

23rd Annual Conference of the International Society of Exposure Science 2013

Environment and Health – Bridging South, North, East and West

Joint Conference with ISEE and ISIAQ

**Basel, Switzerland
19-23 August 2013**

Volume 1 of 2

ISBN: 978-1-63439-586-1

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Red Hook, NY 12571



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Conference Program

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1= Tue 2= Wed 3= Thu 4= Fri

WS=Workshops T=Tutorial F=Full Plenary S=Symposia O=Oral P=Poster

Tuesday, August 20

TUESDAY

08:00–17:00 **SPEAKER READY ROOM**

07:00–17:30 **REGISTRATION**

10:00–10:30 **COFFEE BREAK**

12:00–13:00 **LUNCH**

15:30–16:00 **COFFEE BREAK**

07:15–08:30 **ISSE COUNCIL MEETING** Hong Kong

07:45–08:30 T-1-01 **CV/CAREER PLANNING** Boston
Lecturers: Andrea Ferro, Barbara Hoffmann

07:45–08:30 T-1-02 **EPIGENETICS AND ENVIRONMENTAL EPIDEMIOLOGY: A STEP BY STEP TUTORIAL TO DESIGN AND CONDUCT AN EPIGENETIC STUDY** Shanghai
Lecturer: Andrea A Baccarelli

07:45–08:30 T-1-03 **THE CONCEPTUAL FRAMEWORK AND APPLICATION OF RECEPTOR MODELS** Kairo
Lecturer: Philip K. Hopke

07:45–08:30 T-1-04 **TRANSLATING (RESEARCH) EVIDENCE INTO POLICY: THE CASE OF HEALTH SYSTEMS INTERVENTIONS** Delhi
Lecturer: Xavier Bosch-Capblanch

08:45–10:00 F-1-05 **OPENING PLENARY SESSION HOSTED BY SWISS TROPICAL AND PUBLIC HEALTH INSTITUTE (SWISS TPH)** San Francisco
The Global Burden of Disease: A Critical Environmental Perspective (more details on p. 22)
Chair: Nino Kuenzli

- F-1-05-01 Introduction from the chair
*Nino Kuenzli**
- F-1-05-02 Welcome video note from the government of Basel
*Dr. Carlo Conti**
- F-1-05-03 Green conference
*Martina S. Ragettli**
- F-1-05-04 Scientific Opening
*Martin Rösli**
- F-1-05-05 The global risk factor transition: GBD successes and challenges
*Majid Majid Ezzati**
- F-1-05-06 A critical view of GBD 2010: What is missing and what next?
*Nicole Probst-Hensch**

10:30–12:00 S-1-06 **DEBATE: DDT – POISON OR LIFE SAVER?** San Francisco
Chair(s): Brenda Eskenazi

- S-1-06-01 DDT: Poison or Life Saver: Debater 2
*Lynn R. Goldman**
- S-1-06-02 DDT: Poison or Life Saver: Presentation
*Riana Bornman**
- S-1-06-02 DDT: Poison or Life Saver: Debater 1
*Christian Lengeler**

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10:30–12:00	O-1-07	TIME SERIES STUDIES OF HEAT AND COLD RELATED MORTALITY Chair(s): Antonella Zanobetti, Peng Bi	Montreal
	O-1-07-01	Attributing extreme temperature-related mortality to climate change in Sweden <i>Daniel Oudin Åström*, Bertil Forsberg, Kristie Ebi, Joacim Rocklöv</i>	
	O-1-07-02	Time-varying high temperature effects on mortality for 15 cities in East Asia <i>Yeonseung Chung*, Youn-Hee Lim, Yasushi Honda, Yue-Liang Guo, Masahiro Hashizume, Bing-Yu Chen, Ho Kim</i>	
	O-1-07-03	The impact of heatwaves on mortality in Australia: a multi-city study <i>Shilu Tong*, Xiaoyu Wang, Weiwei Yu, Dong Chen, Xiaoming Wang</i>	
	O-1-07-04	Temporal variations in the association between cold and mortality in 8 European cities. Results from the PHASE project <i>Francesca de Donato*, Michela Leone, Antonis Analitis, Timo Lanki, Christofer Åström, Ferran Ballester, Xavier Basagaña, Anna Páldy, Damia Noce, Paola Michelozzi</i>	
	O-1-07-05	The Effect of Heat Stress on Daily Mortality in Different Age and Ethnic Population Groups in the Beersheba Region, Israel <i>Michael Friger*, Annibale Biggeri, Arkady Bolotin, L. Tzivian, Michela Baccini</i>	
	O-1-07-06	Association between Daily Temperature Variability and Short-term Mortality in 6 Taiwan Major Cities <i>Wen-Chi Pan*, Mu-Jean Chen, Huey-Jen Su</i>	
10:30–12:00	S-1-08	ULTRAFINE PARTICLES – IMPORTANCE OF INDOOR SOURCES, EXPOSURE AND POTENTIAL HEALTH EFFECTS Chair(s): Gabriel Bekö, John Spengler	Sydney
	S-1-08-01	Characteristics of particles from indoor sources <i>Aneta Wierzbicka*</i>	
	S-1-08-02	Counterfactual behaviour of ultrafine particles in infiltration and lung deposition processes <i>Otto Hänninen*, Pasi Lipponen, Riikka Sorjamaa</i>	
	S-1-08-03	Health effects related to indoor ultrafine particles <i>Steffen Loft*, Dorina Gabriela Karotki, Michal Spilak, Marie Frederiksen, Barbara Kolarik, Elvira V. Bräuner, Torben Sigsgaard, Lars Bo Gunnarsen, Peter Møller</i>	
	S-1-08-04	Indoor generated ultrafine particles in Hong Kong homes <i>Man Pun Wan*, Christopher Chao, Chili Wu</i>	
	S-1-08-05	Short term effects of ultrafine particles during commuting <i>Gerard Hoek*</i>	
10:30–12:00	O-1-09	ORGANIC POLLUTANTS AND NEURODEVELOPMENT Chair(s): Rhena Delpert, Riana Bornman	Singapore
	O-1-09-01	Gestational endocrine disrupting chemical exposure and autistic behaviors in 4 to 5 year old children from Cincinnati OH <i>Joseph Braun*, Amy Kalkbrenner, Allan C. Just, Kimberly Yolton, Antonia M. Calafat, Andreas Sjodin, Russ Hauser, Glenys Webster, Aimin Chen, Bruce Lanphear</i>	
	O-1-09-02	Cognitive Deficits and Behavior Problems in Children with Prenatal PBDE Exposure <i>Aimin Chen*, Kimberly Yolton, Stephen Rauch, Glenys Webster, Richard Hornung, Andreas Sjodin, Kim Dietrich, Bruce Lanphear</i>	
	O-1-09-03	Exposure to PVC-flooring in early life and associations with intellectual skills 10 years later <i>Malin Larsson*, Huan Shu, Cecilia Boman Lindström, Carl-Gustaf Bornehag</i>	
	O-1-09-04	Interaction of DDT/E and PBDE in their association with cognition and behavior in 7-year old CHAMACOS children <i>Jonathan Chevrier*, Robert B. Gunier, Kim Harley, Asa Bradman, Andreas Sjodin, Dana Boyd-Barr, Brenda Eskenazi</i>	
	O-1-09-05	DDE and PCB serum concentration in maternal blood and their adult female offspring <i>Wilfried Karmaus*, Wei-Wen Hsu, Janet Rose Osuch, David Todem, Bonita Taffe, Michael O'Keefe</i>	
	O-1-09-06	Prenatal, but not Postnatal, Exposure to Polychlorinated Biphenyls (PCBs) is associated with ADHD-Related Behaviors in 8-Year-Old Children <i>Marc-Andre Verner*, Jaime E. Hart, Sharon K. Sagiv, David C. Bellinger, Larisa M. Altshul, Susan A. Korrick</i>	

TUESDAY

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10:30–12:00	O-1-10	NOVEL DIRECTIONS IN EXPOSURE ASSESSMENT Chair(s): Joel Kaufman, Yi Wang	Osaka / Samarkand
	O-1-10-01	Smartphone-based Assessment of Food Environment Exposures and Dietary Intake <i>Jenna Hua*, Lemuel Wu, Puiyin Wong, Victor Shia, Aaron Bestick, Sue Eom, Yan Li, May Wang, Edmund Seto</i>	
	O-1-10-02	ASSESSING EXPOSURES TO PERSISTENT ORGANIC POLLUTANTS IN A GROUP OF CALIFORNIA FIREFIGHTERS <i>June Soo Park, Robert Voss, Sandy McNeel, Yunzhu Wang, Tan Guo, Rupali Das, Leslie Israel, Myrto Petreas*</i>	
	O-1-10-03	Evaluation of Tier 1 Exposure Assessment Models: Conceptual evaluation and uncertainty analyses <i>Susanne Hesse*, Katrin Schröder, Stefan Hahn, Inge Mangelsdorf, Judith Lamb, Martie van Tongeren</i>	
	O-1-10-04	Data-driven flexible modelling approach for the personal exposure to particle number concentration <i>Veronika Fensterer*, Helmut Küchenhoff, Verena Maier, Mike Pitz, Josef Cyrus, Susanne Breitner, Alexandra Schneider, Uta Gerschkat, Annette Peters</i>	
	O-1-10-05	A Holistic Approach to Microenvironmental Exposure Assessment: Home, Work, and Commute Personal Exposures to Particulate Air Pollution <i>Kirsten A. Koehler*, Nicholas Good, Brianna Moore, Christian L'Orange, Maggie L. Clark, Ashleigh Kayne, Amy Stuart, Jennifer L. Peel, John Volckens</i>	
	O-1-10-06	Translating exposure determinants between exposure models. Is it consistent? <i>Robin Riedmann*, David Vernez, Bojan Gasic</i>	
10:30–12:00	O-1-11	ENVIRONMENT AND HEALTH includes ethics talk (e*) Chair(s): Jacqueline van Engelen, Wayne Ott	Boston
	O-1-11-01	Evaluation of the influence of a combined low-dust carpet and air filtration intervention on the indoor air quality in a primary school <i>Paul T.J. Scheepers*, Jeroen J. de Hartog, Judith Reijnders, Gwendolyn Beckmann, Rob B.M. Anzion, Lode Godderis, Katrien Poels</i>	
	O-1-11-02	Assessing the Air Quality Health Benefits of Location-Specific Emission Controls: A Source Attribution Study using Adjoint Sensitivity Analysis <i>Amanda Pappin, Amir Hakami*</i>	
	O-1-11-03	Sensitivity of Global PM _{2.5} -related Premature Mortality To Local Emissions <i>Lee Colin*, Randall V. Martin, Daven Henze, Richard T. Burnett, Aaron J. Cohen, Aaron van Donkelaar, Christopher Murray, Rafael Lozano, Haidong Wang</i>	
	O-1-11-04	Assessment of Environmental Health problems in Korea Using Integrated Environmental Health Indicators <i>Seulkee Heo*, Kyong-Whan Moon, Jong-Tae Lee</i>	
	O-1-11-05	A study of the relationship between socioeconomic status and synthetic environmental indices <i>Giehae Choi*</i>	
	O-1-11-06	Ethical dimensions of linking science and policy through impact assessment (e*) <i>Colin Soskolne*</i>	
10:30–12:00	O-1-12	WORLDWIDE WATER SECURITY: BACTERIA, PARASITES, CHEMICALS EVERYWHERE!! includes ethics talk (e*) Chair(s): Katherine James, Mary Ward	Shanghai
	O-1-12-01	New Perspectives for the Control Of Mosquito Larvae Using Chlorophyll Derivates As Photosensitizers <i>Gilmar Sidney Erzinger*, Donat Peter Häder, Peter Richter, Suellen Carolina Souza, Stephanie Wohlleben</i>	
	O-1-12-02	Mapping and predicting waterborne diseases in Nouakchott (Mauritania): improving public health interventions by using integrated geospatial models <i>Ibrahima Sy*, Doulo Traoré, Michael Epprecht, Moussa Keita, Jürg Utzinger, Peter Odermat, Baidy Lè, Bassirou Bonfoh, Guéladio Cissé, Marcel Tanner</i>	
	O-1-12-03	Concentration and exposure profiles of polycyclic aromatic hydrocarbons (PAHs) in groundwater of commercial site at a terai belt of India <i>Amit Masih*, Jitendra Lal</i>	

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	O-1-12-04	Serum Concentrations of Polyfluoroalkyl Compounds in Young Girls and Duration of Being Breast Fed <i>Susan M. Pinney*, Frank M. Biro, Gayle Windham, Robert L. Herrick, Antonia M. Calafat, Paul Succop, Kayoko Kato, Lawrence H Kushi, Robert Bormschein</i>	
	O-1-12-05	Does Precipitation or Flood Trigger Leptospirosis Outbreak? A Case-Crossover study in Taiwan, 2007-2011 <i>Mu-Jean Chen*, Chao-Yu Guo, Kuo-Chang Hung, Huey-Jen Su</i>	
	O-1-12-06	DAM CONSTRUCTIONS AND IRRIGATION PROJECTS FOR FOOD PRODUCTION IN NIGERIA: THEIR PUBLIC HEALTH AND ENVIRONMENTAL CONSEQUENCES (e*) <i>Okolie Ugochukwu*</i>	
10:30–12:00	S-1-13	ENVIRONMENTAL AND GENETIC IMPACT ON THE DEVELOPMENT OF ALLERGIC DISEASES Chair(s): I-Jen Wang, Mei-Lien Chen	Kairo
	S-1-13-01	Environmental exposures and the development of childhood allergic diseases <i>I-Jen Wang*, Shoei-Loong Lin</i>	
	S-1-13-02	Gender Differences of Long-Term Exposure to Fine Particle and Ozone in Lung Function Growth. <i>Bing-Fang Hwang*, Ya-Hui Chen, Yung-Ting Lin, Xiao-Tang Wu, Yungling Lee</i>	
	S-1-13-03	Early life exposure for endocrine disrupting chemicals and the risk for asthma and allergy in children <i>Carl-Gustaf Bornehag*</i>	
	S-1-13-04	Epigenetic modification of atopic disorders after phthalate exposure <i>I-Jen Wang*</i>	
	S-1-13-05	Maternal smoking during gestation, differential DNA methylation, and changes in lung function at age 18 years <i>Wilfried Karmaus*, Hongmei Zhang, John W Holloway, Hasan S Arshad, Susan Ewart</i>	
10:30–12:00	O-1-14	NEW ASPECTS OF AIR POLLUTANT MEASUREMENTS Chair(s): Shih-Chun Candice Lung, Teresa Moreno	Delhi
	O-1-14-01	Oxidative potential of particulate matter collected at sites that differ in local emission sources <i>Nicole Janssen*, Aileen Yang, Maciej Strak, Maaik Steenhof, Bryan Hellack, Thomas A. J. Kuhlbusch, Frank Kelly, Roy Harrison, Gerard Hoek, Flemming Cassee</i>	
	O-1-14-02	Outdoor Air Pollution and Systemic Inflammation (C-reactive protein) in Diabetes patients <i>Morteza Khafaie*, Sundeep S. Salvi, Ajay Ojha, Behzad Khafaie, Sharad S. Gore, Chittaranjan S. Yajnik</i>	
	O-1-14-03	Measurements of formaldehyde emissions in indoor environments using a colorimetric Passive Flux Sampler <i>Guillaume Poulhet*, Sébastien Dusanter, Sabine Crunaire, Philippe Karpe, Yves Bigay, Pascal Kaluzny, Nadine Locoge, Patrice Coddeville</i>	
	O-1-14-04	Reliability of reflectance measures in ozone passive filters <i>Carmen Diva André*, Paulo Afonso André, Paulo Hilário Saldiva, Francisco Rocha, Julio Singer</i>	
	O-1-14-05	Illicit psychotropic substances in schools, houses and offices of Rome, Italy. <i>Balducci Catia*, Romagnoli Paola, Perilli Mattia, Cecinato Angelo</i>	
	O-1-14-06	The impact of diesel trains and inland ships on measured ultrafine particle and black carbon concentrations along railways and waterways <i>Moniek Zuurbier*, Bernard Groot, Anouk Besselink, Lex Groenewold, Manon Vaal, Gerard Hoek, Nicole Janssen, Saskia van der Zee</i>	
10:30–12:00	S-1-15	ASSESSING EXPOSURE TO CHEMICALS AND OTHER POLLUTANTS VIA HOUSE DUST Chair(s): Natalie von Götz, André Conrad	Helvetia 1
	S-1-15-01	Ashes to ashes, dust to dust – how airborne particles affect the fate of SVOCs in the indoor environment <i>John C. Little*</i>	
	S-1-15-02	Exposure to Flame Retardants via Dust <i>Thomas Webster*</i>	
	S-1-15-03	French children's exposure to pollutants via ingestion of indoor dust <i>Philippe Glorennec*</i>	

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S-1-15-04	Modeling the contribution of the house dust pathway to consumer exposure <i>Christiaan Delmaar*, Martine Bakker, Natalie von Götz, Andreas Gerecke</i>	
S-1-15-05	Physical-chemical properties governing the distribution of organic compounds in indoor environments <i>Charles Weschler*</i>	
S-1-15-06	Re-evaluation of house dust intake rates <i>Gerhard Heinemeyer*, Stefanie Klenow, Astrid Heiland, André Conrad, Dirk Wintermeyer</i>	
10:30–12:00	O-1-16 REPRODUCTIVE HEALTH Chair(s): Anna Jeng, Halina Rollin	Helvetia 2
O-1-16-01	Effects of high and low temperature and air pollution on the risk of preterm births. A cohort study, Rome 2001-2010 <i>Patrizia Schifano*, Adele Lallo, Federica Asta, Manuela DeSario, Paola Michelozzi</i>	
O-1-16-02	Mediator Role of Air Pollution, Heat, and Noise on the Association Between Maternal Residential Proximity to Major Roads and Term Low Birth Weight <i>Payam Dadvand*, Bart Ostro, Francesc Figueras, Maria Foraster, Xavier Basagaña, David Martínez, Rob Beelen, Marta Cirach, Gerard Hoek, Bert Brunekreef, Mark J Nieuwenhuijsen</i>	
O-1-16-03	Adverse birth outcomes associated with selected maternal occupations in 12 European birth cohorts – a CHICOS initiative <i>Maribel Casas*, Sylvaine Cordier, David Martínez, Nathalie Costet, Joelle Fevotte, Manolis Kogevinas, Mark J Nieuwenhuijsen, Martine Vrijheid</i>	
O-1-16-04	Handling Toxic Drugs Associated with the Risk of Birth Defects in Offspring of female veterinarians <i>Adeleh Shirangi*, Carol Bower, D'Arcy Holman, David Preen, Neville Bruce</i>	
O-1-16-05	Decline of sperm quality in France between 1989 and 2005 <i>Joëlle Le Moal, Matthieu Rolland, Véréne Wagner, Dominique Royère, Jacques De Mouzon, Annabel Rigou*</i>	
O-1-16-06	Environmental phthalate exposure is associated with increased odds of preterm birth <i>Kelly K. Ferguson*, Thomas McElrath, John D. Meeker</i>	
10:30–12:00	O-1-17 ARSENIC POISONING – A GLOBAL PERSPECTIVE Chair(s): Maor Yehoshua, Margaret Karagas	Helvetia 3-5
O-1-17-01	Arsenic Exposure and Cancer Mortality in a US-based Prospective Cohort: the Strong Heart Study <i>Esther Garcia-Esquinas*, Marina Pollán, Jason G. Umans, Kevin A. Francesconi, Walter Goessler, Eliseo Guallar, Barbara V. Howard, Jeunliang Yeh, Lyle Best, Ana Navas-Acien</i>	
O-1-17-02	Urinary metabolic biomarkers link induced oxidative stress from general arsenic exposure to male infertility in a Han Chinese Population <i>Shen Heqing*, Weipen Xu, Jie Zhang, Yankai Xia</i>	
O-1-17-03	Arsenic methylation efficiency and anthropometric characteristics of Mexican women. <i>Monica Sianez*, Raul U. Hernandez-Ramirez, Claudio Luz, Mariano E. Cebrian, Lizbeth Lopez-Carrillo</i>	
O-1-17-04	ARSENIC IN DRINKING WATER AND PREVALENCE OF HYPERTENSION AMONG CASES OF TYPE 2 DIABETES – DATA FROM ZRENJANIN MUNICIPALITY, SERBIA <i>Dragana Jovanovic*, Katarina Paunovic, Zorica Rasic-Milutinovic, Branko Jakovljevic, Gordana PerunicicPekovic, Dragana Manojlovic, Biljana Dojcinovic</i>	
O-1-17-05	Public health emergency due to arsenic in drinking water: long-term health effects among exposed populations in Central Italy <i>Daniela D'Ippoliti, Enrica Santelli, Marina Davoli, Paola Michelozzi*</i>	
O-1-17-06	Arsenic exposure and hyperuricemia in US adults <i>Chin-Chi Kuo, Virginia M. Weaver, Jeffrey J. Fadrowski, Eliseo Guallar, Ana Navas-Acien*</i>	
12:00–13:30	ETHICS AND PHILOSOPHY COMMITTEE MEETING	Hong Kong
12:20–13:50	JOINT WORKSHOP OF ASIAN SOCIETIES Chair(s): Huey-Jen Su, Carl-Gustaf Bornehag	Rio
12:30–14:00	ISEE NEW MEMBERS WELCOME RECEPTION	Hall 4.1

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13:00–14:00	P-1	POSTER VIEWING I	HALL 4.1
	01	AIR POLLUTION MEASUREMENTS	
	P-1-01-01	A New Real-Time Technique for Complex-mixture of Volatile Organic Compounds Monitoring <i>Hao-Yu Lu*, Shih-Wei Tsai, Shih-An Tsai, Chien-Lin Huang, Shih-Chi Chu, Chia-Sheng Cheng, Tsung-Kuan A Chou, Li-Peng Wang</i>	
	P-1-01-02	Adopting Black Carbon/Elemental Carbon as a Tool in Mobility Planning: the General Urban Traffic Plan of the City of Milan, Italy <i>Marco Bedogni, Silvia Moroni, Bruno Villavecchia, Luca Percich, Ario Alberto Ruprecht*, Constantinos Sioutas</i>	
	P-1-01-03	Air ion variation during morning period (06:00-08:00 hours) at rural station Ramanandnagar (17° 4' N 74° 25' E) India <i>Subhash Pawar*</i>	
	P-1-01-04	Air pollution and Biological exposure near Large Integrated Steelwork <i>Geun-Bae Kim*, Yong-Sung Cho, Tack-Shin Kang, Kyung Chul Yang, Hye Jeong Jo</i>	
	P-1-01-05	Airborne particulate matter in school classrooms of Northern Italy <i>Sabrina Rovelli, Andrea Cattaneo*, Camilla Paola Nuzzi, Andrea Spinazzè, Silvia Piazza, Anna Clara Fanetti, Paolo Carrer, Domenico Maria Cavallo</i>	
	P-1-01-06	ANALYSIS OF HEALTH RISK OF EXPOSITION TO FOOD FIRING PROCESS POLLUTANTS <i>Alfésio Braga, Elizabete Costa, Lourdes Martins, Luiz Pereira*</i>	
	P-1-01-07	Annoyance due to wood smoke in communities where domestic wood burning is common <i>Pernilla Almerud*, Peter Molnar, Lars Barregård, Gerd Sallsten</i>	
	P-1-01-08	Application of distributed sensor networks for estimating exposures to air pollution in urban areas <i>Judah Shashank, Ilan Levy, Barak Fishbain, David M. Broday*</i>	
	P-1-01-09	Aspects of exposure measurement error in epidemiologic cohort analyses using the Libby amphibole asbestos worker cohort. Influence of changes in exposure assess <i>Thomas Bateson*, Leonid Kopylev</i>	
	P-1-01-10	Assessing Personal Exposure to Ultrafine Particles: A Field Test with Asthmatic Children <i>Patrick Ryan*, Chris Wolfe, Grace LeMasters, James Lockey, Sang Young Son</i>	
	P-1-01-11	Black Carbon as a new air quality and health indicator of traffic limitation interventions in Milan: the 'Area C' LEZ monitoring campaign <i>Silvia Moroni, Ario Alberto Ruprecht*, Giuseppina Tosti, Bruno Villavecchia, Grisa Mocnik, Constantinos Sioutas, Dane Westerdahl</i>	
	P-1-01-12	Black Carbon, Trace Elements and Particulate Matter levels in the ambient air of the Jomo Kenyatta International Airport-Nairobi <i>Michael J. Gatari Gichuru*, Vincent Kivaya, Johan Boman, David M. Maina, Annemarie Wagner</i>	
	P-1-01-13	CFD Analysis about Influence of Human Movements on Diffusion of Indoor Air Pollutants <i>Shi Chen*, Shinsuke Kato, Yoonkyung Kang, Keisuke Nakao</i>	
	P-1-01-14	Comparison of 24-hour vs. Inversion-Period Integrated Samples of PM _{2.5} and Elemental Carbon in Pittsburgh, PA, USA <i>Brett Tunno*, Leah Cambal, Courtney Roper, Sheila Tripathy, Drew Michanowicz, Jessie Carr, Jeffrey Howell, Sara Gillooly, John Gorczynski, Holger Eisl, Jane Clougherty</i>	
	P-1-01-15	Comparisons of air pollution levels measured on streets and fixed-site air monitoring stations <i>Chia-Pin Chio*, Chang-Fu Wu, Chang-Chung Chan</i>	
	P-1-01-16	Concentrations of NO ₂ and NO _x across the Perth metropolitan area, Western Australia <i>Jane Heyworth*, Anna-Lena Arnold, Andrea Hinwood</i>	
	P-1-01-17	Contribution of different sources to community pollution levels in Taiwan <i>Shih-Chun Candice Lung*, Pao-Kuei Hsiao, Chun-Hu Liu, Chi Betsy Fu, Tzu-Yao Wen, Yu-Ting Cheng</i>	
	P-1-01-18	Contribution to PM _{2.5} from domestic wood burning in a small community in Sweden <i>Gerd Sallsten*, Peter Molnar</i>	

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- P-1-01-19 Description of Industries sources to environmental exposure to benzene in children from Ecatepec, county in Mexico
Héctor Saúl López Campos, Leticia Hernandez Cadena, Betzabet Quintanilla Vega, Isabel Alvarado Cruz, Marco Antonio Sanchez Guerra, José Luis Texcalac Sangrador, Alan Castillo Ferraez, Andrea De Vizcaya Ruiz*
- P-1-01-20 Development and Validation of a Magnetic Method Using Deciduous Tree Leaves to Obtain Spatially Resolved Air Pollution Measurements in Pittsburgh, PA, USA
Gillooly Sara, Leah Cambal, Joshua Feinberg, Mike Jackson, Jessie Carr, Drew Michanowicz, Brett Tunno, Jane Clougherty, Kyra Shields*
- P-1-01-21 Emission Characteristics of Particulate Matters and VOCs in Cow Dung Combustion
Duck Shin Park, Hee Man Kim, Gwangjae Lee, Mona Loraine Barabad, Youngmin Cho, Sangwon Ko, Kiyoun Lee*
- P-1-01-22 Exposure Assessment and Spatial Variation of PM_{2.5} and Elemental Carbon in Downtown Pittsburgh, PA, USA
Brett Tunno, Leah Cambal, Jessie Carr, Courtney Roper, Sheila Tripathy, Lauren Chubb, Drew Michanowicz, Jeffrey Howell, Sara Gillooly, John Gorczynski, Jane Clougherty*
- P-1-01-23 Exposure to Manganese in Children: A Pilot Study in a City of Western Mexico.
Claudia Limón, Arturo Curiel Ballesteros*
- P-1-01-24 Indoor air germicide feasibility of silver doped TiO₂/glass fiber photocatalyst under visible irradiation
Byeong-Kyu Lee, Lee Byeong-Kyu*
- P-1-01-25 Measurement of soluble and insoluble hexavalent chromium in ambient particulate matter
Lihui Huang, Zhihua (Tina) Fan, Chang Ho Yu, Linda Bonanno, Jin Young Shin*
- P-1-01-26 Mobile monitoring of traffic-related ultrafine particles in near-highway neighborhoods in Boston, Massachusetts (USA)
Allison P Patton, Luz T Padró-Martínez, Jessica Perkins, Alex Bob, Wig Zamore, Doug Brugge, John L Durant*
- P-1-01-27 Monte-Carlo Analysis to Select Appropriate Mobile Monitoring Strategies for Characterizing Near-Highway Air Pollution in Urban Neighborhoods
Allison P Patton, John L Durant, Elena N Naumova*
- P-1-01-28 Particulate Matter Monitoring in Urban Africa: A review
Elisaveta Petkova, Darby Jack, Nicole Volavka-Close, Patrick Kinney*
- P-1-01-29 Personal exposure to particulate matter in different microenvironments – results from a pilot study
Susanne Steinle, Stefan Reis, Clive Sabel*
- P-1-01-30 Pre-school children exposure to particulate-bound polycyclic aromatic hydrocarbons: levels and health risks
Klara Slezakova, Marta Oliveira, Cristina Delerue-Matos, Maria do Carmo Pereira, Simone Morais*
- P-1-01-31 Relationships between roadside and setback air quality at two nearby suburbs bisected by major motorways
Woodrow Pattinson, Peyman Zavar-Reza, Ian Longley, Simon Kingham*
- P-1-01-32 Seasonal trends of Fine Particulate and Polycyclic Aromatic Hydrocarbons in indoor and outdoor environment at two sites in the Northern central part of India
Jamson Masih, Ajay Taneja*
- P-1-01-33 Spatial variation of ground level ozone and the relation between ozone and NO₂/NO_x in two Swedish cities
Annika Hagenbjörk-Gustafsson, Kristoffer Mattisson, Ebba Malmqvist, Emilie Stroh, Lars Rylander, Håkan Tinnerberg, Bertil Forsberg, Lars Modig*
- P-1-01-34 Spatial Variation of Ragweed Pollen Across New York City
Kate Weinberger, Guy Robinson, Patrick Kinney*
- P-1-01-35 Study of Biological Characteristics in Wood Processing Workplace
Chane-Yu Lai, Kai-Ling Huang, Shin-Ran Wun, Ya-Hui Lin, Po-Chen Hung*
- P-1-01-36 Study of PM₁₀ and PM_{2.5} indoor levels and chemical components in waiting room of bus terminal in Korea
Sooran Won, In-Keun Shim, Wooseok Lee, Jinseob Kim*

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- P-1-01-37 Temporal and spatial variations in ambient air quality during 1996-2009 in Bangkok, Thailand
Pornpun Watcharavitoon, Chan Chang-Chuan, Chio Chia-Pin, Chan Chang-Chuan*
- P-1-01-38 The advantages of the data management and cartography on a monitoring in a National Priority Site
Sergio Bellagamba, Federica Paglietti, Beatrice Conestabile della Staffa*
- P-1-01-39 TOXICITY EQUIVALENCE FACTOR AND PARTICULATE-BOUND PAHS IN THE INDOOR AND OUTDOOR AIR IN THE KINDERGARTEN IN BELGRADE (SERBIA)
Milena Jovašević-Stojanovic, Anka Cvetkovic, Snežana Matic-Besarabic, Viša Tasic, Marija Živkovic*
- P-1-01-40 Tracking air toxics at residential areas near a petrochemical complex by new real-time miniature VOC sensors
Ruei-Hao Shie, Tzu-Hsuen Yuan, Tsung-Kuan A Chou, Li-Peng Wang, Chang-Chung Chan*

04 AIR POLLUTION EXPOSURE ASSESSMENT

- P-1-04-01 A comparison between monitoring and dispersion modeling approaches to assess the impact of aviation on concentrations of black carbon and nitrogen oxides at LAX
Stefani Penn, Saravanan Arunachalam, Neil Davis, Kevin Talgo, Darcy Zarubiak, Jonathan Levy*
- P-1-04-02 A Land Use Regression model for predicting concentrations of benzene and 1,3-butadiene accounting for small scale biofuel burning
Lars Modig, Annika Hagenbjörk-Gustafsson, Magnus Strömberg, David Olsson, Lennart Jonsson, Pernilla Almerud, Bertil Forsberg*
- P-1-04-03 A new approach for maintaining anonymity and enhancing robustness of model-based personal exposure estimates
Stuart Batterman, Rajiv Ganguly, Vlad Isakov, Michelle Snyder, Thomas Robins, Toby Lewis, Paul Harbin*
- P-1-04-04 An application of satellite-based surface air quality estimates to evaluate city-to-city variation in short-term effects of PM_{2.5} on morbidity and mortality
Kazuhiko Ito, Randall V. Martin, Aaron van Donkelaar, Shailesh Kharol, Jeffrey Brook*
- P-1-04-05 Applying Multi-scale Air Quality Models to Support Epidemiologic Studies
Michelle Snyder, Saravanan Arunachalam, Vlad Isakov, David Heist, Janet Burke, Sarah Bereznicki, Kathie Dionisio, Stuart Batterman, Paul Harbin*
- P-1-04-06 Assessing exposure to ambient air pollution at the urban temporal scale by analysis of image color and effective bandwidth
Yael Etzion, David M. Broday, Barak Fishbain*
- P-1-04-07 Children Exposure to Size Segregated Particulate Matter in Naturally Ventilated School Buildings
Chithra V S, S M Shiva Nagendra*
- P-1-04-08 Daily Activity Patterns and Time Spent for Exposure Assessment:
Jin Ki Eom, Duck Shin Park, Keun Yul Yang, Kiyoun Lee, Ki Chul Cho*
- P-1-04-09 Daily kriging to estimate large scale location specific PM₁₀ – comparisons of measurement error options
Duanping Liao, Eric Eric Whitsel, Gregory A. Wellenius, Richard Smith, Adam Szpiro, Brent A. Coull, Jeff Yanosky*
- P-1-04-10 Developing intra-urban land use regression air pollution models with enhanced geographical variables
Robert Tang, John Gulliver, Marta Blangiardo*
- P-1-04-11 Effectiveness of a fixed-site CPC in capturing representative PNC levels across an epidemiological study area
Matthew Simon, Alex Bob, Allison P Patton, Doug Brugge, John L Durant*
- P-1-04-12 Evaluation of the CALIOPE air quality forecasting system for epidemiological research: the example of NO₂ in the province of Girona (Spain)
Inmaculada Aguilera, Xavier Basagaña, María Teresa Pay, David Agis, Laura Bouso, Maria Foraster, Marcela Rivera, José María Baldasano, Nino Kuenzli*
- P-1-04-13 Exposure to benzene, toluene, xylenes and naphthalene in the general population of Gothenburg
Sandra Johannesson, Magnus Akerstrom, Kerstin Bergemalm-Rynell, Bo Strandberg, Gerd Sallsten*

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- P-1-04-14 Frequency, duration and concentration of intermittent exposures to ambient air pollutants at elevated levels
*Yuli Huang**
- P-1-04-15 Implementation and Validation of a Modeling Framework to Assess Personal Exposure to Black Carbon
Evi Dons, Martine Van Poppel, Bruno Kochan, Geert Wets, Luc Int Panis*
- P-1-04-16 Measurement error in epidemiologic studies of air pollution based on land use regression models
Xavier Basagaña, Inmaculada Aguilera, Marcela Rivera, David Agis, Maria Foraster, Jaume Marrugat, Roberto Elosua, Nino Kuenzli*
- P-1-04-17 Methods to harmonise air pollution and noise assessment in EU Biobanks
Kees de Hoogh, Yutong Cai, Susan Hodgson, Marta Blangiardo, John Gulliver, Anna Hansell, Paul Elliott*
- P-1-04-18 PAH indoor-to-outdoor relationship and exposure levels in Rome
Pasi Lipponen, Otto Hänninen, Riikka Sorjamaa, Monica Gherardi, Maria Pia Gatto, Andrea Gordiani, Angelo Cecinato, Paola Romagnoli, Claudio Gariazzo*
- P-1-04-19 Personal exposure to ambient and indoor ozone: the effect of different commuting modes in Athens, Greece.
Dikaia Saraga, Krystallia Kalimeri, John Bartzis*
- P-1-04-20 PM components and sources across Mediterranean countries: Results from the Med-Particles project
Angeliki Karanasiou, Xavier Querol, Andrés Alastuey, Cinzia Perrino, Jesus de la Rosa, Giovanna Berti, Begoña Artiñano, Jordi Sunyer, Francesco Forastiere, Massimo Stafoggia, Med-Particles Study Group*
- P-1-04-21 Predicting seasonal and spatial patterns of long-term nitrogen oxides concentration in Tehran, Iran using land use regression
Hassan Amini, Seyed Mahmood Taghavi Shahri, Sarah B. Henderson, Kazem Naddafi, Ramin Nabizadeh, Masud Yunesian*
- P-1-04-22 Rapidly Predicting Ambient Air Concentrations to Volatile Organic Compounds Diffusing from Polymeric Materials in Indoor Storage Facilities
Bonnie Gaborek, Debbie Lander*
- P-1-04-23 SPATIAL DISTRIBUTION AND MODELING OF ULTRAFINE PARTICLE NUMBER CONCENTRATION IN A SWISS URBAN CITY
Regina E. Ducret-Stich, Elisabetta Corradi, Maria Foraster, Xavier Morelli, Inmaculada Aguilera, Xavier Basagaña, Marcela Rivera, Rémy Slama, Nino Kuenzli, Harish C. Phuleria*
- P-1-04-24 Strategic Air Quality Monitoring Near Open Cut Coal Mines, Hunter Valley, Australia
*Craig Dalton**
- P-1-04-25 TRENDS IN RISK FACTORS AND HEALTH STATUS OF EKATERINBURG PRESCHOOL CHILDREN IN 2001-2011: FINDING SETS OF RISK FACTORS THAT HAVE MOST NEGATIVE HEALTH EFFECT
Ekaterina Konstantinova, Anatoly Varaksin, Irina Zhovner, Tatiana Maslakova, Konstantin Antropov*
- P-1-04-26 Using emission estimates as exposure matrix: Respiratory Disease in Relation to Outdoor Air Pollution in Kanpur, UP, India
Alena Bartonova, Hai-Ying Liu, Mukesh Sharma, Kamlesh Katiyar, Onkar Dikshit, Martin Schindler, Sailesh Behera*
- P-1-04-27 Vertical Distributions of Particulate Air Pollution and Potentially Exposed Populations near urban Highways: Implications for Exposure Assessment
Chih-Da (John) Wu, Piers MacNaughton, Steven Melley, Kevin Lane, Gary Adamkiewicz, John L Durant, Doug Brugge, John D. Spengler*
- P-1-04-28 Volatile organic compounds in normal human exhaled breath, a long neglected pollutant source
*Xiao Sun**
- P-1-04-29 Mapping ExpoCast onto ToxCast
Daniel Vallero, Peter Egeghy, Timothy Buckley, John Wambaugh, Kristin Isaacs, Michael-Rock Goldsmith, Mark Strynar, Halûk Ozkaynak, Jade Mitchell*

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- P-1-04-30 Chimney stoves modestly improved indoor air quality measurements compared with traditional open fire stoves: results from a small-scale intervention study in ru
Stella Hartinger Pena, Adwoa Commodore, Jan Hattendorf, Claudio Lanata, Ana I Gil, Hector Verastegui, Manuel Aguilar-Villalobos, Daniel Mäusezahl, Luke P Naeher*

05 HEALTH EFFECTS OF AIR POLLUTION

- P-1-05-01 A Study on capacity of building materials to improve indoor air quality in terms of chemical and physical properties
Chi-Chi Lin, Shu-Chen Hsu*
- P-1-05-02 Adverse Birth Outcomes Associated with Exposure to Ambient Air Pollution in Allegheny County, PA, US
Luann Brink, Lynne Marshall, Stacey Benson, Evelyn Talbott*
- P-1-05-03 Air pollution exposures from the 1970s confound associations between PM10 in 2001 and mortality 20012009 in a long-running English cohort
Rebecca Ghosh, Marta Blangiardo, Chloe Morris, Danielle Vienneau, John Gulliver, Kayoung Lee, David J. Briggs, Anna Hansell*
- P-1-05-04 Ambient Air Pollution and Preeclampsia: a Spatiotemporal Analysis
Payam Dadvand, Francesc Figueras, Xavier Basagaña, Rob Beelen, David Martínez, Marta Cirach, Anna Schembari, Gerard Hoek, Bert Brunekreef, Mark J Nieuwenhuijsen*
- P-1-05-05 Ambient Particulate Air Pollution and Circulating Biomarkers in Healthy Adults: the Health Volunteer Natural Relocation Study
*Shaowei Wu, Furong Deng, Hongying Wei, Jing Huang, Hongyi Wang, Masayuki Shima, Xin Wang, Yu Qin, Chanjuan Zheng, Yu Hao, Xinbiao Guo**
- P-1-05-06 Analysis of relationships of indicators of public health and active transport in European cities
Hana Bruhova-Foltynova, Jan Bruha*
- P-1-05-07 Association of organic species with seasonal and spatial variability in redox activity of ultrafine particles in the Los Angeles Basin
*Arian Saffari, Nancy Daher, Flemming Cassee, Martin Shafer, James Schauer, Constantinos Sioutas**
- P-1-05-08 Associations of Ultrafine Particles and Biomarkers of Inflammation, Oxidative Stress, Thrombosis, and Autonomic Dysfunction in Healthy Young Adults
Jicheng Gong, Junfeng Zhang, Tong Zhu, Howard Kipen, Guangfa Wang, Min Hu, Pamela Ohman-Strickland, Shou-En Lu, David Q Rich, Wei Huang, Wanting Lin*
- P-1-05-09 Blue Skies Bluer? Puzzling implications of a possible supra-linear relationship between PM exposure and mortality
Joshua Apte, Andrew Goodkind, Jay Coggins, Julian D. Marshall*
- P-1-05-10 BREATHE Project (Brain Development and Air Pollution ultrafine particles in school children): Research protocol and first results.
Mar Álvarez Pedrerol, Joan Fornés, Jesús Pujol, Xavier Querol, Jordi Sunyer*
- P-1-05-11 Chronic Obstructive Pulmonary Disease in Ulaanbaatar: the Japan and Mongolia international study
Motoyuki Nakao, Fumiko Ono, Hisamitsu Omori, Bandi Solongo, Yoko Ishihara*
- P-1-05-12 Does air pollution impact cardiovascular events during labor and delivery?
Tuija Mannisto, Pauline Mendola, Rajeshwari Sundaram, Kira Leishear, Danping Liu, Seth Sherman, Qi Ying, Enrique Schisterman, S. Katherine Laughon*
- P-1-05-13 Effect of air pollution on prevalence of chronic bronchitis symptoms-a cross-sectional analysis of 5 cohort studies
Yutong Cai, Tamara Schikowski, Anne-Elie Carsin, Andrea Vierkötter, Margaux Sanchez, Francine Kauffmann, Nicole Probst-Hensch, Ursula Krämer, Nino Kuenzli, Anna Hansell*
- P-1-05-14 Effects of sulfur dioxide on respiratory symptoms in child residents of Miyakejima seven years after returning to the island
Satoko Iwasawa, Takeshi Kochi, Tazuru Tsuboi, Makiko Nakano, Takamoto Uemura, Shigeru Tanaka, Kazuyuki Omae*
- P-1-05-15 Empowering citizens to improve quality of life in urban environments; the CITI-SENSE Barcelona case study
Thomas Cole-Hunter, Mark J Nieuwenhuijsen, Elena Turco, Alberto Fernandez, Mark Williams, Alena Bartonova*

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- P-1-05-16 Exposure during short-lived air pollution events is more predictive of airway oxidative stress than mean concentration
Roby Greenwald, Priya Kewada, Fuyuen Yip, Jeremy Sarnat*
- P-1-05-17 FIRST INTERIM REVIEW OF JAPAN ENVIRONMENT AND CHILDREN'S STUDY
Eisaku Toda, Shoji Nakayama, Kiwako Yamamoto, Toshihiro Kawamoto*
- P-1-05-18 Increased macrophage atherogenicity following exposure to ultrafine particles
Lauren Petrick, Mira Rosenblat, Michael Aviram*
- P-1-05-19 Increased urinary 1-hydroxypyrene levels among adults living near a petrochemical complex
Tzu-Hsuen Yuan, Ruei-Hao Shie, Yu-Yen Chin, Chang-Chung Chan*
- P-1-05-20 Long-term air pollution exposure and breast cancer
*Sadegh Niazi Esfyani, Morteza Seifi, Samira Nabavi, Masud Yunesian, Hassan Amini**
- P-1-05-21 Long-term effects on cardiovascular and non-accidental mortality by exposure to NOx in the primary prevention study cohort – preliminary findings
Stockfelt Leo, Peter Molnar, Annika Rosengren, Lars Wilhelmsen, Gerd Sallsten, Lars Barregård*
- P-1-05-22 Long-term exposure to wood smoke and mortality among urban population in the Helsinki Metropolitan Area
Kari Pasanen, Eero Pukkala, Maria Myllynen, Tarja Koskentalo, Raimo O Salonen*
- P-1-05-23 Nonalcoholic Fatty Liver Disease (NAFLD) and Long-Term Ambient Air Pollution Exposure: The Multi-Ethnic Study of Atherosclerosis (MESA)
Michael Young, Matthew Budoff, Temitope Foster, Jingzhong Ding, Joel Kaufman*
- P-1-05-24 Out-of-hospital cardiac arrests and hourly air pollution in Melbourne, Australia
Martine Dennekamp, Muhammad Akram, Michael Abramson, Andrew Tonkin, Malcolm Sim, Karen Smith, Bircan Erbas*
- P-1-05-25 Placental DNA hypomethylation in association with particulate air pollution in early life
Bram Janssen, Lode Godderis, Nicky Pieters, Katrien Poels, Michal Kicinski, Ann Cuypers, Frans Flerens, Joris Penders, Jaco Vangronsveld, Wilfried Gyselaers, Tim S. Nawrot*
- P-1-05-26 PM10 Exposure and Non-accidental Mortality in Asian Populations: A Meta-analysis of Time-series and Case-crossover Studies
Hye Yin Park, Sanghyuk Bae, Yun Chul Hong*
- P-1-05-27 Prenatal Exposure to Air Toxics and Autism in Children
Ondine von Ehrenstein, Hilary Aralis, Jiaheng Qiu, Pei Chen Lee, Beate Ritz*
- P-1-05-28 Prenatal Exposure to Nitrogen Oxides and Birth Weight in Mexican Infants
Jessica Mendoza-Ramirez, Albino Barraza-Villarreal, Octavio Hinojosa de la Garza, Luisa Torres-Sanchez, Leticia Hernandez-Cadena, José Luis Texcalac Sangrador, Marlene Cortez-Lugo, Luz-H Sanín, Isabelle Romieu*
- P-1-05-29 Prenatal exposure to traffic-related pollution and childhood cognition
Maria Harris, Diane R. Gold, Sheryl Rifas-Shiman, Steven Melley, Lenie van Rossem, Petros Koutrakis, Joel D. Schwartz, Brent A. Coull, Antonella Zanobetti, Sharon K. Sagiv, Emily Oken*
- P-1-05-30 Prenatal Polycyclic Aromatic Hydrocarbon (PAH) Exposure, Maternal Hardship and Child IQ at age 7
*Julia Vishnevetsky, Virginia Rauh, Hsin-Wen Chang, Shuang Wang, Julie Herbstman, Deliang Tang, Frederica Perera**
- P-1-05-31 Prevalence of hypertension increases exponentially with proximity to roadways in an adult cardiac catheterization cohort
Ward-Caviness Cavin, Colette Blach, Carol Haynes, Prakash Bhawe, Robert B. Devlin, David Diaz-Sanchez, Svati Shah, Marie Lynn Miranda, William Kraus, Elizabeth Hauser, Lucas M. Neas*
- P-1-05-32 Respiratory disorders and air pollution in children living in the High Risk Area of Milazzo – Valle del Mela (Sicily).
Ana M. Vicedo-Cabrera, Dolores Catelan, Laura Grisotto, Franca Rusconi, Neil Pearce, Fabio Barbone, Annibale Biggeri*
- P-1-05-33 Respiratory Effects of Ozone and Acidic Aerosol for Children in an Urban Community
Qingyu Meng, Robert Laumbach, Pamela Ohman-Strickland*

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- P-1-05-34 Retrospective Exposure Reconstruction: Reverse Models of Asbestos Health Risk Assessment
Eric Rasmuson, Andrey Korchevskiy, Jim Rasmuson*
- P-1-05-35 The Influence of Atmospheric Pollutants on the Length of Human Gestation
Rémy Slama, Lise Giorgis-Allemand, Claire Bernard, Marie Pedersen, Rob Beelen, Mark J Nieuwenhuijsen, Göran Pershagen, Bert Brunekreef, Manolis Kogevinas, ESCAPE Birth Outcomes working group*
- P-1-05-36 Traffic-related air pollution, susceptibility and respiratory symptoms in preschoolers: results from the PARIS birth cohort
Fanny Rancière, Lydia Nikasinovic, Isabelle Momas*
- P-1-05-37 Ultrafine particles induce rapid changes in repolarization in individuals with impaired glucose metabolism
Alexandra Schneider, Susanne Breitner, Regina Hampel, Wojciech Zareba, Josef Cyrys, David Q Rich, Annette Peters*

o6 SOURCE SPECIFIC AND MULTI AIR POLLUTION MODELS

- P-1-06-01 Asian dust and daily mortality in Korea and Japan
Kashima Saori, Takashi Yorifuji, Sanghyuk Bae, Yasushi Honda, Toshihide Tsuda, Hiroyuki Doi, Yun-Chul Hong*
- P-1-06-02 Assessment of Exposure to Traffic-Related Air Pollution in Residential Neighborhood
Oksana Ananyeva, Olena Turos, Arina Petrosian, Liliia Petruk, Liudmyla Mykhina, Tatiana Marmukha*
- P-1-06-04 Blood pressure is associated with same day PNC from a central site monitor for a population most of whom live near a major highway
Mei Chung, Christina Fuller, Kevin Lane, Doug Brugge*
- P-1-06-05 Commuting and air pollution: A multi-pollutant exposure study
Nicholas Good, Maggie L. Clark, Ashleigh Kayne, Kirsten A. Koehler, Christian L'Orange, Brianna Moore, Amy Stuart, Jennifer L. Peel, John Volckens*
- P-1-06-06 Effect of short-term pre-exposure to ambient biological aerosols, anthropogenic pollutants and noise on cardiopulmonary health baseline parameters
Thomas Cole-Hunter, Nadine Kubesch, David Martínez, Marta Cirach, Jordina Belmonte, Audrey de Nazelle, Mark J Nieuwenhuijsen*
- P-1-06-07 Effects of fine particulate matter and its constituents on low birth weight among full-term infants in California
Rupa Basu, Maria Harris, Lillian Sie, Brian Malig, Rachel Broadwin, Rochelle Green*
- P-1-06-08 Exploring Associations between Traffic-Related Air Pollution and Female Breast and Prostate Cancer using a Multi-Site Population-Based Case-Control Study in Can
Perry Hystad, Paul J Villeneuve, Mark Goldberg, Richard T. Burnett, Kenneth C Johnson*
- P-1-06-09 EXPOSURE TO AIR POLLUTION DUE TO ACTIVE TRANSPORTATION: PROBLEM OF RISK / BENEFIT TO HEALTH. SYSTEMATIC REVIEW.
*Magda Cristina Cepeda Gil**
- P-1-06-10 Fine particulate air pollution and its components in association with mortality in Athens, Greece
*Evangelia Samoli, Asimina Stamatelopoulou, Styliani Pateraki, Aikaterini Bougiatioti, Thomas Maggos, Nikolaos Mihalopoulos, Dimosthenis N. Asimakopoulos, Klea Katsouyanni**
- P-1-06-11 Gene Expression Changes in Healthy Volunteers after Exposure to Traffic Related Air Pollution and Physical Activity
Nadine Kubesch, Juan R Gonzales, Mariona Bustamante, Audrey de Nazelle, Mark J Nieuwenhuijsen*
- P-1-06-12 Health Effects of Multi-pollutant Mixtures
Antonella Zanobetti, Elena Austin, Brent A. Coull, Joel D. Schwartz, Petros Koutrakis*
- P-1-06-13 Heterogeneity in coal composition and the implications for the lung cancer risk in XuanWei and FuYuan, China
*George Downward, Hu Wei, Harry Veld, Nathaniel Rothman, Fusheng Wei, Jun Xu, Guoping Wi, David Large, Boris Reiss, Qing Lan, Roel Vermeulen**
- P-1-06-14 Investigating Community Exposure to Traffic-Related Particulate Matter and Noise Pollution in Beijing using Electrical Bicycle
Eunice Lee, Edmund Seto, Li Nan, Hua Zhang, Yiming Zhao*

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- P-1-06-15 Long-term Exposure to Traffic Pollution and Subclinical Atherosclerosis in African Americans: Results from the Jackson Heart Study
Yi Wang, DeMarc Hickson, Annie Gjelsvik, Charles Eaton, Sharon Wyatt, Gregory A. Wellenius*
- P-1-06-16 Mobile Monitoring Approach to Characterize Spatial and Seasonal Variation of Traffic-Related Air Pollutants in an Urban Community
Chang Ho Yu, Zhihua (Tina) Fan, Yingjun (John) Ma, Clarimel Cepeda, Robert Laumbach*
- P-1-06-17 Overview and Evaluation of Alternative Air Quality Exposure Metrics Used in Recent Air Pollution Epidemiological Studies
Halûk Ozkaynak, Kathie Dionisio, Lisa Baxter, Janet Burke, David Q Rich, Stefanie Sarnat, Jeremy Sarnat, Rena Jones*
- P-1-06-18 Quality of life in relation to the traffic pollution indicators NO₂ and NO_x: results from the Swedish GA2LEN Survey
Johan Nilsson Sommar, Alexandra Ek, Roelinde Middelveld, Helén Bertilsson, Anders Bjerg, Linda Ekerljung, Andrei Malinowski, Pär Stjärne, Sven-Erik Dahlén, Christer Janson, Bertil Forsberg*
- P-1-06-19 School traffic air pollution in the BREATHE Project
Ioar Rivas, Jordi Sunyer, Teresa Moreno, Mar Viana, Mar Álvarez Pedrerol, Andrés Alastuey, Xavier Querol*
- P-1-06-20 Short-term personal traffic-related exposures and biomarkers of nitro-PAH exposure and oxidative DNA damage
Andreas M. Neophytou, Jaime E. Hart, Yan Chang, Junfeng Zhang, Thomas J. Smith, Eric Garshick, Francine Laden*
- P-1-06-21 Using risk to guide dimension reduction with complex pollution data
David O. Nelson, Erika Garcia, Susan Hurley, Peggy Reynolds*
- P-1-06-22 Using the Nitrogen Isotopic Composition of NO₂ (δ¹⁵N-NO₂) for Source Apportionment in an Urban Area
Cambal Leah, Emily Elliott, J. David Felix, Brett Tunno, Jane Clougherty*
- P-1-06-23 Utilizing Regression Trees to Identify Complex Patterns of Multipollutant Joint Effects
Katherine Gass, Mitch Klein, Howard Chang, Stefanie Sarnat, W. Dana Flander, Matthew Strickland*
- P-1-06-24 Assessing Air Pollution, Health and Economic Impacts of Global Change: An Integrated Assessment Approach
Noelle Selin, Tammy Thompson, Rebecca Saari, Sebastian Rausch*

o8 HOUSEHOLD AIR POLLUTION EXPOSURE ASSESSMENT

- P-1-08-01 A cost-benefit mechanism available for national and local authorities to manage indoor environments in schools
Yuri Bruinen de Bruin, Stylianos Kephelopoulou, Eva Csobod, Ellen Koudijs, Eduardo de Oliveira Fernandes*
- P-1-08-02 Air Quality and Health Evaluation of a Climate Financed Cookstove Intervention in Rural India
The Wint Aung, Julian D. Marshall, T Pradeep, S Narayanswami, Grishma Jain, Karthik Sethuraman, Andy Grieshop, Jill Baumgartner, Conor Reynolds, Michael Brauer*
- P-1-08-03 Air Quality and Thermal Comfort in Complex Topology Buildings
Eusébio Conceição, João M. M. Gomes, Tiago A. C. Machado*
- P-1-08-04 Artificial turf as a source of harmful compounds in indoor air of sports arenas
Arto Pennanen, Arja Asikainen, Tapani Tuomi, Sinikka Vainiotalo, Arto Säämänen, Raimo O Salonen*
- P-1-08-05 Carbon monoxide exposures in vulnerable groups: Use of a toxicokinetic model to evaluate current indoor air guidelines and standards
Prabjit Barn, Nathalie Gosselin, Michèle Bouchard, Tom Kosatsky*
- P-1-08-06 Characteristics and affecting factors on indoor particulate matters in public facilities, Korea
In-Keun Shim, Wooseok Lee, Suran Won, Jinseob Kim*
- P-1-08-07 CONTROL OF AIRTIGHTNESS QUALITY MANAGEMENT SCHEME IN FRANCE: RESULTS AND LESSONS
Gaëlle Guyot, Sandrine Charrier, Myriam Olivier*

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- P-1-08-08 Emissions of Phthalate Plasticizers from Vinyl Flooring: The Impact of Temperature, Ventilation and Surface Sorption
Ying Xu, Yirui Liang*
- P-1-08-09 Establishing the burden of Carbon monoxide exposure in private homes
Lucy McCann, Rebecca Close, Les Staines, Graham Cutter, Giovanni Leonardi*
- P-1-08-10 Freebase methamphetamine accumulation in clothing and skin oil
Nishanthini Vijayakumar shakila, Nishanthini Vijayakumar shakila, Krista Parker, Glenn Morrison*
- P-1-08-11 HAZARDOUS IDENTIFICATION AND HEALTH RISK ASSESSMENT RELATED TO INCENSE AND JOSS STICK MAKING IN SMALL HOUSEHOLD FACTORIES,
Sangchom Siripanich, Wattasit Siri Wong, Mark Gregory Robson*
- P-1-08-12 Health risk assessment for inhalation exposure to particle-bound polycyclic aromatic hydrocarbons from household cooking in northern Taiwan
Kuo-Pin Yu, Ke-Ruo Yang, Shih-Chun Candice Lung, Chun-Hu Liu*
- P-1-08-13 High Throughput Exposure Prioritization of Chemicals Using a Screening-Level Probabilistic SHEDS-Lite Exposure Model
Halûk Ozkaynak, Kristin Isaacs, Jianping Xue, Rocky Goldsmith, Peter Egeghy, Daniel Vallerio, John Wambaugh*
- P-1-08-14 IAQ measurement of newly-manufactured express bus in the whole vehicle test chamber: Part I. Test Procedures
Soon-Bark Kwon, Youngmin Cho, Duck Shin Park, Young-Hwan Ko, Yun-Gyu Lee, Jungyun Lim, Suejin Kim*
- P-1-08-15 IAQ measurement of newly-manufactured express bus in the whole vehicle test chamber: Part II. Test Results
Jihan Song, Soon-Bark Kwon, Minhae Kim, Young-Kwan Yoon, Youngmin Cho, Young-Hwan Ko, CheolWoong Shin, Yun-Gyu Lee, Jungyun Lim, Suejin Kim*
- P-1-08-16 Impact of Biomass cooking fuels on indoor air quality in rural areas of Lucknow
Ms Aakanksha, Ratna Katiyar, S K Rastogi*
- P-1-08-17 Indoor Air Quality in schools in the city of Kozani, Greece.
Krystallia Kalimeri, Dikaia Saraga, Evangelos Tolis, John Bartzis*
- P-1-08-18 Perceived indoor air quality in modern office buildings in Finland
Matti Peltonen, Arja Asikainen, Marko Hyttinen, Otto Hänninen, Philo Bluyssen, Corinne Mandin, Serena Fossati, Paolo Carrer, Eduardo de Oliveira Fernandes, John Bartzis*
- P-1-08-19 Residential exposure to household air pollution and its effects on children's respiratory health
Bijaya Kumar Padhi, Vinod Kumar Jain, Pinaki Panigrahi*
- P-1-08-20 Sensory-based Evaluation of Building Product Emissions – Integration of Sensory Tests in the AgBB-Scheme
*Ana Maria Scutaru**
- P-1-08-21 Sick Building Syndrome (SBS) among parents of preschool children in relation to home environment in Chongqing, China
Juan Wang, Baizhan Li, Qin Yang, Han Wang, Dan Norbäck, Jan Sundell*
- P-1-08-22 Sources of Indoor Air Pollution in Residences of Asthmatic Children in New York City
Rima Habre, Brent A. Coull, Annette Rohr, Erin Moshier, Amit Nath, William Castro, Avi Grunin, James Godbold, Neil Schachter, Meyer Kattan, Petros Koutrakis*
- P-1-08-23 Study On The Effect Of Door Opening On The Temperature Distribution In the Urban Transit Cabin In Winter Season
Youngmin Cho, Soon-Bark Kwon, Duck Shin Park, Woo-Sung Jung, Tae-Wook Kim*

10

ARSENIC

- P-1-10-01 A META-ANALYSIS OF THE ASSOCIATION OF ARSENIC AND MANGANESE EXPOSURE WITH NEURODEVELOPMENT IN CHILDREN
Miguel Rodríguez-Barranco, Marina Lacasaña, Clemente Aguilar, Juan Alguacil, Fernando Gil, Beatriz Gonzalez Alzaga*
- P-1-10-02 Are different soil metals during pregnancy associated with mild and severe intellectual disability in children?
Suzanne McDermott, Weichao Bao, Bo Cai, Andrew Lawson, C. Marjorie Aelion*

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- P-1-10-03 Arsenic Exposure and Cardiovascular Disease: An Updated Systematic Review
*Katherine Moon**, *Eliseo Guallar*, *Ana Navas-Acien*
- P-1-10-04 Arsenic exposure and impaired lung function: findings from a large population-based prospective cohort study
*Faruque Parvez**, *Yu Chen*, *Mahbub Yunus*, *Christopher Olopade*, *Stephanie Segers*, *Vesna Slavkovich*, *Rabiul Hasan*, *Alauddin Ahmed*, *Tariqul Islam*, *Joseph Graziano*, *Habibul Ahsan*
- P-1-10-05 Arsenic in private drinking water supplies: human health risk based on underlying geology
*Helen Crabbe**, *Rebecca Close*, *Mike Studden*, *Pauline Smedley*, *Louise Ander*, *Michael Watts*, *Allison Henley*, *Frank McColl*, *Amy Rimell*, *Giovanni Leonardi*
- P-1-10-06 Arsenic in private drinking water supplies: population exposure assessment validated by biomonitoring.
*Rebecca Close**, *Dan Middleton*, *David Polya*, *Ovnair Sepai*, *Karen Exley*, *Helen Crabbe*, *Michael Watts*, *Pauline Smedley*, *Louise Ander*, *Mike Studden*, *Giovanni Leonardi*
- P-1-10-07 Arsenic in the drinking water and congenital heart anomalies
*Peter Rudnai**, *Janos Sandor*, *Judit Beres*, *Julia Metneki*
- P-1-10-08 ARSENIC METABOLITES IN HUMAN URINE AFTER INGESTION OF SEAFOOD
*Akihisa Hata**, *Kenzo Yamanaka*, *Hidetoshi Kurosawa*, *Yuko Yamano*, *Yoko Endo*, *Noboru Fujitani*, *Ginji Endo*
- P-1-10-09 Associations among Autoantibodies, Total Blood Mercury, Fish Consumption and Proximity to Highconcentration Sediment Arsenic Deposits in Cheyenne River Sioux Tribe Members
*Jennifer Ong**, *Esther Erdei*, *Robert Rubin*, *Carlyle Ducheneaux*, *Marcia O'Leary*, *K. Michael Pollard*, *Curtis Miller*, *Johnnye Lewis*
- P-1-10-10 Comparison of Inter-Home and Intra-Homes Variance of Arsenic in Children's Urine for Households Near a Hazardous Waste Site
*Anastasia Sugeng**, *Paloma Beamer*, *Nathan Lothrop*, *Walter Klimecki*, *Melissa Cox*, *Sarah T. Wilkinson*, *Miranda Loh*
- P-1-10-11 Development of analytical method for biological monitoring of inorganic arsenic exposure using gas chromatography-mass spectrometry
*Akito Takeuchi**, *Akira Namera*, *Yaeko Kawasumi*, *Tsutoshi Imanaka*, *Norihiro Sakui*, *Hirokazu Ota*, *Yoko Endo*, *Kimiaki Sumino*, *Ginji Endo*
- P-1-10-12 Dietary inorganic arsenic intake in the U.S. and relation to serum matrix metalloproteinase-9 at different threshold concentrations of tap water arsenic
*Margaret Kurzius-Spencer**, *Robin Harris*, *Jason Roberge*, *Mary Kay O'Rourke*, *Vern Hartz*, *Jefferey Burgess*
- P-1-10-13 Exposure to Metals in Environmental Media Near a Mine Tailings Site
*Miranda Loh**, *Anastasia Sugeng*, *Nathan Lothrop*, *Walter Klimecki*, *Melissa Cox*, *Sarah T. Wilkinson*, *Paloma Beamer*
- P-1-10-14 In utero arsenic exposure and infant infections in a United States cohort: A prospective study
*Shohreh Farzan**, *Susan A. Korrick*, *Zhigang Li*, *Richard Enelow*, *A. Jay Gandolfi*, *Juliette Madan*, *Kari Nadeau*, *Margaret Karagas*
- P-1-10-15 In vivo study of arsine exposure in hairless mice: percutaneous absorption vs. whole-body inhalation
*Yuko Yamano**, *Kasuke Nagano*, *Kenzo Yamanaka*, *Akihisa Hata*, *Toshio Nakadate*, *Yoko Endo*, *Ginji Endo*
- P-1-10-16 Inorganic arsenic and bladder cancer in areas of Hungary, Romania, and Slovakia: A Case-Control Study
Tony Fletcher, *Giovanni Leonardi**, *Walter Goessler*, *Eugen Gurzau*, *Kvetoslava Koppova*, *Kumar Rajive*, *Peter Rudnai*, *Marie Vahter*
- P-1-10-17 Low to Moderate Arsenic Exposure and Incident Cardiovascular Disease: The Strong Heart Study
*Katherine Moon**, *Eliseo Guallar*, *Jason G. Umans*, *Richard B. Devereux*, *Lyle Best*, *Kevin A. Francesconi*, *Walter Goessler*, *Jonathan Pollak*, *Ellen K. Silbergeld*, *Barbara V. Howard*, *Ana Navas-Acien*
- P-1-10-18 Low-moderate drinking water arsenic is associated with an increased risk for spontaneous abortion among more highly educated women in Timis County, Romania
Michael Bloom, *Simona Surdu*, *Iulia Neamtii*, *Edward Fitzgerald**, *Eugen Gurzau*

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- P-1-10-19 Polymorphism of Inflammatory genes and Arsenic Methylation Capacity are Associated with Urothelial Carcinoma
Yu-Mei Hsueh, Chia-Chang Wu, Yung-Kai Huang, Chi-Jung Chung*
- P-1-10-20 Possible Production of arsenic adduct due to the exposure of mouse preserved blood to arsine in vitro
Takenori Yamauchi, Yuko Yamano, Kenzo Yamanaka, Akihisa Hata, Yoshiki Kuroda, Yoko Endo, Ginji Endo*
- P-1-10-21 Relationship of Arsenic Concentration in Residential Yard Soil, Home Location, and Topography in a Community near a Superfund Site
Lothrop Nathan, Anastasia Sugeng, Miranda Loh, Walter Klimecki, Melissa Cox, Sarah T. Wilkinson, Paloma Beamer*
- P-1-10-22 SLC01B1 Gene Variants and Urine Arsenic Metabolites in the Strong Heart Family Study
Matthew O. Gribble, V. Saroja Voruganti, Cheryl D. Cropp, Kevin A. Francesconi, Walter Goessler, Jason G. Umans, Ellen K. Silbergeld, W.H. Linda Kao, Shelley A. Cole, Ana Navas-Acien*
- P-1-10-23 Spatial patterns in urinary tract cancer (UTC) risk in Nova Scotia (NS), Canada.
Nathalie Saint-Jacques, Patrick Brown, Trevor Dummer, Louise Parker*
- P-1-10-24 Spatial-temporal analysis of bladder cancer risk in the New England Bladder Cancer Study
David Wheeler, Mary Ward, Dalsu Baris, Joanne S. Colt, Kenneth P. Cantor, Laura Beane Freeman, Margaret Karagas, Molly Schwenn, Alison Johnson, Debra T. Silverman*
- P-1-10-25 Urine Arsenic and Chronic Kidney Disease: Cross-sectional and Prospective Evidence from the Strong Heart Study
Laura Zheng, Jason G. Umans, Fawn Yeh, Kevin A. Francesconi, Walter Goessler, Ellen K. Silbergeld, Eliseo Guallar, Barbara V. Howard, Virginia M. Weaver, Ana Navas-Acien*

12 CLIMATE CHANGE

- P-1-12-01 A Global Analysis Of Associations Between Climate, Vegetation And Intermittent And Persistent Rhinitis Prevalence
Elaine Fuertes, Barbara K Butland, H. Ross Anderson, David P. Strachan, Michael Brauer*
- P-1-12-02 Absolute Temperature Mean Changes and Emergency Department Visits for Asthma in Seoul, Korea: A CaseCrossover Study
Jayeun Kim, Ho Kim*
- P-1-12-03 ADDRESSING THE PUBLIC HEALTH IMPACT IN MACEDONIA: THE CLIMATE CHANGE ADAPTATION STRATEGY IN HEALTH SECTOR
Vladimir Kendrovski, Margarita Spasenovska, Maria Kisman, Allison Thorpe, Bettina Menne*
- P-1-12-04 Apparent temperature and heatstroke-related emergency ambulance dispatches in the Kanto area of Japan: When does the tragic relationship first begin?
Chris Fook Sheng Ng, Kayo Ueda, Masaji Ono, Hiroshi Nitta*
- P-1-12-05 Assessing the heat and cold effect of temperature on hospitalization and outpatient by allergic rhinitis in Seoul, Korea
Hyo-Mi Kim, Jong-Tae Lee*
- P-1-12-06 Associations between Short-term Changes in Air Pollution and Perceived Stress: the VA Normative Aging Study
Amar Mehta, Laura Kubzansky, Brent A. Coull, Itai Kloog, Petros Koutrakis, David Sparrow, Avron Spiro III, Pantel S. Vokonas, Joel D. Schwartz*
- P-1-12-07 Characteristics of deaths from meteorological disasters in republic of Korea
Kyung Eun Lee, Hyung-Myung Nam, Wonwoong Na, Jae-Yeon Jang*
- P-1-12-08 Climate Cascades: Impacts of toxic substances and waterborne pathogens on man and ecosystems
Ton de Nijs, Ana Maria Roda Husman, Jack Schijven, Ankie Sterk, Marcel van der Perk, Maria Stergiadi, Marc Bierkens, Oene Oenema, Tine Fierens, Arnout Standaert, Mirja Van Holderbeke*
- P-1-12-09 Cutaneous Leishmaniasis in Israel and Correlation over Time with Average Ambient Temperature
Isabella Karakis, Dan Gandacu, Pinhas Alpert, Haim Shafir, Anat Baharad, Emilia Anis, Itamar Grotto*

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- P-1-12-10 Effects of climate parameters in dengue fever incidence in Taiwan – retrospective observation from 1998 to 2010
Wu Fang-Yang, Wu Shu-Huan, Chou Tzu-Chieh, Sung Fung-Chang*
- P-1-12-11 Effects of cold and hot temperature on dehydration: a mechanism of cardiovascular burden from extreme weather condition
*Youn-Hee Lim, Min-Seon Park, Yoonhee Kim, Ho Kim, Keun-Young Yoo, Jin Hee Kim, Yoon-Hyeong Choi, Yun Chul Hong**
- P-1-12-12 Effects of extreme temperatures on mortality among elderly persons with chronic disease
Daniel Oudin Åström, Christofer Åström, Patrizia Schifano, Adele Lallo, Paola Michelozzi, Joacim Rocklöv, Bertil Forsberg*
- P-1-12-13 Estimated Costs of Diseases Related to Climate Change in Public and Private Hospitals in Michoacan State, Mexico during 2011
Alejandro Molina-Garcia, Josefina Martinez-Ponce, Angeles Fuentes-Chagolla, Raymundo Puebla-Calderon, Rafael Diaz-Rodriguez*
- P-1-12-14 Extreme heat in Australia: are culturally and linguistically diverse communities more at risk?
Peng Bi, Alana Hansen, Monika Nitschke, Arthur Saniotis, Jill Benson, Val Smyth, Leigh Wilson, Gil-Soo Han, Yan Tan, Lillian Mwanri*
- P-1-12-15 Health effects of a changing climate – impacts and adaptation needs in Stockholm County
My Svensdotter, Tom Bellander, Gunnel Emenius, Elisabet Lindgren*
- P-1-12-16 Impact of climate change on human dietary exposure to heavy metals in the Netherlands
*Tine Fierens, Arnout Standaert, Mirja Van Holderbeke, Luc Int Panis**
- P-1-12-17 Impact of climate variability on Plasmodium vivax and Plasmodium falciparum malaria in the high risk area of Yunnan Province, China
Yan Bi, Weiwei Yu, Wenbiao Hu, Hualiang Lin, Yuming Guo, Zhiwei Xu, Shilu Tong*
- P-1-12-18 Influence of climate change on biotrophic weather effects and human health in Germany
Stefan Zacharias, Christina Koppe, Hans-Guido Mücke*
- P-1-12-19 INTERACTIVE EFFECTS BETWEEN OZONE AND TEMPERATURE ON RESPIRATORY ADMISSIONS IN KOREA
Hyun-joo Bae, YongSeong Shin, Jeong-Gyu Park, Haeyoung Pak*
- P-1-12-20 Modelling the influences of climate change and socioeconomic development on future storm surge mortality
Simon Lloyd, Sari Kovats, Zaid Chalabi, Sally Brown, Robert Nicholls*
- P-1-12-21 PHASE EU-project. Variations in the high temperature – mortality relationship and the harvesting effect in 8 European cities
Michela Leone, Francesca de Donato, Klea Katsouyanni, Timo Lanki, Daniel Oudin Åström, Carmen Iñiguez, Xavier Basagaña, Matteo Scortichini, Anna Páldy, Paola Michelozzi*
- P-1-12-22 Spatial analysis of the 2010 heat wave on stroke mortality in Nanjing, China
Kai Chen, Jun Bi, Tiantian Li, Xiuzhen Zhang, Lei Huang*
- P-1-12-23 Suicide and Ambient temperature in East Asia
Yoonhee Kim, Ho Kim, Yasushi Honda, Yue-Liang Guo, Bing-Yu Chen, Youn-Hee Lim, Na-Kyung Kim*
- P-1-12-24 Synergy in the effects of temperature and air pollution on mortality in 8 European cities. Results from the PHASE project.
Antonis Analitis, Francesca de Donato, Michela Leone, Paola Michelozzi, Bertil Forsberg, Ana M. VicedoCabrera, Raimo O Salonen, János Bobvos, Klea Katsouyanni*
- P-1-12-25 Temperature and ischemic heart disease mortality in cities of tropical, Mexico María-Guadalupe
Garibay-Chávez, Arturo Curiel Ballesteros, Tania Parada*
- P-1-12-26 Temperature and risk for preterm delivery in Northern California
*Avalos Lyndsay, Hong Chen, De-Kun Li, Rupa Basu**
- P-1-12-27 The association between weather variability and Influenza incidence among young children in a low-income urban population in Bangladesh.
Chisato Imai, W. Abdullah Brooks, Doli Goswami, Bilkis Ara Anjali, Ashraf Dewan, Yeonseung Chung, Ho Kim, Masahiro Hashizume*

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- P-1-12-28 THE EFFECT OF CLIMATE CHANGE ON THE POTENTIAL DISTRIBUTION OF THE EUROPEAN PHLEBOTOMUS SPECIES AND THE PARASITE LEISHMANIA INFANTUM IN 2011-2070. A CLIMATE ENVE
Attila Trájer, Ákos Bede-Fazekas, János Bobvos, Anna Páldy*
- P-1-12-29 The impact of biofuel-induced food-price inflation on food demand and dietary greenhouse gas emissions
Noah Scovronick, Paul Wilkinson*
- P-1-12-30 The Impact of Local and Oceanic Climate Variability on the Incidence of Childhood Pneumonia in Papua New Guinea
Jinseob Kim, Hae-Kwan Cheong, Ho Kim, Yasushi Honda, Mina Ha, Hashizume Masahiro, Kasis Inape*
- P-1-12-31 The potential for increased winter indoor temperatures due to retrofitting homes in England
James Milner, Ian Hamilton, Michael Davies, Paul Wilkinson*
- P-1-12-32 Tourism Climate Index in Puerto Vallarta as a useful tool in the prevention of diseases related to climate.
Carlos Lopez, Valentina Davydova*
- P-1-12-33 Using meta-smoothing to estimate exposure-response curve between ambient temperature and mortality: a multi-city time series analysis.
Francesco Nordio, Francesco Nordio, Antonella Zanobetti, Itai Kloog, Joel D. Schwartz*
- P-1-12-34 Sensitisation rates to allergens, which may dispread due to climate change: first results of a survey conducted in two German Federal States
G. Balakirski, Z. Hajdu, C. Hoeflich, J. M. Baron, L. Kaiser, H. F. Merk, S. Gerdson, U. Strassen, M. Bas, H. Bier, W. Dott, Hans-Guido Mücke, A. Chaker, S. Roeseler, W. Straff*

13 BIOMARKER

- P-1-13-01 A Follow-up Study on the Concentration Change of Heavy Metals in Urine of Residents 3 Years After the Hebei Spirit Oil Spill
Jung Ah Kim, Su Ryeon Noh, Yong Jin Jeon, Hyun Sook Bae, Gwi Heum Eom, Young-Hyun Choi, Mina Ha, HaeKwan Cheong*
- P-1-13-02 Associations of Urinary Amino-PAHs With Ambient Air Pollutants in Beijing Residents
Jicheng Gong, Junfeng Zhang, Tong Zhu, Howard Kipen, Guangfa Wang, Min Hu, Pamela Ohman-Strickland, shou-En Lu, David Q Rich, Wei Huang, Wanting Lin*
- P-1-13-03 Cell Proliferation of umbilical cord blood cells as a sub-clinical endpoint in relation to environmental exposures: biomonitoring pilot study in Southern Israel
*Lena Novack, Ester Manor, Elena Gurevich, Maayan Yitshak-Sade, Daniella Landau, Batia Sarov, Reli Hershkovitz, Tali Vodonos, Isabella Karakis**
- P-1-13-04 Cytogenetic biomonitoring of workers exposed to diethylamine, Analysis in peripheral blood lymphocytes.
Lertchai Charemtanyarak, Friedrich Tiefenbrunner*
- P-1-13-05 Determination of Polycyclic Aromatic Hydrocarbons in Adipose Tissues of Mice Following Long-term Exposure
Huixin Wu, Yan Chang, Wanting Lin, Amanda Crow, Jacob McDonald, Amie Lund, Hooman Allayee, Frank Gilliland, Robert McConnell, Junfeng Zhang*
- P-1-13-06 DINCH metabolites in urine samples of the German Environmental Specimen Bank (ESBHum) from 1999 to 2012: a retrospective exposure assessment
Andre Schutze, Marike Kolossa-Gehring, Petra Apel, Jürgen Angerer, Thomas Brüning, Holger M. Koch*
- P-1-13-07 Enhancing the power of biomarkers: a polycyclic aromatic hydrocarbon case study in using biomarkers, emissions data and air quality modeling
Kathleen M. Navarro, Jennifer K. Mann, John R. Balmes, Thomas E. McKone*
- P-1-13-08 Environmental contaminants in hair and urine from Swedish mothers and children – an EU harmonized approach
Kristin Larsson, Brita Palm, Margaretha Grandér, Karin Ljung, Maria Wennberg, Lennart Kaj, Bo A.G. Jönsson, Marika Berglund*
- P-1-13-09 Exposure to BPA during pregnancy and fetal growth in a Spanish birth cohort
Maribel Casas, Damaskini Valvi, Raquel Garcia, Ana Ballesteros-Gómez, Carmen Iñiguez, Noelia Luque, Soledad Rubio, Mariana F. Fernandez, Jordi Sunyer, Martine Vrijheid*

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- P-1-13-10 Identification of endocrine disrupting chemical doses in rats to reproduce human urinary metabolite concentrations
Susan Teitelbaum, Luca Lambertini, Qian Li, Fiorella Belpoggi, Laura Falcioni, Luciano Bua, Manori Silva, Xiaoyun Ye, Antonia M. Calafat, Jia Chen*
- P-1-13-11 Intervention strategy development on phthalates exposure reduction for girls
Ching-Chang Lee, Chung-Yu Chen, Yen-Yin Chou, Shio-Jean Lin*
- P-1-13-12 Penalized multivariate analysis of prenatal exposure to phthalates, perfluorinated compounds and organochlorines and birth weight
Virissa Lenters, Lützen Portengen, Anna Rignell-Hydbom, Bo A.G. Jönsson, Christian H. Lindh, Aldert H Piersma, Gunnar Toft, Jens Peter Bonde, Dick Heederik, Lars Rylander, Roel Vermeulen*
- P-1-13-13 Predictors of Urinary Bisphenol A and Phthalate Metabolite Concentrations in Mexican Children
Ryan Lewis, John D. Meeker, Karen E. Peterson, Lourdes Schnaas, Alejandra Cantoral Preciado, Martha Maria Tellez-Rojo Solis*
- P-1-13-14 Quantification of the mercapturic acids of acrylonitrile and its genotoxic metabolite cyanoethylene-epoxide in a pilot human biomonitoring study
Thomas Schettgen, Jens Bertram, Thomas Kraus*
- P-1-13-15 Rapidly Parameterized Consumer Use Modeling for High-Throughput Exposure Predictions
*John Wambaugh, Anran Wang, Cory Strobe, Daniel Chang, Rocky Goldsmith, Peter Egeghy, Kristin Isaacs, Alan Liddell, Richard Judson, R. Woodrow Setzer, Elaine Cohen Hubal, Daniel Vallero**
- P-1-13-16 Simultaneous determination of the major aniline metabolites in human urine by on-line turbulent flow chromatography HPLC-MS/MS
Hendrik Modick, Georg Dierkes, Andre Schutze, Claudia Pälme, Tobias Weiß, Thomas Brüning, Holger M. Koch*
- P-1-13-17 Storage conditions and stability of global DNA methylation in placental tissue for Epidemiology Studies.
Nadia Vilahur, Nadia Vilahur, Andrea A Baccarelli, Mariona Bustamante, Silvia Agramunt, Hyang-Min Byun, Mariana F. Fernandez, Jordi Sunyer, Xavier Estivill*
- P-1-13-18 Trends in urinary concentrations of 2,4-dichlorophenol and 2,5-dichlorophenol in the U.S. Population: National Health and Nutrition Examination Survey 2003–2010
Sherry (Xiaoyun) Ye, Lee-Yang Wong, Xiaoliu Zhou, Antonia M. Calafat*
- P-1-13-19 Urinary excretion of phthalate metabolites in 663 children after attendance of daycare centers compared with tolerable daily intake of phthalates
Martin Kraft, Thomas Lahrz, Ludwig Fembacher, Silvio Dietrich, Silvia Sievering, Rainer Burgardt, Gabriele Bolte, Wolfgang Völkel, Hermann Fromme*
- P-1-13-20 Urinary levoglucosan as a biomarker for woodsmoke exposure in wildland firefighters
*Luke P Naeher, Dana Boyd-Barr, Olorunfemi Adetona, Christopher Simpson**

14 WATER

- P-1-14-01 A comparison between two different incidence indicators of gastrointestinal illnesses in a Swedish drinking water study
Andreas Tornevi, Lars Barregård, Bertil Forsberg*
- P-1-14-02 A prospective study of prenatal exposure to fluoride and neurobehavior: preliminary analyses
Deena Thomas, Howard Hu, Niladri Basu, Brisa N. Sánchez, David C. Bellinger, Lourdes Schnaas, Adriana Mercado-García, Karen E. Peterson, Sung Kyun Park, Mauricio Hernández-Avila, Mara Tellez Rojo*
- P-1-14-03 Are we sending mixed messages to remote indigenous communities? Water for healthy living versus water conservation.
Meryl Pearce-Churchill, Eileen Willis, Susan Lawrie*
- P-1-14-04 Cutaneous symptoms in indoor swimming pools workers
Guglielmina Fantuzzi, Elena Righi, Guerrino Predieri, Gabriella Aggazzotti*
- P-1-14-05 Detection of spatio temporal clustering of cases of childhood leukemia in Lerma-Chapala watershed
José Luis Texcalac Sangrador, Horacio Riojas Rodríguez, Alan Castillo Ferraez*

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- P-1-14-06 Estimating the impact of drinking water lead concentration on blood lead levels in children aged 1-5 years by using a cumulative index of exposure.
Ngueta Gerard, Patrick Levallois, Michèle Prévost, Robert Tardif, Belkacem Abdous*
- P-1-14-07 Evaluation of Microbial Contaminations from Emergency Eyewash and Shower Fluid in Southern Taiwan
Pei-Chih Wu, Bo-Wei Huang, Wan-Ting Chen, Ching-Yi Horng, Hung-Yu Shu, Zhou-Chen Horng*
- P-1-14-08 Extreme Precipitation may Enhance Occurrence of Enterovirus and Shigellosis
Kuo-Chang Hung, Chao-Yu Guo, Mu-Jean Chen, Huey-Jen Su*
- P-1-14-09 HEALTH IMPLICATIONS OF THE QUALITY OF WATER FROM WATER VENDORS' SOURCES OF SUPPLY IN A NIGERIAN URBAN CENTRE: THE CASE OF ENUGU NORTH, NIGERIA
Emmanuella Onyenechere, Eleazu Ebere*
- P-1-14-10 Health vulnerability risk factors before, during and after floods
*Dianne Lowe, Bertil Forsberg**
- P-1-14-11 Increased risk of malnutrition among flood-exposed children of rural eastern India: results from a populationbased survey
José Rodríguez-Llanes, Shisir Ranjan-Dash, Laura Irvine, Debarati Guha-Sapir*
- P-1-14-12 LINE-1 methylation, lifetime trihalomethane exposure from drinking water and bladder cancer risk
Lucas A. Salas, Cristina M. Villanueva, Salman M. Tajuddin, André F. S. Amaral, Agustín F. Fernandez, Nathaniel Rothman, Debra T. Silverman, Kenneth P. Cantor, Manolis Kogevinas, Mario F. Fraga, Núria Malats*
- P-1-14-13 Noma: epidemiology and global burden of a neglected disease
Sophie Haesen, Thomas Fürst, Jürg Utzinger*
- P-1-14-14 Occurrence and speciation of disinfection by-products in water and air of indoor swimming pools in the province of Quebec (Canada)
Cyril Catto, Sabrina Simard, Ginette Charest-Tardif, Sami Haddad, Manuel Rodriguez, Robert Tardif*
- P-1-14-15 Pharmaceutical and Personal Care Products (PPCPs) in Soils Irrigated with Treated Wastewater (TWW): Uptake by Crops and Exposure
Benny Chefetz, Tomer Malachi, Galit Tadmor, Myah Goldstein, Moshe Shenker*
- P-1-14-16 Probabilistic exposure assessment challenges the safety margin in drinking water criteria – the example of fluoride
*Anna Augustsson**
- P-1-14-17 Simultaneous determination of cationic and anionic pharmaceuticals and steroid hormones using an online SPE LC and a high-speed polarity switching ESI MS/MS
Shoji Nakayama, Mitsuha Yoshikane, Tairo Ogura, Ichiro Hirano, Yayoi Suzuki*
- P-1-14-18 Social Cost Benefit Analysis of Water and Sanitation Improvement in a Poor Urban Slum
Mutasem El-Fadel, Rania Maroun, Mirna Alameddine, Darine Mawla*
- P-1-14-19 Study of Hepatitis «A» Outbreak in a rural community in Southern Bulgaria
Levtrova Boryana, Donka Dimitrova, Milena Kolarova, Tanya Uchordjieva, Elena Dragova*
- P-1-14-20 Total and pentoxide vanadium in drinking water supplies from volcanic area of Mt. Etna (Sicily, Italy).
Giovanni Arena, Chiara Copat, Angela Di Martino, Alfina Grasso, Isabella Gallitto, Rossella Fazio, Roberto Fallico, Salvatore Sciacca, Margherita Ferrante*
- P-1-14-21 Trihalomethanes in drinking water and the risk of death from esophageal cancer: does hardness in drinking water matter?
Chun-Yuh Yang, Shang-Shyue Tsai, Hui-Fen Chiu*

18 METALS

- P-1-18-01 A preliminary study on the association between blood lead, cadmium and mercury and pubertal development in boys aged 6 to 19
Eunae Burm, Mina Ha, Hojang Kwon, Jong-Han Leem, Hwan-Cheol Kim, Jeeseuk Yu, Bo-Eun Lee, Seung-Do Yu*
- P-1-18-02 Aluminum toxicity and Moroccan children's memory
Fatima-Zahra Azzaoui, Hinde Hami, Ahmed Ahami*

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- P-1-18-03 ASSESSING TRACE METALS EXPOSURE IN WHOLE BLOOD DURING DIFFERENT WINDOWS OF SUSCEPTIBILITY IN PREGNANCY IN PUERTO RICO
Rivera-Gonzalez Luis, David E. Cantonwine, Niladri Basu, Braulio Jiménez-Vélez, Noe Crespo-Hernández, Liza V. Anzalota, Akram N. Alshawabkeh, Jose F. Cordero, John D. Meeker*
- P-1-18-04 Assessment of Adult Bone Health by Lead Burden
Tsung-Lin Tsai, Trong-Neng Wu, Saou-Hsing Liou, Shu-Li Wang*
- P-1-18-05 Association between blood cadmium levels and lung function in the Korean adults.
Moyeol Kang, Soo-Hun Cho, Minsang You, Yun-Chul Hong*
- P-1-18-06 Biological monitoring of metal mine residents in Korea
Young-Seoub Hong, Byoung-Gwon Kim, Chang-Hun Yu, Dae-Seon Kim, Kyoung-Mu Lee*
- P-1-18-07 Cadmium and Lead Exposure and Chronic Kidney Disease in the Canadian Population
Patrick Levallois, Jasmin Levallois, Eladhji Anassour-Laouan-Sidi, Julie St-Laurent, Pierre Ayotte, JeanPhilippe Lafrance*
- P-1-18-08 Cadmium biomarker levels in maternal-infant pairs in Bangladesh
Christine Dobson, Molly Kile, Ema Rodrigues, Sakila Afroz, Hafiza Suchanda, Quazi Quamruzzaman, Golam Mostofa, Mahmuder Rahman, Golam Mahiuddin*
- P-1-18-09 Cord blood manganese and teacher-reported ADHD-related behaviors among 8-year old children
Sharon K. Sagiv, Sally Thurston, David C. Bellinger, Chitra Amarasiriwardena, Susan A. Korrick*
- P-1-18-10 Effect of Prenatal Blood Manganese Level
Soo Eun Chung, Hae-Kwan Cheong, Eun-Hee Ha, Boong-Nyun Kim, Mina Ha, Yangho Kim, Yun Chul Hong, HyeSook Park*
- P-1-18-11 Effects of lead and cadmium in physical growth in a cohort of children 0-2 years of age in Cali-Colombia
Diana Maria Caicedo-Borrero, Fabián Méndez Paz*
- P-1-18-12 Exposure to metals and congenital anomalies: a biomonitoring pilot study in pregnant women in Southern Israel
Isabella Karakis, Daniella Landau, Maayan Yitshak-Sade, Doron Dukler, Reli HersHKovitz, Michal Rotenberg, Batia Sarov, Itamar Grotto, Lena Novack*
- P-1-18-13 Feasibility for screening for Parkinson's and Alzheimer's disease in Costa Rica
Catharina Wesseling, Norbel Roman, Laura Paez, Vilma Garcia, Indiana Quiros, Ana Maria Mora, Jorge Juncos, Kyle Steenland*
- P-1-18-14 Histological Study On Hippocampus Following Low Lead Exposure During Prenatal And Postnatal Brain Development In Rats.
Rajashekar Rao Barkur, Laxminarayana K Bairy*
- P-1-18-15 Influences on Thyroid Hormone Concentrations and Mental Development of Children Co-exposed to Lead and Cadmium
Lian Liu, Xijin Xu, Kim Dietrich, Xia Huo*
- P-1-18-16 Lead exposure, B-vitamins, and plasma homocysteine in older men
Kelly Bakulski, Sung Kyun Park, Marc G Weisskopf, Katherine L. Tucker, David Sparrow, Avron Spiro III, Pantel S. Vokonas, Linda Huiling Nie, Howard Hu, Jennifer Weuve*
- P-1-18-17 Low level kidney cadmium and effects on urinary alpha-1-microglobulin
Maria Wallin, Gerd Sallsten, Lars Barregård*
- P-1-18-18 Metallic trace elements in maternal blood and cord blood in an Andean mining city of Bolivia
Flavia L Barbieri, Jacques Gardon, María Ruiz-Castell, Paco Pamela, Rebecca Muckelbauer, Corinne Casiot, Rémy Freydier, Jacqueline Müller-Nordhorn, Thomas Keil*
- P-1-18-19 Metallothionein 1A Polymorphisms May Be Associated with Uric Acid Excretion in Chronic Lead-exposed Workers
Chen-Cheng Yang, Hsin-I Chen, Hung-Yi Chuang*
- P-1-18-20 Way to prevent Infant's lead exposure through deductive analysis.
Min-ha Han, Mina Ha, HyeSook Park, Yun Chul Hong, Yangho Kim, Eun-Hee Ha*

19 MICROBIAL ENVIRONEMNT

- P-1-19-01 Applying the antimicrobial peptide pretreated filters for inactivating bioaerosols
Chin-Hsiang Luo, Hsiao-Chien Huang, Shinhao Yang*

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- P-1-19-02 Assessment of Bioaerosol Sampling Techniques for Viable *Acinetobacter baumannii* by Propidium Monoazide Quantitative PCR
Chun-Chieh Tseng, Chieh-Chen Cheng*
- P-1-19-03 Assessment of respiratory symptoms and pulmonary function in relation to mold and dampness in South India: Preliminary results from the SICAPHE study
Saraswathy Manivannan, Durairaj N, Umamaheswari Sesharamakrishnan, Srinivasan N, Vidhya Venugopal, Padmavathi Ramaswamy, Priscilla Johnson, Sriram Chandramohan, Thangavel Guruswamy, Santu Ghosh, Kalpana Balakrishnan*
- P-1-19-04 Assessment of the Levels of Airborne Bacteria, Gram Negative Bacteria, and Fungi in Hospital Lobbies
Donguk Park, Jeong-Kwan Yeom, Won Jae Lee, Kyeong-Min Lee*
- P-1-19-05 Background concentrations of xerophilic fungi and particulate matter in urban air
Doris Haas, Herbert Galler, Josefa Luxner, Gernot Zarfel, Walter Buzina, Herwig Friedl, Egon Marth, Juliana Habib, Franz Ferdinand Reinthaler*
- P-1-19-06 Characteristics of epizootic and epidemic processes of anthrax in southern Kyrgyzstan.
Rakhmanbek Toichuev, Saparbai Zholdoshev*
- P-1-19-07 Characterization of indoor viable microorganisms in residential homes
Alok Kumar Patra, Bijaya Kumar Padhi, Pravas Ranjan Misra, Pinaki Panigrahi*
- P-1-19-08 Co-exposure to Ochratoxin A and Sterigmatocystin: in vitro assessment of mycotoxin's effects on hepatocellular carcinoma.
Nikolia Anninou, Aikaterini Chatzaki, Fotini Papachristou, Christos Nikolaidis, Michael Pitiakoudis, Constantinos Simopoulos*
- P-1-19-09 Culturable airborne bioaerosol characteristics during greenhouses in Taiwan
Hsiao-Chien Huang, Chi-Yu Chuang, Shinhao Yang, Chin-Hsiang Luo, Wei Fang, Po-Chen Hung*
- P-1-19-10 Distribution profile of microorganisms found in patients, surface and air environments in a hospital
Soon-Bark Kwon, Jaeyoun Jang, Jihan Song, Youngmin Cho, Wootae Jeong, Duck-Shin Park*
- P-1-19-11 Environmental relevance of cooling towers – a systematic review of legionellosis outbreaks
*Sandra Walser, Doris Gerstner, Bernhard Brenner, Caroline Herr**
- P-1-19-12 Fungal levels in houses in the inhabitation-limit area of the the Great East Japan Earthquake
Naohide Shinohara, Masahiro Tokumura, Kazuhiro Hashimoto, Makoto Sekine, Misae Kazama, Yuji Kawakami*
- P-1-19-13 Hepatitis C Viral Infection Increases the Risk of Dementia
Wei Che Chiu, Yu-Tse Tsan, Shih-Li Tsai, Pau-Chung Chen*
- P-1-19-14 Isolation of microbial bioaerosols and their antimicrobial profile from a South African hospital
*Jane Nkhebenyane**
- P-1-19-15 Occurrence of moisture damages and perceived indoor air quality in offices
Gunilla Bok, Linda Hägerhed Engman, Pernilla Johansson*
- P-1-19-16 Precipitation affects reporting Legionnaires' disease in Taiwan
Nai-Tzu Chen, Mu-Jean Chen, Huey-Jen Su*
- P-1-19-17 Predictors of residential mold growth in Vienna, Austria
Janie Shelton, Peter Wallner, Georg Pommer, Dagmar Seidl, Dieter Werner, Hans-Peter Hutter*
- P-1-19-18 Quantification of the Total Proinflammatory Potential of Particulate Matter from Bioaerosol in a Broiler Poultry Facility
Jesse Negherbon, Félix Rivera-Mariani, Thomas Hartung, Patrick Breyse*
- P-1-19-19 Quantification of viable bacteria in air by molecular assays
Ching-Wen Chang, Nien-Tzu Hung, Chih-Yong Chen, Po-Chen Hung, Shih-Lin Lo*
- P-1-19-20 Social Handwashing Ladder: A practitioner's tool for initiating a handwashing intervention
Jennifer Goodnight, Manmeet P Sandhu*

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- P-1-19-21 Spatial and temporal distribution of hantavirus cardiopulmonary syndrome (SCPH) and the association with the major land uses in Minas Gerais, Brazil, from 1998
MARCOS XAVIER Silva, Mariana Brito Gontijo, Rafael ROMERO NICOLINO, Soraia DE ARAÚJO DINIZ, Frederico FIGUEIREDO AMANCIO, Marcela LENCINE FERRAZ*
- P-1-19-22 Study on Microbial Contamination-Control Measures of Evaporative Humidifier for
Ikeda Koichi, Shoichi Nakai, Kazuya Tamura, Lin-Lin Huang*
- P-1-19-23 The effect of the reduction in the levels of Bifidobacteria in human gastrointestinal tract on the incidence of brucellosis.
*Rakhmanbek Toichuev**
- P-1-19-24 The Role of Population Mixing in the Aetiology of Childhood Leukaemia: A Swiss National Cohort Study
Judith Lupatsch, Claudia E. Kuehni, Ben D Spycher*
- P-1-19-25 The role of resuspension in infection transmission
Siming You, Man Pun Wan*
- P-1-19-26 The study of nano metal to enhance mold resistance ability of indoor building materials
*Chi-Chi Lin, Hsu Kunnan**

22 ORGANIC POLLUTANTS AND ENDOCRINE DISRUPTORS: EXPOSURE ASSESSMENT

- P-1-22-01 Analysis of Toluene Concentration Degradation Utilizing Photocatalysis of TiO₂ combined with Ozone
Win-Jet Luo, You-Lei Wu*
- P-1-22-02 Approach for developing Specific Consumer Exposure Determinants (SCEDs) for Fuel and Lubricant Scenarios
Hua Qian, Rosemary Zaleski, Chris Money*
- P-1-22-03 Biological monitoring of environments exposure to DEHP by urine?analysis for?2-Ethyl-1-hexanol
Toshio Kawai, Tsuboi Tazuru, Atsuko Araki, Ait Bama Yu, Tajima Shuji, Shi Cong, Kishi Reiko*
- P-1-22-04 BPA and BPA metabolites in umbilical cord serum during mid-gestation in a northern California cohort
Tracey Woodruff, Carrie Dickenson, Janet Pan, Roy Gerona, Joel D. Schwartz, Saunak Sen, Victor Fujimoto, Patricia Hunt*
- P-1-22-05 Characterizing children's exposure to polybrominated diphenyl ethers (PBDEs) in diet, dust, and air
Marika Berglund, Sylwia Król, Anders Glynn, Tatiana Cantillana, Per-Ola Darnerud, Charlotte Bergkvist, Helen Håkansson*
- P-1-22-06 CIRCULATING LEVELS OF PHTHALATES AND SEX HORMONES IN A POPULATION-BASED SAMPLE
Monica Lind, Johanna Penell, Tord Naessen, Jonas Bergquist, Mark M. Kushnir, Lars Lind*
- P-1-22-07 Concentrations of phthalates and bisphenol A in Norwegian foods and beverages and estimated exposure in Norwegian adults
Amrit Kaur Sakhi, Inger Therese Laugsand Lillegaard, Stefan Voorspoels, Elin Bjørge Løken, Anne Lise Brantsæter, Margaretha Haugen, Helle Margrete Meltzer, Georg Becher, Cathrine Thomsen*
- P-1-22-08 Description of 1st trimester urinary levels of phthalate and phenol metabolites in 2,356 Swedish women in the SELMA study
Huan Shu, Bo A.G. Jönsson, Malin Larsson, Ewa Nånberg, Åke Svensson, Carl-Gustaf Bornehag*
- P-1-22-09 Environmental phthalates exposure during pregnancy
Katia I Sokoloff, Maryse F Bouchard, William D Fraser*
- P-1-22-10 Evaluation of polyurethane passive samplers as a tool for occupational PAH measurements
Bo Strandberg, Gerd Sallsten, Kerstin Bergemalm-Rynell, Lisa Svedbom, Marie Lewné, Aneta Wierzbicka*
- P-1-22-11 Exposure of DEHP and DINP via house dust
Gerhard Heinemeyer, Astrid Heiland, André Conrad, Regine Nagorka1 Nagorka, Stefanie Klenow*

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- P-1-22-12 Exposure to Bisphenol A and Organophosphates in the Israeli Population: Sources and Risk Factors
*Judith Spungen, Tamar Berman, Rebecca Goldsmith, Thomas Goen, Lena Novack, Hagai Levine, Yona Amitai, Tamar Shohat, Itamar Grotto, Isabelle Karikakis**
- P-1-22-13 For GC/MS Identify Chemical Compounds of Coffee Roasting oil fume
Ching-An Feng, Chia tse Hung*
- P-1-22-14 Influence of Household Disinfection Practices on the Magnitude and Variability of Urinary Bisphenol A Concentrations
Harris Kalyvas, Pantelis Charisiadis, Constantinos Karaolis, Konstantinos C. Makris*
- P-1-22-15 Levels of polybrominated diphenyl ethers, hexabromocyclododecanes and organophosphorus flame retardants in house dust samples from Portugal
Sónia D. Coelho, Ana Catarina Sousa, António J.A. Nogueira, Joon-Woo Kim, Tomohiko Isobe, Shinsuke Tanabe, Luís Tabor da-Barata*
- P-1-22-16 Methamphetamine Contamination in Household Materials and the Effect of Skin Oil
*Dong Pan, Julia Kuebrich, Glenn Morrison**
- P-1-22-17 Novel approach to assessment of infant exposure to PCB 153 resulting from breast feeding
Kinga Lancz, Lubica Palkovicova, Henrieta Patayova, Sona Wimmerova, Eva Šovčíková, Jana Chovancová, Beata Drobna, Tomáš Trnovec*
- P-1-22-18 Personal exposure to carcinogenic polycyclic aromatic hydrocarbons and volatile organic compounds in the Czech Republic
Vlasta Svecova, Jan Topinka, Ivo Solansky, Radim Sram*
- P-1-22-19 Polychlorinated Biphenyls Transfer along the Trophic Chain in Hydroecosystems of Armenia
Anahit Aleksandryan, Artak Khachatryan, Bardukh Gabrielyan, Evelina Ghukasyan*
- P-1-22-20 Predictors of Serum PBDE Levels Among Older California Women
Peggy Reynolds, Susan Hurley, Debbie Goldberg, Erika Garcia, David O. Nelson, Yunzhu Wang, Tan Guo, June-Soo Park, Weihong Guo, Myrto Petreas*
- P-1-22-21 Relevance of phthalates in indoor air and dust of German daycare centers (LUPE 3)
Hermann Fromme, Thomas Lahrz, Martin Kraft, Ludwig Fembacher, Silvio Dietrich, Silvia Sievering, Rainer Burgardt, R. Schuster, Gabriele Bolte, Wolfgang Völkel*
- P-1-22-22 Review of the occurrence of perfluorinated alkylated substances in house dust and evaluation of the exposure of toddlers to these compounds via house dust
Stefanie Klenow, Gerhard Heinemeyer*
- P-1-22-23 Simultaneous analysis of phthalate and organophosphate triesters' metabolites in urine -Exposure assessment to plastisizer and flame retardants and their risk o
Tsuboi Tazuru, Kawai Toshio, Atsuko Araki, Ait Bama Yu, Tajima Shuji, Shi Cong, Kishi Reiko*
- P-1-22-24 Sources of Bisphenol-A (BPA) Exposure among Ethnically Diverse, Lower Income Pregnant Women in Northern California
Janet Pan, Ami Zota, Carrie Dickenson, Tracey Woodruff, Roy Gerona, Joel D. Schwartz*
- P-1-22-25 Sources of Variability in Urinary Concentrations of Bisphenol A (BPA) and Phthalate Metabolites During Pregnancy
Susan A. Korrick, Joseph Gardiner, Andrea Aguiar, Antonia M. Calafat, Susan Schantz*
- P-1-22-26 Specific antibodies against plastic resins
Toshihiro Kawamoto, Mayumi Tsuji*
- P-1-22-27 The development of a comprehensive exposure assessment strategy for polybrominated diphenyl ethers (PBDEs) for use in observational epidemiology studies.
Shelley A Harris, Beatrice Boucher, Caryn Thompson, Cariton Kubwabo, Michelle Cotterchio, Julia Knight, Len Ritter, Paul J Villeneuve*
- P-1-22-28 Using the UNEP Toolkit to estimate environmental dioxin exposure in the GEO3N study
Lucie Anzivino, Laure Dossus, Jeffrey Blain, Elodie Faure, John R. Nuckols, Virginie Charles, Françoise ClavelChapelon, Béatrice Fervers*

24 ORGANIC POLLUTANTS AND ENDOCRINE DISRUPTORS: HEALTH EFFECTS

- P-1-24-01 An inverse association between serum PCB levels and immune cell count in the general population
Berrin Serdar, Jibanananda Mishra*

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- P-1-24-02 Association between polycyclic aromatic hydrocarbons exposure and sperm DNA integrity
Anna Jeng, Chih-Hong Pan, Wen-Yi Lin*
- P-1-24-03 Biological Responses in Rats Exposed to the Hebei Spirit Oil Spill Constituents
Sung-Ho Kim, Miyoung Yang, Su Ryeon Noh, Young-Hyun Choi, Yong Jin Jeon, Gwi Heum Eom, Hyun Sook Bae, Jung Ah Kim, Mina Ha, Hae-Kwan Cheong*
- P-1-24-04 Boosted regression trees – a way to study mixture effects of environmental contaminants measured in the circulation.
Erik Lampa, Lars Lind, P. Monica Lind, Anna Bornefalk Hermansson*
- P-1-24-05 CIRCULATING LEVELS OF PCBs AND SEX HORMONES IN A POPULATION-BASED SAMPLE
Johanna Penell, Lars Lind, Tord Naessen, Jonas Bergquist, Mark M. Kushnir, Bert van Bavel, Samira Salihovic, P. Monica Lind*
- P-1-24-06 Comparison of Three VOC Measurement Techniques for tVOC Monitoring Regulated by Taiwan EPA in Indoor Air Quality
Huey-Jen Su, Chia-Wei Lee, Chien-Cheng Jung, Nai-Yun Hsu, Chih-Hsiang Yang, Chien-Lin Huang, Cheng-Tao Wang, Tsung-Kuan A Chou, Li-Peng Wang*
- P-1-24-07 Cross-sectional analysis of bisphenol A with blood pressure among children
Ellen Wells, Leila W. Jackson, Michaela B. Koontz*
- P-1-24-08 Development and Application of Simple Pharmacokinetic Models to Study Human Exposure to Di-n-butyl phthalate (DnBP) and diisobutyl phthalate (DiBP)
Matthew Lorber, Holger M. Koch*
- P-1-24-09 EMERGING POLLUTANTS: ENVIRONMENTAL IMPACT OF DISPOSAL OF DRUGS
Gilmar Sidnei Erzinger, Luciano Henrique Pinto, Lineu Fernando Del Ciampo, Luana Soares Schuller, Rafaela Sierth Sierth, Marcela Cristina Fausto Teixeira, Heloisa Biff, Bianca Ramos Pezzini*
- P-1-24-10 Estimating and Evaluating the Total Exposure of German Children to Di(2-ethylhexyl) phthalate (DEHP) and Di-isononyl phthalate (DINP)
Astrid Heiland, Gerhard Heinemeyer, Christine Sommerfeld, André Conrad*
- P-1-24-11 Evaluating a County-based Healthy Nail Salon Recognition Program
Thu Quach, Erika Garcia, Swati Sharma, Michelle Pierce, Sushma Bhatia, Sania Tong Argao, Kim Hoang*
- P-1-24-12 Exploring the Untapped Potential of the „Ranch Hand“ Data and Biospecimens
*David Butler**
- P-1-24-13 Exposure to Polychlorinated Biphenyls and Cognition in Older U.S. Adults: National Health and Nutrition Examination Survey (1999-2002)
Maryse F Bouchard, Oulhote Youssef, Sagiv Sharon, Dave Saint-Amour, Jennifer Weuve*
- P-1-24-14 Formaldehyde emissions from a LIFE reference: emission parameters and factorial studies
Wenjuan Wei, Cynthia Howard-Reed, Andrew Persily, Yinping Zhang*
- P-1-24-15 Levels of PAHs and PAH-DNA Adducts in Placental Tissue and the Risk of Fetal Neural Tube Defects
Aiguo Ren, Yue Yuan, Xinghua Qiu, Lei Jin, Tong Zhu, Zhiwen Li, Le Zhang*
- P-1-24-16 Measuring phthalate concentrations in skin surface lipids
Mengyan Gong, Charles Weschler, Yinping Zhang*
- P-1-24-17 New device of measuring volatile organic compounds emission from partial human skin
*Xiao Sun**
- P-1-24-18 Occupational Exposures Measured in a Food Flavoring Manufacturing Facility
Heather Bolstad, Dana Hollins, Christopher Ronk, Amina Foda, Rebecca Ward, Megan Jacobsen, Dennis Paustenbach*
- P-1-24-19 Polychlorinated biphenyl concentrations in adipose tissue and abdominal obesity in the elderly
Elvira V. Bräuner, Ole Raaschou-Nielsen, Zorana Jovanovic Andersen, Jytte Halkjær, Anne Tjønneland, Steffen Loft*
- P-1-24-20 Prenatal and postnatal exposure to phthalate esters and asthma: an eight-year birth cohort study
Hsiu Ying Ku, Shu-Li Wang, Pen Hua Su, Chien Jen Wang, Pao Chi Liao, Hsiao-Yen Chen*

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- P-1-24-21 Prenatal exposure to DDE and lower respiratory tract outcomes among boys from a highly exposed area of Mexico
Matthew Longnecker, Efrain Terrazas-Medina, Mauricio Hernández-Avila*
- P-1-24-22 Prenatal Exposure to Organochlorines and Adolescent Behavior
*Keane Tzong, Katrina Kezios, Piera Cirillio, Xinhua Liu, Katherine Keyes, Myrto Petreas, June-Soo Park, Ezra Susser, Barbara Cohn, Pam Factor-Litvak**
- P-1-24-23 Prenatal exposure to perfluorinated chemicals and attention deficit/hyperactivity symptoms in children at 7 years of age
Jia-Shian Shiu, Chen Mei-Huei, Guo Yueliang Leon, Chen Pau-Chung*
- P-1-24-24 Prenatal Exposure to 11 Perfluorinated Compounds (PFCs) and infant weight in the Hokkaido Study on Environmental and Children's Health
Ikuko Kashino, Emiko Okada, Seiko Sasaki, Chihiro Miyashita, Tamiko Ikeno, Atsuko Araki, Jun Yamamoto, Hideyuki Matsuura, Toru Matsumura, Akiko Tamakoshi, Reiko Kishi*
- P-1-24-25 Prenatal exposures to phenols and postnatal growth in boys during the three first years of life.
Claire Philippiat, Jérémie Botton, Antonia M. Calafat, Xiaoyun Ye, Marie-Aline Charles, Rémy Slama*
- P-1-24-26 Sexually-Dimorphic Associations of Prenatal Phthalate Exposure and Neurobehavioral Development in 6-10 Year Olds
Roni Kobrosly, Sarah Evans, Amir Miodovnik, Emily Barrett, Sally Thurston, Antonia M. Calafat, Shanna Swan*
- P-1-24-27 The German Environmental Specimen Bank: Human Exposure to Perfluoroalkyl Substances – Time Trends and Inter-individual Variation
*Christa Schröter-Kermani, André Conrad**
- P-1-24-28 Urinary metabolites of organophosphate and pyrethroid pesticides and behavioral problems in children from the general Canadian population
Youssef Oulhote, Bouchard Maryse*
- P-1-24-29 Validity and reliability of second-to-fourth digit ratio determinations in adult males
Rhena Delport, Johan Venter, Christiaan de Jager, Piet Becker, Riana Bornman*
- P-1-24-30 Relationship of urinary concentrations of 9 phthalate metabolites with serum thyroid hormones in pregnant women and their newborns in Taiwan
*Chia-Fang Wu, Po-Chin Huang**

25 DIABETES AND OBESITY

- P-1-25-01 Air Pollution Exposure and Type-2 Diabetes Prevalence and Severity
Ying-Ying Meng, Susan Babey, Melissa Pickett, Joelle Wolstein*
- P-1-25-02 Associations between persistent organic pollutants and insulin resistance in a highly exposed population from Arctic Quebec (Canada)
Beatriz Valera, Eric Dewailly, Renee Dallaire, Pierre Ayotte, Eladhji Anassour-Laouan-Sidi, Paul Poirier*
- P-1-25-03 Associations between plasma persistent organic pollutants and type II diabetes in Canadians: a nationally representative, cross-sectional study.
*G. Lee Grenon, Scott A. Lear, Tim K. Takaro, Scott A. Venners**
- P-1-25-04 Differential association of industry and traffic related particulate matter with the incidence of type 2 diabetes in the Ruhr area, Germany
Gudrun Weinmayr, Frauke Hennig, Kateryna Fuks, Susanne Moebus, Michael Nonnemacher, Hermann Jakobs, Stefan Möhlenkamp, Raimund Erbel, Karl-Heinz Jöckel, Barbara Hoffmann, on behalf of the Heinz Nixdorf Recall Investigator Group*
- P-1-25-05 Dose response relationship between arsenic exposure from drinking water and Diabetes mellitus in high and low-to-moderate exposed area in Taiwan
Ling-I Hsu, Hung-Yi Chiou, Chien-Jen Chen*
- P-1-25-06 Ecological association between diabetes hospital discharges and air pollution in Italian provinces
Maddalena D Addario, Paolo Villari, Angelo Giuseppe Solimini*
- P-1-25-07 Environmental Exposure to Polycyclic Aromatic Hydrocarbons and Benzene and Insulin Resistance in Elderly Adults
Yoon-Hyeong Choi, Jin Hee Kim, Yun Chul Hong*

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- P-1-25-08 Higher prevalence of Diabetes Mellitus related to higher serum dioxin level in an endemic area of dioxin exposure in southern Taiwan
Chien-Yuan Huang, Guo How-Ran*
- P-1-25-09 IMPACT OF HOUSEHOLD COOKING FUELS ON GENDER-SPECIFIC ADULT TUBERCULOSIS AND DIABETES IN INDIA: A CROSS-SECTIONAL SURVEY
Harish C. Phuleria, V Chandrasekaran, Soumya Swaminathan, Nicole Probst-Hensch*
- P-1-25-10 Incidence of type 2 diabetes mellitus in a population chronically exposed to arsenic.
Jose Guillermo Alonso Arvizu, Maria Alejandra Pila Villalobos, Ruth Araceli De Celis Carrillo*
- P-1-25-11 Insulin Resistance is Associated with Urinary Formaldehyde Levels in the Elderly
Hyemi Lee, Hye-Yin Park, Youn-Hee Lim, Yoon-Hyeong Choi, Jin Hee Kim, Yun Chul Hong*
- P-1-25-12 Physical inactivity, ambient air pollution and obesity in the United States
Jennifer Roberts, Jameson Voss, Brandon Knight*
- P-1-25-13 PM2.5 exposure and incident diabetes and hypertension: Preliminary results from the Black Women's Health Study
Patricia Coogan, Laura White, Michael Jerrett, Bernardo S. Beckerman, Jeffrey Yu, Robert Brook, Richard T. Burnett, Edmund Seto, Lynn Rosenberg*
- P-1-25-14 PRESENCE OF THE ALA ALLELE IN THE PPAR-GAMMA GENE IS NOT PROTECTIVE AGAINST RISK OF IMPAIRED GLUCOSE METABOLISM ASSOCIATED WITH POP EXPOSURE
Riikka Airaksinen, Panu Rantakokko, Johan G Eriksson, Clive Osmond, Eero Kajantie, Hannu Kiviranta*
- P-1-25-15 Systemic Study on Association between Dioxin and Risk of Diabetes
Fung-Chang Sung, Chung-Fen Lin, Min-Hei Su, Wen-Chao Ho, Jin-Hua Chen*
- P-1-25-16 The impact of air pollution on respiratory health among diabetes and non-diabetes subject in Pune, India
Morteza Khafaie, Behzad Khafaie, Sundeep S. Salvi, Ajay Ojha, Chittaranjan S. Jaynik*
- P-1-25-17 The impact of diabetic HbA1c exam on the occurrence of chronic kidney disease in type 2 diabetic patients
Pi-I Li, Chih-Ching Chang*
- P-1-25-18 To log-transform or not to log-transform: Regression on log-normal data, in models with abdominal adiposity as predictor for inflammation and insulin resistance
Sara Gustavsson, Björn Fagerberg, Gerd Sallsten, Eva Andersson*
- P-1-25-19 Vascular Nitric Oxide Production in Diabetics and Controls Following Acute Traffic Pollution Exposure
Ashley Petit, Howard Kipen, Pamela Ohman-Strickland, Robert Laumbach, Andrew Gow*
- P-1-25-20 Vitamin C supplementation protect from adverse effects of perfluorinated compounds on insulin resistance in the elderly: Community-based clinical trial
Jin Hee Kim, Hye-Yin Park, Jung Dae Jeon, Young Lim Kho, Seung-Kyu Kim, Min-Seon Park, Yun Chul Hong*

28 MENTAL HEALTH

- P-1-28-01 A Follow-up Study on Mental Health of Residents in High Exposed Area After 4 Years of the Hebei Spirit Oil Spill
Eun Kyoung Yang, Yong Jin Jeon, Su Ryeon Noh, Gwi Heum Eom, Hyun Sook Bae, Jung Ah Kim, Young-Hyun Choi, Mina Ha, Hae-Kwan Cheong*
- P-1-28-02 Addressing Urban Health Challenges by Transdisciplinary Research and Practice
Roderick John Lawrence, Joris Zufferey*
- P-1-28-03 Alcohol training and alcohol habits of the medical students
*Maria Fiore, Giovanni Battista Modonutti, Elena Sentina, Vito Margherita, Fulvio Costantinides, Luca Leon, Margherita Ferrante**
- P-1-28-04 BURNOUT AMONG CORRECTIONAL OFFICERS IN BULGARIA
*Stanislava Harizanova, Tanya Turnovska**
- P-1-28-05 COMBINED APPLICATIONS OF LEAN MANUFACTURING AND OSH IN LEATHER MANUFACTURING PROCESSES
Surianarayanan Mahadevan, Simon Thomas, Kalpana Balakrishnan, Asit Baran Mandal*

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- P-1-28-06 Comparison of environmental determinants for self-perceived health symptoms between seniors aged 60 years or older in urban and rural areas of South Korea
Ara Jung, Yongbae Kim, Kiyoun Lee, Yoon-Hyeong Choi, Hongsoo Kim, Yun-Chul Hong, Sungroul Kim*
- P-1-28-07 ENVIRONMENTAL CONTAMINANTS AND FISH CONSUMPTION IN RELATION TO DEPRESSIVE EPISODES
Anna Liisa Suominen, Siru Wilsman, Timo Lanki, Pia K Verkasalo, Anu W Turunen*
- P-1-28-08 ENVIRONMENTAL SERVICES AND MULTIPLE HEALTH DISADVANTAGE IN DEPRIVED URBAN NEIGHBOURHOODS OF ILORIN, NIGERIA
*Adebimpe Usman Raheem**
- P-1-28-09 Examining the relationships between work-related stress and depression for nursing students by using saliva cortisol as a biological indicator
Pei-Chih Wu, Ching-Chao Ju, Hui-chun Tsuang*
- P-1-28-10 Health and quality of life of people living near a chemical industrial area
*Côme Daniau, Carole Salvio, Vèrène Wagner, Bénédicte Berat, Morgane Stempfelet, Florence Kermarec, Christine Ricoux, Pascal Empereur-Bissonnet, William Dab, Mathilde Pascal**
- P-1-28-11 Mental Health in Residents 1.5 Years After the Hebei Spirit Oil Spill
Eun Kyoung Yang, Yong Jin Jeon, Jung Nam Sohn, Su Ryeon Noh, Gwi Heum Eom, Hyun Sook Bae, Jung Ah Kim, Young-Hyun Choi, Mina Ha, Hae-Kwan Cheong*
- P-1-28-12 Occupational Exposure and adverse health effects to Dermal Nicotine for Thai Traditional Tobacco Farmers in Nan Province, Northern Thailand
Thanusin Saleeon, Wattasit Siri Wong, Thomas A. Arcury, Mark Gregory Robson*
- P-1-28-13 Perceived neighborhood environment and adults health in three Tunisian cities
Khaled Hassine, Thouraya Annabi Attia, Ghazlane Fleury-Bahi*
- P-1-28-14 Percepción Social del Riesgo Químico – Tecnológico: Una mirada desde los actores locales
Georgina Vega Fregoso, Silvia Graciela Leon Cortes, María Guadalupe Garibay-Chávez*
- P-1-28-15 PESTICIDES, DEPRESSION AND SUICIDE: A SYSTEMATIC REVIEW OF THE EPIDEMIOLOGICAL EVIDENCE
Carmen Freire, Sergio Koifman*
- P-1-28-16 Prevalence and risk factors of Post-Traumatic Stress Disorder in children and adolescents after the 2012 earthquake affecting the Emilia Romagna Region (Italy)
*Elena Righi, Barbara Forresi, Francesco Soncini, Cinzia Del Giovane, Roberto D'Amico, Ernesto Caffo, Gugliemina Fantuzzi, Gabriella Aggazzotti**
- P-1-28-17 Psychological burdens on developing process of idiopathic environmental intolerance among patients
Hirata Mamoru, Yoshida Tatsuo*
- P-1-28-18 Psychosomatic and social factors in breast cancer
Lilia Patricia Bustamante-Montes, María Hernández-Valero, Patricia Borja-Bustamante, Erendira FloresMeza, Miguel Ángel Karam-Calderón, Martha Campuzano-González*
- P-1-28-19 Relationship between housing quality and maternal stress in a prospective birth cohort
Whitney Cowell, Julie Herbstman, Virginia Rauh, Lori Hoepner, Frederica Perera, Robin Whyatt*
- P-1-28-20 The effects of varying social contexts on growing geographical inequalities in suicide in Japan: a multilevel analysis from 1975 to 2005
Etsuji Suzuki, Saori Kashima, Ichiro Kawachi, S. V. Subramanian*
- P-1-28-21 The environmental health risks at the surrounding area of touristic and hotel enterprises in Brazil.
Darluce Oliveira, Lirandina Gomes*
- P-1-28-22 Validating community stressors using individual data on perceived stress across New York City (NYC)
*Jessie Carr, Laura Kubzansky, Ogonnaya Dotson Newman, John D. Spengler, Peggy Shepard, Jane Clougherty**
- P-1-28-23 Work stress and related risk factors among high tech male workers in southern Taiwan
Chien-Yuan Huang, How-Ran Guo*

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32 POLICY

- P-1-32-01 Accounting for complex environmental exposure situations: a classification approach
Benoît Lalloué, Jean-Marie Monnez, Cindy Padilla, Wahida Kihal, Denis Zmirou-Navier, Séverine Deguen*
- P-1-32-02 Benchmarking Indoor Environmental Quality (IEQ) in Air-conditioned University Classrooms
Mui Kwok Wai, C T Cheung, L T Wong*
- P-1-32-03 Bringing assessments from committees to research communities: a perspective
Alena Bartonova, Aleksandra Fucic, Hans Keune, Arno Gutleb, Peter van den Hazel, Janna Koppe, the HENVINET consortium <http://www.henvinet.eu>*
- P-1-32-04 Challenges and Opportunities for Urban Environmental Health and Sustainability: HEALTHY-POLIS
Keith Dear, Sotiris Vardoulakis*
- P-1-32-05 Change of cooling appliance usage of elderlies: Before and after the Fukushima nuclear power plant accident
Emiko Minakuchi, Kouichi Nakazawa, Momoko Kayaba, Masahide Kondo, Yasushi Honda*
- P-1-32-06 Childhood exposure to DEHP, DBP and BBP under existing chemical management systems: A comparative study of sources to aggregate exposure in Korea and in Denmark
Jihyun Lee, Jong-Hyeon Lee, Chan-Kook Kim, Marianne Thomsen*
- P-1-32-07 Comparing Fracking Policies between Maryland and New York
*David F Goldsmith**
- P-1-32-08 Determinants of bicycle commuting propensity: findings from a questionnaire-based investigation in Barcelona, Spain
Thomas Cole-Hunter, David Donaire-Gonzalez, Ariadna Curto, Michelle A Mendez, Judith Garcia Aymerich, Michael Jerrett, Daniel Rodriguez, Audrey de Nazelle, Mark J Nieuwenhuijsen*
- P-1-32-09 Effect of Improving Air Quality in Seoul Metropolitan Area in 2024 By Health Risk Analysis
Jong-Han Leem, Hwan-Cheol Kim, Ji Young Woolee*
- P-1-32-10 Emerging Chemical Management Issues: Prioritization of ECMLs for developing countries and countries with economies in transition
Henk Bouwman, Ming Hung Wong, Ricardo Barra, Lev Neretin, Christine Wellington-Moore, Margarita Dyubanova*
- P-1-32-11 Epidemiology to bridge science and policy in areas with environmental pressures
Liliana Cori, Sabina De Rosís, Fabrizio Bianchi*
- P-1-32-12 From environmental epidemiology to action for climate and health: the potential of participatory system dynamics modelling
Alexandra Macmillan, Michael Davies, Alistair Woodward, Jennie Connor, David Rees, Karen Witten, Robin Kearns, Clive Shrubsole, Neil May*
- P-1-32-13 Improvements in Air Quality Due to Goods Movement Policies in California
Ying-Ying Meng, Michael Jerrett, Jason Su, Melissa Pickett, Edmund Seto, Beate Ritz*
- P-1-32-14 Making sense of climate change exposure and risk in South Australia: A case study of public construals.
Scott Hanson-Easey, Peng Bi*
- P-1-32-15 Managing the Health Effects of Temperature in Response to Climate Change: Challenges Ahead
Cunrui Huang, Adrian Barnett, Zhiwei Xu, Cordia Chu, Xiaoming Wang, Lyle Turner, Shilu Tong*
- P-1-32-16 MODELLING RISK FOR PRIORITISATION OF INTERVENTIONS FOR ENVIRONMENTAL HAZARDS TO HUMAN HEALTH USING MULTI CRITERIA DECISION ANALYSIS
Mae Woods, Rebecca Close, Mike Studden, Helen Crabbe, Giovanni Leonardi, Zaid Chalabi*
- P-1-32-17 Online energy balance tool to assess health impacts of climate policies in cities – case EU (Kuopio, Stuttgart) and China (Suzhou)
Jouni T. Tuomisto, Sandra Torras Ortiz, Marjo Niittynen*

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- P-1-32-18 Rethinking the relationship between expert and local knowledge: Toward a multi-type approach
Maya Negev, Nadav Davidovitch*
- P-1-32-19 Serum Chemokines and Changes in Air Pollution Levels during the Beijing Olympics
*Li Yanli, Matthew Bonner, Richard Browne, Furong Deng, Junfeng Zhang, Jicheng Gong, Kate RittenhouseOlson, Jingjing Yin, Lili Tian, Lina Mu**
- P-1-32-20 The Navigation Guide – Evidence-Based Medicine Meets Environmental Health: PFOA and Fetal Growth
Paula Johnson, Patrice Sutton, Dylan Atchley, Erica Koustas, Juleen Lam, Saunak Sen, Karen Robinson, Daniel Axelrad, Tracey Woodruff*
- P-1-32-21 The relationship of Ventilation rate and pollution concentration in typical offices in Beijing
Kelin Li, Xiaofeng Li*
- P-1-32-22 UFireg project: Ultrafine Particles – an evidence based contribution to the development of regional and European environmental and health policy
Josef Cyrus, Stefanie Lanzinger, Regina Rückerl, Susanne Breitrner, Alexandra Schneider, Annette Peters, Susanne Bastian, Dörte Pippel*
- P-1-32-23 Update to the U.S. EPA's Guidelines for Human Exposure Assessment
Nicolas S. Tulve, Marian Olsen, Michael Broder*

33 REPRODUCTIVE HEALTH

- P-1-33-01 Human-Biomonitoring of N-acetyl-4-aminophenol (paracetamol/acetaminophen) – the major metabolite of aniline
Hendrik Modick, Andre Schutze, Claudia Pälme, Tobias Weiß, Thomas Brüning, Holger M. Koch*
- P-1-33-02 Parent and Peer Communications on Sexual and Reproductive Health Issues are Independently Associated with Contraceptive Method Awareness of Female Students
Yohannes A. Melaku, Hailemariam Reda*
- P-1-33-03 Physiological and Behavioral Changes in Pregnant and Lactating Women and Relevant Data on Exposure Factors
Jacqueline Moya, Linda Phillips*
- P-1-33-04 Prevalence and determinants of low birth weight and prematurity among rural, urban, and indigenous tribal communities in India.
Pinaki Panigrahi, Bijaya Kumar Padhi, Leslie Elliott*
- P-1-33-05 Temporal and spatial trends of precocious puberty in France: a feasibility study
Annabel Rigou, Jean-Claude Carel, Juliane Léger, Alain Le Tertre, Joëlle Le Moal*
- P-1-33-06 Urinary Concentrations of Environmental Phenols in Pregnant Women in the National Children's Study
Mary Mortensen, Antonia M. Calafat, Xiaoyun Ye, Lee-Yang Wong, David Wright, James Pirkle, Lori Merrill, Michael Dellarco, John Moye*
- P-1-33-07 Risk of hypertensive disorders and pesticide exposure during pregnancy
Caterina Ledda, Margherita Ferrante, Alfredo Busà, Maria Fiore, Placido D'Agati, Chiara Copat*

14:00–15:30 S-1-18 **NEW WHO INDOOR AIR QUALITY GUIDELINES FOR HOUSEHOLD FUEL COMBUSTION: METHODS, NEW EVIDENCE AND PLANS FOR IMPLEMENTATION** San Francisco

Chair(s): Bruce Nigel, Aaron J. Cohen

- S-1-18-01 Impacts of Improved Cooking Stoves (ICS) on Household Air Pollution (HAP) Concentrations and Personal Exposure
Daniel Pope, Eva Rehfuess, Kirstie Jagoe, Mukesh Dherani, Nigel Bruce*
- S-1-18-02 Implementing the recommendations of the WHO Indoor air quality guidelines to address household air pollution: a country perspective from India
Kalpna Balakrishnan, Sankar Sambandam, Santu Ghosh, Thangavel Guruswamy, Krishnendu Mukhopadhyay, Vidhya Venugopal*
- S-1-18-03 Linking stove performance and policy: the emissions model
Michael Johnson, Rufus Edwards, Lidia Morawska, Mark Nicas, Kirk R. Smith*
- S-1-18-04 Policy implications of new exposure-response evidence
Kirk R. Smith, Aaron J. Cohen, Nigel Bruce*

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	S-1-18-05	Rationale and methods for new WHO indoor air quality guidelines: household fuel combustion <i>Eva Rehfuess*, Adair-Rohani Heather, Annette Pruss-Ustun, Carlos Dora, Nigel Bruce</i>	
14:00–15:30	S-1-19	HEALTH IMPACTS OF CLIMATE CHANGE MITIGATION POLICIES IN URBAN AREAS Chair(s): Michael Depledge, Matti Jantunen	Montreal
	S-1-19-01	Climate change and health in urban areas – an integrated methodology <i>Clive Sabel*</i>	
	S-1-19-02	Co-benefits of climate change mitigation policies on health: a case study in Suzhou City, China <i>Haikun Wang*, Miaomiao Liu, Jun Bi, Clive Sabel</i>	
	S-1-19-03	Health effects of CO ₂ reduction measures by road traffic in Xi'an, Basel and Rotterdam <i>Menno Keuken*, Sander Jonkers, Sander Schaminée, Clive Sabel, Hongshuang Lau, Junhan Liu, Xiaochuan Pan, Laura Perez, Stephan Trüeb, Willem-Jan Okkerse</i>	
	S-1-19-04	Proximity to traffic, health and wellbeing: comparing impacts and benefits of climate change-related policies in Basel. <i>Laura Perez*, Stephan Trüeb, Martina S. Ragetti, Menno Keuken, Cosimo Todaro, Andrea von Känel, Franziska Schwager, Michael Redle, Clive Sabel, Nino Kuenzli</i>	
	S-1-19-05	The health impact of wood as domestic space heating in the city of Stuttgart <i>Sandra Torras Ortiz*, Tatjana Kampffmeyer, Rainer Friedrich</i>	
	S-1-19-06	The impact of urban climate change policies on health under financial crisis conditions – the city of Thessaloniki <i>Dimosthenis Sarigiannis*, Periklis Kontoroupi, Nikolaki Spyridoula, Spyros Karakitsios</i>	
14:00–15:30	O-1-20	PERSONAL EXPOSURE ASSESSMENT METHODS Chair(s): Anke Huss, Linda Hägerhed Engman	Sydney
	O-1-20-01	Children's Exposure to Extremely Low Frequency Magnetic Fields: A personal exposure measurement study. <i>Benjamin Struchen*, Ilaria Liorni, Marta Parazzini, Stephanie Gängler, Paolo Ravazzani, Martin Rössli</i>	
	O-1-20-02	Air quality and personal exposure in a middle-sized shipyard in Singapore <i>Zhenan Han*, Ailu Chen, Yaoxing Wu, Victor W.C. Chang</i>	
	O-1-20-03	Temporal associations of ambient concentrations of PM _{2.5} elemental composition with indoor and personal measurements <i>Denise Montagne*, Gerard Hoek, Mark J Nieuwenhuijsen, Timo Lanki, Meritxell Portella, Arto Pennanen, Tarja Yli-Tuomi, Marta Cirach Pradas, Marloes Eeftens, Bert Brunekreef</i>	
	O-1-20-04	Reconstruction of daily average PM _{2.5} exposures in pregnant women: Preliminary results from the SICAPHE study <i>Naveen Puttaswamy*, Sudhakar Saidam, Srinivasan Natarajan, Rengaraj Siva, Sathish Madhav, Krishnendu Mukhopadhyay, Sankar Sambandam, Kalpana Balakrishnan</i>	
	O-1-20-05	Indoor/outdoor exposure profiles of gaseous Polycyclic Aromatic Hydrocarbons (PAHs) in a semi arid region of India <i>Amit Masih, Ajay Taneja*</i>	
	O-1-20-06	Associations between Personal Exposure to Airborne Manganese and Biomarkers of Internal Manganese Dose among Children in Northern Italy <i>Hsiao-Hsien Leon Hsu*, Robert O. Wright, Brent A. Coull, Stefano Guazzetti, Filippo Donna, Donald Smith, Elza Bontempi, Roberto Lucchini</i>	
14:00–15:30	S-1-21	INTRA-INDIVIDUAL AND POPULATION VARIABILITY IN BIOMARKER CONCENTRATIONS: SOURCES, IMPLICATIONS, AND APPROACHES Chair(s): Roel Smolders, Lesa Aylward	Singapore
	S-1-21-01	A simple software tool for exploring sources of variability in biomarker concentrations for use in design and interpretation of biomonitoring studies <i>Nicholas Warren*, John Cocker, Katherine Jones, A. Lamb, Sean Hays, Lesa Aylward, Christopher Kirman, Len Levy, Ruth Bevan, Holger M. Koch, Roel Smolders</i>	
	S-1-21-02	An age-specific urine flow model to estimate daily bisphenol A exposure in Australian children <i>Amy Heffernan*, G. Eaglesham, Peter Hobson, Leisa-Maree Toms, Lesa Aylward, Peter Sly, Jochen Mueller</i>	

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S-1-21-03	Urinary flow rate data from NHANES: Population variation and applications in interpretation of urinary biomarkers <i>Rey Decastro, Lesa Aylward, Benjamin Blount*, Sean Hays</i>	
S-1-21-04	Variability of Organophosphorous Pesticide Metabolite Levels in Spot and 24-hr Urine Samples Collected from Young Children during 1 Week <i>Asa Bradman, Katherine Kogut, Ellen A. Eisen, Nicholas Jewell, Lesliam Quiros-Alcala, Rosemary Castorina, Jonathan Chevrier, Nina Holland, Dana Boyd Barr, Geri Kavanaugh-Baird, Brenda Eskenazi*</i>	
S-1-21-05	Variation in multiple analytes in spot urinary samples collected across one week: influence of personal care product use <i>Holger M. Koch*, Nicholas Warren, John Cocker, Katherine Jones, Sean Hays, Lesa Aylward, Christopher Kirman, Len Levy, Ruth Bevan, Roel Smolders</i>	
14:00–15:30	O-1-22 AIR POLLUTION AND RESPIRATORY HEALTH Chair(s): Elisabeth Zemp, Tamara Schikowski	Osaka / Samarkand
O-1-22-01	Short-Term Exposure to Air Pollution and Lung Function in the Framingham Heart Study <i>Mary B. Rice*, Petter L. Ljungman, Elissa Wilker, Diane R. Gold, Joel D. Schwartz, Petros Koutrakis, George R. Washko, George T. O'Connor, Murray A. Mittleman</i>	
O-1-22-02	Associations Between Particulate Matter Constituents And Early-Life Pneumonia In Seven Birth Cohorts: Results From The TRANSPHORM Project <i>Elaine Fuertes*, Elaine MacIntyre, Ulrike Gehring, Olena Gruzjeva, Claudia Klümper, Anna Mölter, Göran Pershagen, Daniela Porta, Marta C. Pradas, Joachim Heinrich</i>	
O-1-22-03	Impact of air pollution on cystic fibrosis pulmonary exacerbations: a case-crossover analysis <i>Pieter Goeminne, Michal Kicinski, Francois Vermeulen, Frans Fierens, Kristiane De Boeck, Benoit Nemery, Tim S. Nawrot*, Lieven J. Dupont</i>	
O-1-22-04	Children respiratory health in relation to indoor air quality in schools <i>Liliia Petruk*, Olena Turos, Liudmyla Mykhina</i>	
O-1-22-05	Serum levels of Clara cell protein and short- and long-term exposure to particulate air pollution in adolescents <i>Eline Provost*, Agnès Chaumont, Michal Kicinski, Bianca Cox, Frans Fierens, Alfred Bernard, Tim S. Nawrot</i>	
O-1-22-06	Statistical methods for airway and alveolar nitric oxide in environmental epidemiology <i>Sandrah Eckel*, Kiros Berhane, William Linn, Muhammad Salam, Edward Rappaport, Theresa Bastain, Frank Gilliland</i>	
14:00–15:30	O-1-23 DRINKING WATER Chair(s): Jaymie Meliker, Mireille Toledano	Rio
O-1-23-01	Human Exposure Assessment using Drinking-Water and Urinary Trihalomethanes Concentrations in Two Areas with Contrasting Urban Pipe Network Characteristics <i>Pantelis Charisiadis*, George Christodoulou, Konstantinos C. Makris</i>	
O-1-23-02	Disinfection By-Products and Bladder Cancer in a Case-control Study in New England <i>Laura Beane Freeman*, Kenneth P. Cantor, Dalsu Baris, John R. Nukcols, Karla Armenti, Chris Paulu, Alison Johnson, Jay H. Lubin, Margaret Karagas</i>	
O-1-23-03	Water resources in a changing climate: Gastrointestinal illness as a sentinel for water quality <i>Tim K. Takaro*, Lindsay Galway, Diana Allen</i>	
O-1-23-04	Making Sanitation a Clean Habit: A School Sanitation Project in India <i>Bhupali Mhaskar*</i>	
O-1-23-05	Environmental Impact on Human Health: The Association between Drinking Water Quality and Teeth Decay in School Children in South Kalimantan Province, Indonesia <i>Tintin Farihatini*, Peter Davey, Patricia Dale, Newell Johnson</i>	
O-1-23-06	Predictors of mercury (Hg) exposure in breast-fed infants <i>Iman Al-Saleh*, Mai Abduljabbar, Reem Al-Rouqi</i>	
14:00–15:30	S-1-24 ENGINEERED NANOMATERIALS: CURRENT UNDERSTANDING ON EXPOSURE AND POTENTIAL HEALTH EFFECTS Chair(s): Srikanth Nadadur, Mary Wolff	Boston
S-1-24-01	Epidemiological research on engineered nanomaterials: knowledge and needs <i>Mary Wolff*, Mary Schauer-Berigan, Matt Dahm, Mohana Roy, Andrea Rothenberg, Barbara Brenner, Elizabeth Whelan, Laura Hodson</i>	

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- S-1-24-02 Measurements of environmental nanomaterial in London and the UK
*David Green**
- S-1-24-03 Dysregulation of Macrophage Function by Engineered Nanomaterials- Potential For Toxicity?
Brian Thrall, Vamsi Kodali, Susanne Turner, Justin Teeguarden, Donald Baer, Joelle Pounds*
- S-1-24-04 Nanotechnology Environmental Health and Safety Research Efforts: The need for Multidisciplinary Consortia Approaches
Srikanth Nadadur, David Balshaw*
- S-1-24-05 Quantitative Structure Activity Relationship Modeling to predict biological effects of ENMs
*Donatello Telesca**

14:00–15:30 O-1-25 **HEALTH RELATED QUALITY OF LIFE** Shanghai
includes ethics talk (e*)
Chair(s): Man Pun Wan, Daniela Fecht

- O-1-25-01 Well-being as outcome for health monitoring in environmental epidemiology
Jutta Lindert, Paul Bain*
- O-1-25-02 Investigation on the thermal comfort requirement of sleeping people
*Lan Li**
- O-1-25-03 Effect of multivitamin supplementation on employees' sick building syndrome frequencies in Jakarta, Indonesia
Budi Haryanto, Ratu Ayu Dewi Sartika*
- O-1-25-04 Building-Related Symptoms and Characteristics in a Sensitive Multiple-Use Complex
Tee L. Guidotti, David Lukco, Don Franklin, Allan Burt, Tee L. Guidotti*
- O-1-25-05 Modeling of indoor air particles with resuspension for an occupied commercial building
Kyung Sul, James Farnsworth, Andrea Ferro*
- O-1-25-06 The Public's Health: Right or Means to Gross National Happiness? (e*)
*Raymond Neutra**

14:00–15:30 O-1-26 **DIABETES** Kairo
Chair(s): Alain-Claude Roudot, Shariful Islam

- O-1-26-01 Effects of Beta-Hexachlorocyclohexane on Diabetes and Blood Concentration of Lipids
Silvia Narduzzi, Daniela Porta, Fiorella Fantini, Francesco Blasetti, Roberta Turci, Claudio Minoia, Francesco Forastiere*
- O-1-26-02 Risk of Incident Diabetes in Relation to Long-term Exposure to Fine Particulate Matter in Ontario, Canada
Hong Chen, Richard T. Burnett, Jeffrey Kwong, Paul J Villeneuve, Mark Goldberg, Robert Brook, Aaron van Donkelaar, Michael Jerrett, Randall V. Martin, Jeffrey Brook, Ray Copes*
- O-1-26-03 Exposure to biomass fuels and diabetes in a rural population in South India, 2013
Prabhdeep Kaur, Grace Chitra, Sudha Ramachandra Rao, Elavarasu Govindsamy, Kanagasabai Kaliaperumal*
- O-1-26-04 Maternal smoking during pregnancy and daughters' risk of gestational diabetes and obesity
Kristina Mattsson, Karin Källén, Matthew Longnecker, Anna Rignell-Hydbom, Lars Rylander*
- O-1-26-05 Interactive Effects between Air Temperature and PM_{2.5} on Endothelial Function in Diabetic Individuals
Stefanie Lanzinger, Susanne Breitner, Lucas M. Neas, Wayne E. Cascio, Alan Hinderliter, Annette Peters, Robert B. Devlin, Alexandra Schneider*
- O-1-26-06 Longitudinal Assessment of Associations between Residential Traffic Exposure and Type 2 Diabetes (T2D) Development and Progression
Christine Rioux, Katherine L. Tucker, Doug Brugge, Mkaya Mwamburi*

14:00–15:30 O-1-27 **NEURODEGENERATION** Delhi
Chair(s): Pam Factor-Litvak, Ivy Shiue

- O-1-27-01 Single Nucleotide Polymorphisms (SNPs) in MicroRNA Processing Genes and Susceptibility to Black Carbon Effects on Cognition in a Cohort of Older Men.
Elena Colicino, Giulia Giuliano, Melinda Power, Elissa Wilker, Pantel S. Vokonas, Avron Spiro III, Marc G Weisskopf, Joel D. Schwartz, Andrea A Baccarelli*

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	O-1-27-02	Traffic related air pollution in relation to cognitive function in the Whitehall II cohort <i>Cathryn Tonne*, Alexis Elbaz, Archana Singh-Manoux</i>	
	O-1-27-03	Environmental cadmium and lead exposures and age-related macular degeneration in US adults: the National Health and Nutrition Exam Survey, 2005 to 2008 <i>Erin Wickerham, Debra Schaumberg, Sung Kyun Park*</i>	
	O-1-27-04	Effects of acute diesel exhaust exposure on brain health: a controlled, blinded crossover study <i>Jason Curran*, Christopher Carlsten</i>	
	O-1-27-05	Particulate matter air pollution and risk of Multiple Sclerosis in a large study of female nurses. <i>Natalia Palacios*, Kathryn Fitzgerald, Jaime E. Hart, Cassandra Munger, Ascherio Alberto, Laden Francine</i>	
	O-1-27-06	Home use of Pesticides and Risk of Parkinson's Disease <i>Muhammad Farid Abdul-Rahman, Kathryn Taylor*, Melissa Perry, Marie-Helene Saint-Hilaire, Lewis Sudarsky, David K. Simon, Bonnie Hersh, Howard Hu, Marc G Weisskopf</i>	
14:00-15:30	O-1-28	MICROBIAL ENVIRONMENT Chair(s): Richard Shaughnessy, Kerry Kinney	Helvetia 1
	O-1-28-01	Farmers acquire antimicrobial resistant <i>Staphylococcus aureus</i> from pigs <i>Anne Oppliger*, Philippe Moreillon, Marlyse Giddey, Nicole Charrière, Delphine Morisset, Olga Sakwinska</i>	
	O-1-28-02	Effectiveness of Cleaning of Residual Contamination on High-Contact Surfaces and Relationship to Health of Students in Schools <i>Richard Shaughnessy*, Eugene Cole, Demetrios Moschandreas, Ulla Haverinen-Shaughnessy</i>	
	O-1-28-03	Use of pyrosequencing to assess bacterial diversity in green-renovated buildings <i>Eric Kettleson*, Kanistha Chatterjee, Chris Schaffer, Atin Adhikari, Sergey Grinshpun, Stephen Vesper, Tiina Reponen</i>	
	O-1-28-04	Volatil organic compounds : a way to detect fungal development in indoor environments <i>Stéphane Moularat, Marjorie Draghi*, Rukshala Anton, Enric Robine</i>	
	O-1-28-05	Interactions between indoor environmental conditions and indoor microbial ecology: Literature review and database development <i>Hal Levin*</i>	
	O-1-28-06	An early warning and response system for hand, foot and mouth Disease in China, 2011-2012 <i>Shengjie Lai*, Zhongjie Li, Honglong Zhang, Dan Zhao, Dinglun Zhou, Yajia Lan, David Buckeridge, Archie Clements, Wenbiao Hu, Weizhong Yang</i>	
14:00-15:30	S-1-29	PHthalate EXPOSURE AND MALE REPRODUCTIVE HEALTH: STATE OF THE EVIDENCE Chair(s): Jens Peter Bonde, Dick Heederik	Helvetia 2
	S-1-29-01	Effects of phthalate exposure on sex hormones among 2, 5, 8 and 11 year old children in Central Taiwan <i>Lillian Sie, Chia-Jui Chuang, Hsiao-Yen Chen, Chien-Wen Sun, Tsung-Ho Ying, Shu-Li Wang*</i>	
	S-1-29-02	Global Screening of Environmental Contaminants and Reproductive Function in Greenlandic and European Men Using Partial Least Squares Regression <i>Virissa Lenters*, Lützen Portengen, Lidwien A.M. Smit, Bo A.G. Jönsson, Aleksander Giwerman, Lars Rylander, Aldert H Piersma, Gunnar Toft, Jens Peter Bonde, Dick Heederik, Roel Vermeulen</i>	
	S-1-29-03	In Utero and Childhood Phthalate Exposure in Relation to Sexual Maturation in Boys <i>John D. Meeker*, Kelly K. Ferguson, Alejandra Cantoral Preciado, Karen E. Peterson, Martha Maria TellezRojo Solis</i>	
	S-1-29-04	Prenatal phthalate exposure is associated with human fetal Leydig cell function but not with cryptorchidism and hypospadias <i>Morten Søndergaard Jensen, Bent Nørgaard-Pedersen, Bo A.G. Jönsson, Jens Peter Bonde, David M. Hougaard, Arieh Cohen, Christian H. Lindh, Richard Iwll, Ravinder Anand-Iwll, Ane Marie Thulstrup, Gunnar Toft*</i>	
	S-1-29-05	Review of recent experimental evidence: phthalates and male reproductive endpoints <i>Aldert H Piersma*</i>	

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14:00–15:30	S-1-30	ARSENIC IN RICE: EXPOSURE AND HEALTH IMPACTS Chair(s): Claudia Thompson, Margaret Karagas	Helvetia 3-5
	S-1-30-01	Estimating early life exposure to arsenic via food and water <i>Kathryn Cottingham*, Tracy Punshon, Courtney Carignan, Vicki Sayarath, Brian Jackson, Vivien Taylor, Diane Gilbert-Diamond, Susan A. Korrick, Margaret Karagas</i>	
	S-1-30-02	Human exposure to inorganic arsenic through agronomic food chains <i>Andrew Meharg*</i>	
	S-1-30-03	International risk assessment on arsenic and management measures for rice <i>Angelika Tritscher*</i>	
	S-1-30-04	Urinary and dietary analysis of 18,470 Bangladeshis reveal a correlation of rice consumption with arsenic exposure and toxicity <i>Habibul Ahsan*</i>	
16:00–17:30	O-1-31	LONG TERM EFFECTS OF AIR POLLUTION, IN MEMORY OF MIKE LEBOWITZ Chair(s): Francesco Forastiere, Matti Jantunen	San Francisco
	O-1-31-01	Traffic-related air pollution and respiratory infections during early childhood: an analysis of seven European birth cohorts within the ESCAPE project <i>Elaina MacIntyre, Elaine Fuentes*, Anna Mölter, Ulrike Gehring, Claudia Klümper, Olena Gruzieva, Mireia Gascón, Daniela Porta, Göran Pershagen, Joachim Heinrich</i>	
	O-1-31-02	Air pollution and all-cause mortality in the Netherlands <i>Paul Fischer*, Marten Marra, Nicole Janssen, Guus Velders, Caroline Ameling, Wim Swart, Gerard Hoek, Kees de Hoogh, Oscar Breugelmans, Hanneke Kruize, Danny Houthuijs</i>	
	O-1-31-03	Incidence of Hypertension and Subsequent Mortality in Relation to Chronic Exposure to Fine Particulate Matter <i>Hong Chen*, Richard T. Burnett, Jeffrey Kwong, Paul J Villeneuve, Mark Goldberg, Robert Brook, Aaron van Donkelaar, Michael Jerrett, Randall V. Martin, Jeffrey Brook, Ray Copes</i>	
	O-1-31-04	Long-term exposure to ambient air pollution and incidence of cerebrovascular events – Results from eleven European cohorts within the ESCAPE Project <i>Massimo Stafoggia*, Giulia Cesaroni, Annette Peters, Francesco Forastiere, Cardiovascular working group Escape</i>	
	O-1-31-05	Mortality and morbidity in a population exposed to multiple sources of air pollution in Rome <i>Carla Ancona*, Chiara Badaloni, Francesca Mataloni, Andrea Bolignano, Simone Bucci, Giulia Cesaroni, Marina Davoli, Roberto Sozzi, Francesco Forastiere</i>	
	O-1-31-06	Interaction between long-term PM _{2.5} exposure and smoking status on mortality risk in the NIH-AARP Diet and Health Cohort <i>Ryan Shanley*, Richard Hayes, George Thurston, Kevin Cromar, Yongzhao Shao, Yikyung Park, Jiyoung Ahn</i>	
16:00–17:30	S-1-32	INTERNATIONAL WORKING GROUP FOR COORDINATION OF THE NEXT GENERATION OF LARGE SCALE BIRTH COHORTS OF CHILD HEALTH AND THE ENVIRONMENT: OVERVIEW, BRIEF HISTORY, AND HIGHLIGHTS OF PROGRESS Chair(s): André Conrad, Michihiro Kamijima	Montreal
	S-1-32-01	Harmonization in the National Children's Study <i>Steven Hirschfeld*</i>	
	S-1-32-02	Harmonization of Exposure Assessment Questionnaires in the Environment and Child Health International Birth Cohort Group <i>Marie-Aline Charles*, Cecile Zaros, Michael Dellarco</i>	
	S-1-32-03	Integrating Experience from Cross-sectional Studies and Biobanking in the Development of the Research Program for a Large-Scale Birth Cohort <i>Marika Kolossa-Gehring*</i>	
	S-1-32-04	Introduction to the Environment and Child Health International Birth Cohort Group: Overview, brief history and highlights of progress <i>Ruth Etzel*</i>	
	S-1-32-05	Introduction to the Shanghai Birth Cohort <i>Tian Ying, Xiaodan Yu, Jun Jim Zhang*</i>	
	S-1-32-06	Japan Environment and Children's Study <i>Shoji Nakayama*, Eisaku Toda, Hiroshi Nitta, Toshihiro Kawamoto</i>	

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16:00–17:30	S-1-33	EXPOSURE ASSESSMENT IN INDOOR AND OUTDOOR AIR POLLUTION AND ITS IMPACT ON HEALTH, IN MEMORY OF MANEL NEBOT AND CHRISTOPHE DECLERCQ Chair(s): Sylvia Medina, Ferran Ballester	Sydney
	S-1-33-01	Secondhand smoke exposure in Latin America: measuring air nicotine to advance smoke-free environments <i>Ana Navas-Acien*</i>	
	S-1-33-02	Biomass fuel and second hand smoke exposure among pregnant women from low and middle income countries <i>Muhammad Masood Kadir*, Sarah Saleem, Omrana Pasha</i>	
	S-1-33-03	Comparison of different geo-statistical methods to estimate exposure to air pollution in epidemiological studies <i>Marisa Estarlich*, Carmen Iñiguez, Ana Esplugues, Gerard Hoek, Ferran Ballester</i>	
	S-1-33-04	How to assess exposure to atmospheric pollutants in epidemiological studies? An illustration of some tradeoffs in the context of pregnancy exposures <i>Rémy Slama*, Marion Ouidir, Johanna LEPEULE, Lise Giorgis-Allemand, Sarah Lyon-Caen, Xavier Morelli, Valérie Siroux</i>	
	S-1-33-05	Chronic burden of near-roadway traffic pollution in 10 European cities <i>Laura Perez*, Christophe Declercq, Carmen Iñiguez, Sylvia Medina, Nino Kuenzli</i>	
16:00–17:30	O-1-34	BIOMARKERS OF EXPOSURE: HEALTH EFFECTS AND ENVIRONMENTAL SOURCES includes ethics talk (e*) Chair(s): Susan Teitelbaum, Elaine M Faustman	Singapore
	O-1-34-01	Relationship between Urinary Concentrations of Di (2-ethylhexyl) Phthalate (DEHP) Metabolites and Sex Steroid Hormones in PVC Operation Workers <i>Jer-Pei Fong*, Fang-Jin Lee, I-Syuan Lu, Shi-Nian Uang, Ching-Chang Lee</i>	
	O-1-34-02	Exposure to Spilled Oil Constituents and Oxidative Stress in Inhabitants 1.5 years After the Hebei Spirit Oil Spill <i>Su Ryeon Noh*, Jung Ah Kim, Gwi Heum Eom, Yong Jin Jeon, Hyun Sook Bae, Young-Hyun Choi, Mina Ha, HaeKwan Cheong</i>	
	O-1-34-03	Thermal receipt handling: an unrecognized source of dermal exposure to bisphenol A – a simulation crossover study <i>Shelley Ehrlich*, Olivier Humblet, Thomas J. Smith, Russ Hauser</i>	
	O-1-34-04	The role of housing characteristics in biomarkers: US NHANES <i>Ivy Shiue*</i>	
	O-1-34-05	Ethical challenges in reporting biomonitoring results in environmental epidemiology (e*) <i>Randi Bertelsen*, Wael Al-Delaimy</i>	
16:00–17:30	O-1-35	AIR POLLUTION MODELLING Chair(s): Regina Ducret, Kirsten Köhler	Osaka / Samarkand
	O-1-35-01	Remote sensing of exposure to NO ₂ : satellite versus ground based measurement in a large urban area <i>Matthew J. Bechle*, Dylan B. Millet, Julian D. Marshall</i>	
	O-1-35-02	High resolution NO ₂ and PM ₁₀ models for Europe using satellite-derived measurements <i>Vienneau Danielle, Kees de Hoogh*, Matthew J. Bechle, Rob Beelen, Randall V. Martin, Aaron van Donkelaar, Eric V. Novotny, Dylan B. Millet, Gerard Hoek, Julian D. Marshall</i>	
	O-1-35-03	CONCENTRATIONS AND DEVELOPMENT OF LAND USE REGRESSION MODELS FOR SPECIFIC ORGANIC COMPONENTS IN 10 EUROPEAN LOCATIONS OF THE ESCAPE STUDY <i>Aleksandra Jedynska*, Gerard Hoek, Rob Beelen, Meng Wang, Josef Cyrys, Christian Madsen, Mark J Nieuwenhuijsen, Kees de Hoogh, Bert Brunekreef, Ingeborg Kooter</i>	
	O-1-35-04	Predicting Chronic Personal Exposure to Airborne Polycyclic Aromatic Hydrocarbon ?Mixture in Krakow, Poland <i>Hyunok Choi*, Frederica Perera, John D. Spengler</i>	
	O-1-35-05	STABILITY OF AIR POLLUTION MODELS OVER TIME: EVALUATION OF POLLUMAP MODELS FOR THE SWISS COHORT STUDY, SAPALDIA <i>Ayoung Jeong*, Harish C. Phuleria, Dirk Keidel, Thierry Rochat, Nicole Probst-Hensch, Christian Schindler</i>	
	O-1-35-06	Data-driven model for generating air pollution maps at a high spatiotemporal resolution <i>Yuval ., Shlomo Bekhor, David M. Broday*</i>	

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16:00–17:30	O-1-36	HAZARD IDENTIFICATION AND RISK ANALYSIS FOR POLICY SUPPORT Chair(s): Satoshi Nakai, Otto Hänninen	Boston
	O-1-36-01	Residual effect of Polychlorinated biphenyls (PCBs) in sediment from CauBay River, Vietnam <i>Toan Vu Duc*</i>	
	O-1-36-02	Oil Spills and Sustainable Development: NIGERIA EXPERIENCE <i>Shamusideen Kadiiri*, Nosakhare Ukpomwan, Dolapo Onipede</i>	
	O-1-36-03	Regional Polychlorinated Naphthalene (PCN) Exposure Based on Gridded Field Observations across North China <i>Xinghua Qiu*</i>	
	O-1-36-04	Source Separation and Urine Treatment – A way towards zero-discharge of nutrients and pharmaceuticals (cytostatic drugs) to the environment <i>Jiefeng Zhang*, Victor W.C. Chang</i>	
	O-1-36-05	Maternal plasma concentrations of polybrominated diphenyl ether (PBDE) and infant birth weight <i>Ania Stasinska, Jane Heyworth*, Andrea Hinwood, Alison Reid, Jon Ø. Ødland, Phi Duong Trong, Quoc Ho Van, Anna Callan</i>	
	O-1-36-06	Risk assessment and setting no adverse effect levels for PFOA <i>Tony Fletcher*</i>	
16:00–17:30	O-1-37	TRAFFIC RELATED AIR POLLUTION EXPOSURE ASSESSMENT Chair(s): Maria Foraster, Ming Tsai	Shanghai
	O-1-37-01	Exposure of urban population to traffic-related primary particulate matter <i>Menno Keuken*, Sef Elshout van den, Fulvio Amato</i>	
	O-1-37-02	Modelling the Spatial Distribution of Industrial and Traffic Pollution Mixtures across Canada <i>Markey Johnson*, Liu Sun, Andrew Davidson, Elizabeth Saikali, Jue Yi (Joyce) Zhang, Mark Gibson</i>	
	O-1-37-03	Regression Models of traffic-related ultrafine particles in Near-Highway Neighborhoods <i>Allison P Patton*, Caitlin Collins, Wig Zamore, Elena N Naumova, Doug Brugge, John L Durant</i>	
	O-1-37-04	Contribution of school location and travel-to-school on schoolchildren's exposure to ultrafine particles at four schools with contrasting traffic influence <i>Ian Longley*, Huimin Lin, Jennifer Salmond, Nick Talbot, Woodrow Pattinson</i>	
	O-1-37-05	Comparing spatial patterns of non-motorized traffic and particulate air pollution in Minneapolis, MN <i>Steve Hankey*, Greg Lindsey, Julian D. Marshall</i>	
	O-1-37-06	Exposure of air pollutants inside vehicles while driving in road tunnels <i>Christer Johansson*, Sanna Silvergren, Michael Norman, Billy Sjövall</i>	
16:00–17:30	S-1-38	WEATHER RELATED MORTALITY IN LOW- AND MIDDLE-INCOME COUNTRIES Chair(s): Joacim Rocklöv, Sankoh Osman	Kairo
	S-1-38-01	Association of meteorological conditions and cause-specific mortality assessed using verbal autopsy in Vadu HDSS, India <i>Vijendra Ingole*, Joacim Rocklov, Sanjay Juvekar, Barbara Schumann</i>	
	S-1-38-02	The weather and climate at select INDEPTH sites in Africa and Asia: Historical trends, future projections, and considerations for time series modeling <i>David Hondula*, Joacim Rocklöv, Osman Sankoh</i>	
	S-1-38-03	Time series analysis of weather and mortality patterns in Nairobi <i>Thaddaeus Egondi*, Catherine Kyobutungi, Sari Kovats, Kanyiva Muindi, Remare Ettarh, Joacim Rocklov</i>	
	S-1-38-04	Weather related mortality in high-, middle- and low-income countries – differences and similarities <i>Sari Kovats*</i>	

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	O-1-39-01	Evaluating the impacts of an advanced stove intervention on traditional cooking patterns and pollutant exposures in India using Stove Use Monitors <i>Ajay Pillarisetti*, Sankar Sambandam, Mayur Vaswani, Narendra K. Arora, Kalpana Balakrishnan, Michael N. Bates, Darby Jack, Krishnendu Mukhopadhyay, Rupak Mukhopadhyay, S. Arul Selvan, Kirk R. Smith</i>	
	O-1-39-02	Indoor air pollution caused by wood-burning in Brazilian and Danish dwellings <i>Ricardo Luis Teles de Carvalho*, Ole Michael Jensen, Luis Antonio da Cruz Tarelho, Adeildo Cabral da Silva</i>	
	O-1-39-03	What determines the adoption and continued use of advanced clean cookstoves? <i>Darby Jack*, Ajay Pillarisetti, Mayur Vaswani, Kalpana Balakrishnan, Michael N. Bates, Manoj Das, Patrick Kinney, Rupak Rupak Mukhopadhyay, Kirk R. Smith, Narendra K. Arora</i>	
	O-1-39-04	Measurement of indoor air emissions during the construction of a modern timber frame house <i>Julia Hurraß*, Freya Schulte-Hubbert, Andreas Rehmers, Armin Schuster, Richard Gminski, Volker MerschSundermann</i>	
	O-1-39-05	Exposure Assessment of Household Air Pollution (HAP) and Improved Stove Use in Rural Western Kenya <i>Bryan Christensen*, Tamara Piliishvili, Fuyuen Yip, Kanta Sircar, Jennifer Loo, Nigel Bruce, Ibrahim Sadumah, Ronald Nyagol, Justus Muoki, Mike Sage</i>	
16:00–17:30	O-1-40	ASTHMA, ALLERGY AND ENVIRONMENTAL MICROBES Chair(s): Juha Pekkanen, Charlotte Braun-Fahrländer	Helvetia 1
	O-1-40-01	Early life microbial exposure and fractional exhaled nitric oxide in school-age children <i>Lidia Casas*, Christina Tischer, Inge M Wouters, Maties Torrent, Raquel Garcia, Anne Hyvärinen, Jordi Sunyer</i>	
	O-1-40-02	Diversity and quantity of bacteria in farm and non-farm environments and the relation to asthma and allergy <i>Maria Valkonen*, Inge M Wouters, Martin Täubel, Jon Genuneit, Helena Rintala, Dick Heederik, Charlotte Braun-Fahrländer, Renaud Piarroux, Erika von Mutius, Anne Hyvärinen</i>	
	O-1-40-03	Microbial markers in farm and non-farm environments and asthma and allergy <i>Dick Heederik*, Inge M Wouters, Martin Täubel, Charlotte Braun-Fahrländer, Renaud Piarroux, Virissa Lenters, Anne Hyvärinen, Erika von Mutius</i>	
	O-1-40-04	The relationship between fungal diversity in house dust and childhood asthma development <i>Karen Dannemiller*, Mark J Mendell, Janet Macher, Kazukiyo Kumagai, Nina Holland, Kim Harley, Asa Bradman, Brenda Eskenazi, Jordan Peccia</i>	
	O-1-40-05	The Association of Indoor Bioaerosol and Atopy at the Residence of Children in Korea <i>Kwonchul Ha*, Chungsik Yoon, Donguk Park</i>	
	O-1-40-06	Microbial toxins in residential indoor environment <i>Juha Pekkanen*, Pirkka Kirjavainen, Michael Sulyok, Martin Täubel, Anne Karvonen, Rudolf Krška, Anne Hyvärinen</i>	
16:00–17:30	O-1-41	REPRODUCTIVE EFFECTS FROM PERSISTENT ORGANIC POLLUTANTS Chair(s): Martine Vrijheid, Paula Johnson	Helvetia 2
	O-1-41-01	Perfluoroalkyl substances in mid-pregnancy and preeclampsia in the Norwegian Mother and Child Cohort Study <i>Anne Starling, Stephanie Engel, David Richardson, Julie Daniels, Alison Stuebe, Line Haug, Kari Klungsoyr, Quaker Harmon, Rolv Skjærven, Merete Eggesbø, Matthew Longnecker*</i>	
	O-1-41-02	Perfluorinated compounds and time to pregnancy in couples from Greenland, Poland and Ukraine <i>Kristian Tore Jørgensen*, Ina Specht, Virissa Lenters, Lars Rylander, Bo A.G. Jönsson, Aleksander Giwercman, Dick Heederik, Gunnar Toft, Jens Peter Bonde</i>	
	O-1-41-03	PERFLUOROOCTANOATE EXPOSURE AND MATERNAL REPORT OF BIRTH DEFECTS <i>Cheryl Stein*, David Savitz</i>	

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TUESDAY

O-1-41-04 Exposure to organochlorine compounds during pregnancy and birth outcomes in the mother-child cohort in Crete, Greece (Rhea study).

Marina Vafeiadi, Martine Vrijheid, Eleni Fthenou, Georgia Chalkiadaki, Panu Rantakokko, Hannu Kirivanta, Soterios Kyrtopoulos, Leda Chatzi, Manolis Kogevinas*

O-1-41-05 Human exposure to p,p'-dichlorodiphenyldichloroethylene (p,p'-DDE) in urban and semi-rural areas in southeast Spain: A gender perspective

Juan P. Arrebola, Mariana F. Fernandez, Piedad Martin-Olmedo, Nicolas Olea*

O-1-41-06 Decreased Serum Vaccine Antibody Concentrations as Critical Outcome of Exposure to Perfluorinated Compounds

Philippe Grandjean, Ulla Brasch Mogensen, Esben Budtz-Jørgensen, Pal Weihe, Carsten Heilmann*

16:00–17:30

O-1-42

WATER, WATER EVERYWHERE – WHAT'S THE RISK FROM WHAT WE DRINK?

Helvetia 3-5

Chair(s): Christina Porucznik, Yehoshua Maor

O-1-42-01 Exposure to trihalomethanes in drinking water during pregnancy and risk of adverse fetal growth outcomes in the Born in Bradford birth cohort.

Rachel Smith, Mark J Nieuwenhuijsen, Susan C Edwards, James E Bennett, John Wright, Nicky Best, Mireille B Toledano*

O-1-42-02 Haloacetic acids in public drinking water and risk of adverse birth outcomes in the Born in Bradford cohort

Susan C Edwards, Nicky Best, Rachel Smith, Emily Petherick, John Wright, Mark J Nieuwenhuijsen, Mireille B Toledano*

O-1-42-03 Comparison of Individual-level and Ecologic Studies of the Association of Drinking Water Contaminants on Adverse Birth Outcomes

James VanDerslice, Janice Panichello, Christina Porucznik, Marissa Taddie*

O-1-42-04 In utero PFOA and high blood pressure among pre-adolescent children in West Virginia

Rosana Weldon, William Neal, Collin John, Christa Ice, Lorna Gibson, Brenda Eskenazi, Tony Fletcher*

O-1-42-05 Understanding health related behaviours and beliefs in north-west Tanzania: environmental health knowledges and coping strategies

Joseph Sambali, Joseph Sambali, Ann Le Mare, Chris Dunn*

O-1-42-06 Drinking Water Chlorination By-Products and Intra-Uterine Growth Restriction: is there an effect modification of the CYP2E1 G1259C gene polymorphism?

Patrick Levallois, Molière Nguile-Makao, Nathalie Bernard, Yves Giguère, Manuel Rodriguez, Robert Tardif, Sylvie Marcoux, Alexandre Bureau*

18:00–19:30

ISES BOARD MEETING

Hong Kong

18:30

STUDENTS AND NEW RESEARCHERS NETWORK (SNRN) SOCIAL EVENT

EXTERNAL:
Sudhaus

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Wednesday, August 21

08:00–17:00 **SPEAKER READY ROOM**
 07:00–17:30 **REGISTRATION**
 10:00–10:30 **COFFEE BREAK**
 12:00–13:00 **LUNCH**
 15:30–16:00 **COFFEE BREAK**

07:15–08:30 **ISEE COUNCIL MEETING** Hong Kong

07:45–08:30 T-2-01 **HOW TO BE A REVIEWER FOR A SCIENTIFIC JOURNAL?** Boston
 Lecturer: Jane C. Schroeder

07:45–08:30 T-2-02 **EPIGENETICS – MEMORIES OF PAST EXPOSURES AND PREDICTORS OF DISEASES: METHODOLOGICAL CONSIDERATIONS AND SOME FINDINGS** Shanghai
 Lecturer: Wilfried Karmaus

07:45–08:30 T-2-03 **OUTBREAK INVESTIGATION FOR ENVIRONMENTAL HAZARDS** Kairo
 Lecturer: I-Jen Wang

07:45–08:30 T-2-04 **HEALTH IMPACT ASSESSMENT METHODS FOR INDUSTRIAL DEVELOPMENT PROJECTS IN TROPICAL REGIONS** Delhi
 Lecturer: Mirko Winkler

08:45–10:00 F-2-05 **PLENARY SESSION HOSTED BY THE INTERNATIONAL SOCIETY FOR INDOOR AIR QUALITY AND CLIMATE (ISIAQ)** San Francisco
 Risk and Health: Following the Path of Exposure (more details on p. 23)
 Chair(s): Glenn Morrison, Hal Levin

F-2-05-01 Welcome address from the University Basel
*Edwin Constable**

F-2-05-02 Indoor Environments: Shaped by interplay of human bodies with chemicals of outdoor and indoor origin
*Charles Weschler**

F-2-05-03 Environmental health risks should be studied with an interdisciplinary approach
*Carl-Gustaf Bornehag**

F-2-05-04 The role of ISIAQ in fostering research to promote healthy, comfortable and productive indoor environments
*Pawel L. Wargocki**

10:30–12:00 S-2-06 **BRIDGING COMPUTATIONAL BIOLOGY WITH ENVIRONMENTAL EPIDEMIOLOGY TO ADDRESS MULTIPLE EXPOSURES** San Francisco
 Chair(s): Cheryl Stein, Joel T. Dudley

S-2-06-01 Environment-Wide Association Studies (EWAS) and Gene-by-Environment Wide Association Studies (GEWAS) to find genetic and environmental factors in disease
*Chirag Patel**

S-2-06-02 Using integrative informatics to bridge toxicogenomics and disease biology
*Joel T. Dudley**

S-2-06-03 Timing and concentrations of multiple environmental exposures in the general population
*Miquel Porta**

WEDNESDAY

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10:30–12:00	O-2-07	CLIMATE CHANGE: HEALTH VULNERABILITY AND IMPACTS includes ethics talk (e*) Chair(s): Mirko Winkler, Li Yuguo	Montreal
	O-2-07-01	Environmental vulnerability of the White Bandama watershed <i>Kouakou YAO ETIENNE*, Kone Brama, Cissé Guéladio, DJE kouakou Bernard, Savane Issiaka</i>	
	O-2-07-02	The public health consequences of climate change in the Russian North <i>Bettina Menne*, Zhanat Varakina</i>	
	O-2-07-03	Health Vulnerability Assessment of Heat waves in Korea <i>SatByul Estella Kim*, Ho Kim, Jungah Yoo</i>	
	O-2-07-04	Uncertainties in estimating future heat wave mortality in the eastern U.S. <i>Jianyong Wu, Ying Zhou, Yang Gao, Joshua Fu, Brent Johnson, Cheng Huang, Youngmin Kim, Yang Liu*</i>	
	O-2-07-05	Health effects of climate change in the UK – current evidence and research gaps <i>Sotiris Vardoulakis*, Clare, H. Heaviside, Andy Haines, Shakoora Hajat, Mathew Heal, Roy Kennedy, Jolyon Medlock, Gordon Nichols, John O'Hagan, Carla Stanke, Bernd Eggen</i>	
	O-2-07-06	Climate Change, Limits to Growth and Public Health – Concerns for Global Ethics (e*) <i>Jouni Jaakkola*</i>	
10:30–12:00	S-2-08	ENERGY-EFFICIENCY INTERVENTIONS IN LOW-INCOME HOUSING: EFFECTS ON EXPOSURE AND HEALTH Chair(s): John D. Spengler, Gary Adamkiewicz	Sydney
	S-2-08-01	Differences in satisfaction, comfort and air quality between conventional and green public housing: A case study in Boston <i>Gary Adamkiewicz*, Meryl Colton, John D. Spengler</i>	
	S-2-08-02	Do Weatherization and Rehabilitation of Low-Income Housing Using Green Healthy Homes Techniques Improve Health Outcomes and Indoor Environmental Quality—Three R <i>David Jacobs*, Sherry Dixon, Jill Breysse, Samuel Dorevitch, Lorraine Conroy</i>	
	S-2-08-03	Early results of a study on improving energy efficiency of housing stock, IEQ and public health in North-East Europe <i>Ulla Haverinen-Shaughnessy*, Virpi Leivo, Dainius Martuzevicius</i>	
	S-2-08-04	Ventilation and IAQ in Homes Receiving Energy Efficiency Retrofits <i>Paul Francisco*, Salvatore Cali, David Jacobs, William Rose</i>	
	S-2-08-05	Weatherization, IEQ and Building Performance: Study Methodology and Pre-weatherization Baseline <i>Susan Doll*, Sarah Grady, Lukas Burgher, Nathan Culver</i>	
10:30–12:00	O-2-09	LONG-TERM HEALTH EFFECTS OF AMBIENT AIR POLLUTION Chair(s): Nino Kuenzli, Francine Laden	Singapore
	O-2-09-01	Natural cause mortality and exposure to elemental composition of particulate matter: an analysis of 19 European cohorts within the multi-center ESCAPE project <i>Rob Beelen*, Gerard Hoek, Ole Raaschou-Nielsen, Klea Katsouyanni, Kees de Hoogh, Ming-Yi Tsai, Paolo Vineis, Bert Brunekreef</i>	
	O-2-09-02	Long-Term Concentrations of Airborne Coarse Particulate Matter and Systemic Inflammation/Coagulation in the Multi-Ethnic Study of Atherosclerosis (MESA) <i>Sara Adar*, Jennifer D'Souza, Kari Mendelsohn-Victor, Lianne Sheppard, Mary Cushman, Ana V. Diez-Roux, David Jacobs, Joel Kaufman, Timothy Larson</i>	
	O-2-09-03	The Impact of Long-Term Exposure to Air Pollution on Conduit Artery and Microvascular Function <i>Elissa Wilker*, Petter L. Ljungman, Itai Kloog, Joel D. Schwartz, Diane R. Gold, Petros Koutrakis, Joseph Vita, Gary Mitchell, Emelia Benjamin, Naomi Hamburg, Murray A. Mittleman</i>	
	O-2-09-04	Exposure to ambient air pollution and changes in leukocyte telomere length in US women <i>Jaime E. Hart*, Kathryn Rexrode, Jennifer Prescott, Immaculata De Vivo, Francine Laden</i>	
	O-2-09-05	Carotid intima-media thickness is associated with long-term exposures to PM ₁₀ and PM _{2.5} among middle-aged adults <i>Su Ta-Chen*, Juey-Jen Hwang, Chang-Chung Chan</i>	

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	O-2-09-06	LONG TERM EFFECTS OF PM _{2.5} IN ITALY: PRELIMINARY RESULTS OF THE INHIS COHORT STUDY <i>Martina Gandini*, Ennio Cadum, Morena Stroschia, Giuseppe Costa, Moreno Demaria, Gabriella Sebastiani, Gabriele Zanini</i>	
10:30–12:00	O-2-10	AIR POLLUTION MODELLING Chair(s): Marloes Eeftens, Michael Brauer	Osaka / Samarkand
	O-2-10-01	Assessment of the association between predictions from a wildfire smoke forecasting system and respiratory health indicators <i>Jiayun Yao*, Michael Brauer, Sarah B. Henderson</i>	
	O-2-10-02	Monthly national satellite-based land-use regression of NO ₂ in the United States for 2000 – 2010 <i>Matthew J. Bechle*, Dylan B. Millet, Julian D. Marshall</i>	
	O-2-10-03	Developing and evaluating land use regression models for NO ₂ in city-wide, regional, and continental scales in Europe <i>Meng Wang*, Rob Beelen, Kees de Hoogh, Bert Brunekreef, Gerard Hoek</i>	
	O-2-10-04	Simulation of NO ₂ commute exposure – Investigation of its contribution to total exposure and comparison of air pollution models <i>Martina S. Ragettli*, Charlotte Braun-Fahrlander, Ming-Yi Tsai, Audrey de Nazelle, Christian Schindler, Laura Perez, Alex Ineichen, Regina E. Ducret-Stich, Nino Kuenzli, Harish C. Phuleria</i>	
	O-2-10-05	Air Pollution Exposure Model for Individuals (EMI) in Asthma Health Study: Predicting Air Exchange Rates for Residences in Detroit, Michigan <i>Michael Breen*, Janet Burke, Stuart Batterman, Alan Vette, Gary Norris, Christopher Godwin, Matthew Landis, Carry Croghan, Thomas Long, Bradley Schultz, Paul Harbin</i>	
	O-2-10-06	Spatiotemporally-Resolved Air Exchange Rate as a Modifier of Acute Air Pollution-Related Morbidity <i>Jeremy Sarnat*, Stefanie Sarnat, W. Dana Flander, Howard Chang, James Mulholland, Lisa Baxter, Vlad Isakov, Haluk Ozkaynak</i>	
10:30–12:00	S-2-11	PRENATAL ENVIRONMENT, EPIGENETIC MECHANISMS AND THE DEVELOPMENTAL ORIGINS OF HEALTH AND DISEASE Chair(s): Carmen Marsit, Molly Kile	Rio
	S-2-11-01	CHAMACOS: A Birth Cohort Study in an Immigrant Population <i>Brenda Eskenazi*, Kim Harley, Paul Yousefi, Karen Huen Northcoate, Asa Bradman, Lisa Barcellos, Nina Holland</i>	
	S-2-11-02	DNA Methylation and Exposure to Multiple Metals during Pregnancy among Women Living near a Superfund Site <i>Adrienne Ettinger*, Andrea A Baccarelli, Chitra Amarasiriwardena, Letizia Tarantini, Benedetta Albetti, Robert O. Wright</i>	
	S-2-11-03	Epigenetic effects of intrauterine exposure to persistent organic pollutants, the INMA birth cohort <i>Eva Morales*</i>	
	S-2-11-04	Genomic Imprinting and the Effects of the Environment on Fetal Growth <i>Luca Lambertini*, Carmen Marsit, Jia Chen</i>	
	S-2-11-05	Patterning in placental DNA methylation and infant neurodevelopment according to prenatal socioeconomic environment <i>Allison Appleton*, David Armstrong, Barry Lester, Carmen Marsit</i>	
10:30–12:00	S-2-12	ENVIRONMENTAL NOISE IN A PUBLIC HEALTH FRAMEWORK Chair(s): Peter Lercher, Martin Röösli	Boston
	S-2-12-01	Challenges of noise effects' research <i>Wolfgang Babisch*</i>	
	S-2-12-02	Combined exposure to noise and outdoor air pollution and cardiovascular disease <i>Jurgita Lekaviciute*, Yvonne de Kluizenaar, Helga Laszlo, Anna Hansell, Sarah Floud, Peter Lercher, Wolfgang Babisch, Stylianos Kephelopoulou</i>	
	S-2-12-03	Long-Term Exposure to Road Traffic Noise and Incident Diabetes: A Cohort Study <i>Mette Sørensen*, Zorana Jovanovic Andersen, Rikke Nordsborg, Thomas Becker, Anne Tjønneland, Kim Overvad, Ole Raaschou-Nielsen</i>	
	S-2-12-04	Noise-induced sleep disturbances and long-term health risks <i>Mark Brink*</i>	

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	S-2-12-05	The relationship between traffic noise exposure and ischemic heart disease: a meta-analysis <i>Danielle Vienneau*, Laura Perez, Christian Schindler, Martin Röösli</i>	
	S-2-12-06	Traffic noise and mortality in the ESCAPE study <i>Danny Houthuijs*, Mette Sørensen, Regina Hampel, Dorothea Sugiri, Timo Lanki, Johanna Penell, Bente Oftedal, Enrica Migliore, Wim Swart, Gerard Hoek</i>	
10:30–12:00	S-2-13	TOXIC WASTE MANAGEMENT: CHALLENGES AND LESSONS LEARNED FROM RECENT EVENTS IN AFRICAN CONTEXTS Chair(s): Marcel Tanner, Christian Zurbrugg	Shanghai
	S-2-13-01	Dealing with Hazardous Wastes During Disasters <i>Muralee Thummarukudy*</i>	
	S-2-13-02	Management of Waste Generated at Sea <i>Olof Linden*</i>	
	S-2-13-03	Toxic and complex wastes management: Way Forward <i>Guéladio Cissé*, Muralee Thummarukudy</i>	
	S-2-13-04	Toxic Waste Dumping in Abidjan: environmental concerns <i>Guéladio Cissé, Kouassi Dongo*</i>	
	S-2-13-05	Toxic Waste Dumping in Abidjan: health concerns <i>Tiembre Issaka*, Cissé Guéladio</i>	
10:30–12:00	O-2-14	INDOOR AIR POLLUTION EXPOSURE ASSESSMENT Chair(s): Atze Boerstra, Glenn Morrison	Kairo
	O-2-14-01	Household air pollution and exposures: a systematic review of literature for the revised global household air pollution database <i>Gurusamy Thangavel*, Santu Ghosh, Sambandam Sankar, Krishnendu Mukhopadhyay, Vidhya Venugopal, Venkatesan Dasu, Kalpana Balakrishnan, Nigel Bruce, Kirk R. Smith</i>	
	O-2-14-02	Measurement of household concentrations for estimating PM _{2.5} exposures in pregnant women: Preliminary results from the SICAPHE study <i>Krishnendu Mukhopadhyay*, Rengaraj Ramasamy, Sathish Madhav, Natesan Durairaj, Manickam Natarajan Amudha, Gayathri Rajendran, Arulselvan Sadasivam, Naveen Puttaswamy, Sankar Sambandam, Santu Ghosh, Kalpana Balakrishnan</i>	
	O-2-14-03	Tracking Source Strength of Semivolatile Organic Compounds from Indoor Dust <i>Hyeong-Moo Shin*, Thomas E. McKone, Marcia Nishioka, M. Danielle Fallin, Lisa Croen, Irva Hertz-Picciotto, Craig Newschaffer, Deborah Bennett</i>	
	O-2-14-04	Numerical Simulations of Interpersol Aerosol Transport in a Single-Aisle Aircraft Cabin <i>Li Liu*, Peter V. Nielsen, Charlotte Damsgaard, Rasmus L. Jensen</i>	
	O-2-14-05	Experimental assessment of the geometrical extend of the inhalation zone of standing, sitting and sleeping persons. <i>Jelle Laverge*, Michal Spilak, Atila Novoselac, Arnold Janssens, Richard Corsi</i>	
	O-2-14-06	Influence of Climate Variation on Indoor Air Quality: a 15-year Profile Analysis of Indoor Fungal Pollutants <i>Nai-Yun Hsu, Yu-Qi He*, Huey-Jen Su</i>	
10:30–12:00	O-2-15	BIOMARKERS IN THE CHILDHOOD Chair(s): Mark Hernandez, Wilfried Karmaus	Delhi
	O-2-15-01	Phthalate Exposures in a Canadian Birth Cohort at Three Months of Age: the CHILD Study <i>Huan Shu*, Ryan W. Allen, Carl-Gustaf Bornehag, Michael Brauer, Jeffrey Brook, Bruce Lanphear, Sheela Sathyanarayana, Malcolm R. Sears, Leilei Zeng, Tim K. Takaro, CHILD Environmental Working Group</i>	
	O-2-15-02	Phthalates exposure and the profiles of allergic and inflammatory cytokines in Taiwan's children <i>Hsin-Wen Chang*, Nai-Yun Hsu, Jiu-Yao Wang, Huey-Jen Su</i>	
	O-2-15-03	Prenatal exposures to phthalates and postnatal growth in boys during the three first years of life <i>Jérémie Botton*, Claire Philippat, Antonia M. Calafat, Manori Silva, Marie-Aline Charles, Rémy Slama</i>	
	O-2-15-04	Prenatal Bisphenol A Exposure and Cognitive and Behavioural Development in Children <i>Martine Vrijheid*, Maribel Casas, David Martínez, Damaskini Valvi, Ana Ballesteros-Gómez, Noelia Luque, Soledad Rubio, Jordi Julvez, Jordi Sunyer</i>	

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	O-2-15-05	A pilot study of prenatal urinary bisphenol A concentrations and longitudinal measures of child growth through two years in a prospective Mexico City cohort. <i>Just Allan*, Joseph Braun, Dana Boyd Barr, Katherine Svensson, Lourdes Schnaas, Alejandra Cantoral Preciado, Martha Maria Tellez-Rojo Solis, Andrea A Baccarelli, Robert O. Wright</i>	
	O-2-15-06	Effects of Phthalate Exposure on Thyroid Function in 2, 5, 8, and 11 Year-Old Children from Central Taiwan <i>Chia-Jui Chuang, Pen Hua Su, Hsiao-Yen Chen, Chien-Wen Sun, Shu-Li Wang*</i>	
10:30–12:00	O-2-16	ATOPIC DISEASES Chair(s): Jan Sundell, Anne Hyvärinen	Helvetia 1
	O-2-16-01	The effect of phthalate acid esters exposures on later allergic diseases <i>I-Jen Wang*, Pau-Chung Chen</i>	
	O-2-16-02	IVAIRE – A Randomized Controlled Study on the Impact of Ventilation on IAQ and Respiratory Symptoms of Asthmatic Children in Single Family Homes: Health aspects <i>Pierre Lajoie*, Véronique Gingras, Francine M. Ducharme, Patrick Daigneault, Daniel Aubin, Denis Gauvin, Jean-Marc Leclerc, Marilène Courteau, Suzanne Gingras, Don Fugler, Hans Schleibinger</i>	
	O-2-16-03	Air pollution exposure and allergic sensitization in children: a meta-analysis of five European birth cohorts within the ESCAPE project <i>Olena Gruzieva*, Ulrike Gehring, Raymond Agius, Elaine Fuertes, Joachim Heinrich, Claudia Klümper, Ursula Krämer, Anna Mölter, Bert Brunekreef, Göran Pershagen</i>	
	O-2-16-04	Winter Season Temperature Drops and Sulfur Dioxide Levels Affect on Exacerbation of Refractory Asthma in South Korea <i>Sungroul Kim*, Yongbae Kim, Ara Jung, Choon-sik Park</i>	
	O-2-16-05	Participant Use of Free-Standing Filters in an Asthma Intervention Study <i>Stuart Batterman*, Liuliu Du, Edith Parker, Thomas Robins, Toby Lewis, Bhramar Mukherjee, Erminia (Minnie) Ramirez, Zachary Rowe, Wilma Brakefield-Caldwell</i>	
	O-2-16-06	COMPARING FACTORS ASSOCIATED WITH ASTHMA BETWEEN CHINESE IMMIGRANT AND WHITE NON-IMMIGRANT ADULTS <i>Laura Corlin*, Mark Woodin, Tina Wang, Ami Chi, Doug Brugge</i>	
10:30–12:00	O-2-17	ORGANIC POLLUTANT MEASUREMENTS Chair(s): Nicole S. Tulve, Cian O' Mahony	Helvetia 2
	O-2-17-01	Maternal and fetal exposure to polyfluoroalkyl chemicals during gestation <i>Kayoko Kato, Lee-Yang Wong, Carmen Dunbar, Tao Jia, Aimin Chen, Glenys Webster, Bruce Lanphear, Antonia M. Calafat*</i>	
	O-2-17-02	Nursing and Weight Gain Markedly Influence the Levels of PCB 153 in Blood of 4, 8 and 12 Year Old Children <i>Anders Glynn*, Marie Aune, Sanna Lignell, Per-Ola Darnerud</i>	
	O-2-17-03	Exposure to Polyfluoroalkyl Compounds in the Mid Ohio River Valley and Associations with Consumption of Ohio River Water <i>Susan M. Pinney, Robert L. Herrick*, Robert Bornschein, Antonia M. Calafat, Kayoko Kako, Frank M. Biro, Paul Succop</i>	
	O-2-17-04	Semi-volatile organic compounds in home settled dust: a nationwide survey in France <i>Corinne Mandin*, Fabien Mercier, Jean-Paul Lucas, Olivier Ramalho, Olivier Blanchard, Nathalie Bonvallot, Gaelle Raffy, Erwann Gilles, Philippe Glorennec, Barbara Le Bot</i>	
	O-2-17-05	Concentration of Volatile Organic Chemicals in Small Businesses Located in a Low-Income Latino Community <i>Paloma Beamer*, Alicia N. Waltz, Ann Marie A. Wolf, Eric Lutz, Eric A. Betterton</i>	
	O-2-17-06	Indoor exposure to SVOCs from consumer products and building materials: Empirical data validates air-dust partitioning models and informs measurement strategies <i>Robin Dodson*, Ruthann Rudel</i>	
10:30–12:00	O-2-18	HEALTH IMPACT ASSESSMENT includes ethics talk (e*) Chair(s): Ondine von Ehrenstein, Nazanin Mandkarian	Helvetia 3-5
	O-2-18-01	Developing a modified conceptual model for health impact assessment towards Ecological Public Health <i>Stefan Reis*, George Morris, Lora E. Fleming, Sheila Beck, Mathew White, Michael H. Depledge</i>	

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- O-2-18-02 Coherence of Toxicology and Epidemiology Findings in NYU NPACT Study
Morton Lippmann, Lung-Chi Chen, Terry Gordon*
- O-2-18-03 Disability-adjusted life years (DALYs) for transport injuries
Marko Tainio, Grzegorz Teresinski, Audrey de Nazelle, Mark J Nieuwenhuijsen*
- O-2-18-04 Assessing the health benefits of decreased population exposures versus disbenefits of increased driver exposures in an 18 km long high-way road tunnel by-pass i
Hans Orru, Boel Lövenheim, Christer Johansson, Bertil Forsberg*
- O-2-18-05 Risk assessment on Taranto (Italy) integrated steel works
Giorgio Assennato, Roberto Giua, Stefano Spagnolo, Tiziano Pastore, Angela Morabito, Annalisa Tanzarella, Maria Serinelli, Vito Laghezza, Lucia Bisceglia, Francesco Cuccaro*
- O-2-18-06 Ethical aspects in Health Impact Assessment (e*)
*Liliana Cori**

12:00–14:00 **ISEE CAPACITY BUILDING COMMITTEE** Rio

12:00–13:30 **ETHICS AND PHILOSOPHY COMMITTEE MEETING** Guangzhou

12:30–13:30 **ISIAQ GENERAL MEMBERSHIP MEETING** Osaka / Samarkand

12:30–13:30 **EHP ASSOCIATE EDITORS MEETING** Hong Kong

13:00–14:00 **P-2 POSTER VIEWING II HALL 4.1**
02 AIR POLLUTION HEALTH IMPACT ASSESSMENT

- P-2-02-01 A review of quantitative health impact assessments of ozone and particulate matter under a changing
Victoria Likhvar, Konstantinos Markakis, Myrto Valari, Colette Augustin, Didier Hauglustaine, Sylvia Medina, Mathilde Pascal, Patrick Kinney*
- P-2-02-02 ADDITIONAL MORTALITY CASES ATTRIBUTED TO PM METALLURGICAL INDUSTRY EMISSIONS
Olena Turos, Arina Petrosian, Oksana Ananyeva, Ganna Davydenko*
- P-2-02-03 Air quality and health impacts of ethanol production and use in São Paulo State, Brazil
Noah Scovronick, Daniela Franca, Ben Armstrong, Karla Longo, Zaid Chalabi, Bernardo Rudorff, Saulo Freitas, Claudia Almeida, Paul Wilkinson*
- P-2-02-04 Assessing the National Public Health Burden Associated with Exposure to Ambient Black Carbon in the United States
*Ying Li, Daven Henze, Darby Jack, Patrick Kinney**
- P-2-02-05 Associations between subjective symptoms during Asian dust events and serum immunoglobulin E levels
Shinji Otani, Kazunari Onishi, Nanase Inoue, Yae Yokoyama, Haosheng Mu, Takenobu Hosoda, Mikizo Okamoto, Youichi Kurozawa*
- P-2-02-06 Emerging issues on risks to health from air pollution: results from the WHO-HRAPIE survey of experts
Susann Henschel, Gabrielle Chan, Marie-Eve Héroux, Patrick G. Goodman*
- P-2-02-07 Health impact assessment of air pollution beyond urban areas: protocol for a pilot study in two French regions
Aymeric Bun Ung, Mathilde Pascal, Perrine de Crouy-Chanel, Victoria Likhvar, Sylvia Medina, Christophe Declercq*
- P-2-02-08 Health Impact Assessment of PM10 and PM2.5 in 35 Southeast and East Asian cities
Yorifuji Takashi, Sanghyuk Bae, Saori Kashima, Toshihide Tsuda, Hiroyuki Doi, Yasushi Honda, Ho Kim, Yun Chul Hong*
- P-2-02-09 HEALTH RISK ASSESSMENT OF CHILDREN IN THE ENVIRONMENTALLY ENDANGERED AREA OF KARDZHALI FOR THE PERIOD 1991-2013
*Jeni Staykova**
- P-2-02-10 Health Risk Assessment of Cooking Oil Fumes in China
Wang Xiuyan, Yi Zhongqin, Zhang Yin*

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- P-2-02-11 HEAPS STUDY RESULTS: HEALTH EFFECTS OF AIR POLLUTION IN ANTWERP SCHOOLS
Sofie De Prins, Martine Van Poppel, Evi Dons, Luc Int Panis, Els Van de Mierop, Bianca Cox, Tim S. Nawrot, Greet Schoeters, Gudrun Koppen*
- P-2-02-12 Impact of diesel vehicle inspection on health: the experience of Sao Paulo, Brazil
Paulo Afonso André, Simone Miraglia, Paulo Hildário Saldiva*
- P-2-02-13 Increased risk of hospitalization for hand, foot, and mouth disease caused by Asian dust in Japan
Kazunari Onishi, Shinji Otani, Mu Haosheng, Takenobu Hosoda, Yae Yokoyama, Youichi Kurozawa*
- P-2-02-14 Increased use of biomass in combined heat and power production: health impacts due to PM_{2.5} emissions
Marjo Niittynen, Erkki Pärjälä, Jouni T. Tuomisto*
- P-2-02-15 INFLUENCE OF AIR POLLUTION ON GLOBAL DNA METHYLATION IN HEALTHY ADULTS: A SEASONAL FOLLOWUP
Sofie De Prins, Gudrun Koppen, Griet Jacobs, Evi Dons, Els Van de Mierop, Vera Nelen, Frans Fierens, Patrick De Boever, Bianca Cox, Tim S. Nawrot, Greet Schoeters*
- P-2-02-16 Inter-municipal commuting and impact of PM₁₀ on mortality in the Lombardy region, Italy
Michela Baccini, Annibale Biggeri, Dolores Catelan, Laura Grisotto, Pietro Alberto Bertazzi, Dario Consonni, Paolo Grillo, Giorgia Randi*
- P-2-02-17 Leveraging Airborne Biopolymer and Toxicological Analyses to Assess the Performance of a Building Complex in Reducing Exposures to Proximal Wildfire Pollution
Alina Handorean, Odessa M. Gomez, Jane Turner, Mark Hernandez*
- P-2-02-18 Long term health effect of PM_{2.5} in selected cities of Central Europe between 2005-2010
Bobvos Janos, Anna Páldy, Marta Szalkai, Balazs Fazekas, Tamas Pandics*
- P-2-02-19 Oxidative stress markers, lung function and exposure to air pollutants in Mexican schoolchildren.
Albino Barraza-Villarreal, Ana Teresa Romero-Calderon, Hortensia Moreno-Macias, Joel Manrique-Moreno, Horacio Riojas Rodríguez, Yessica Torres Dorán-Ramos, Juan José Hick-Gómez, Benigno Segovia-Linares, Beatriz Cárdenas-González, Claudia Barcena-Blancart*
- P-2-02-20 Particulate matter, metal components, and lung function in a highly exposed population
*Andrea A Baccarelli, Yinan Zheng, Xiao Zhang, John P. McCracken, Anaité Díaz Artiga, Chang Dou, Pietro Alberto Bertazzi, Joel D. Schwartz, Sheng Wang, Lifang Hou**
- P-2-02-21 Prevention potential of daily deaths in Switzerland between 2001 and 2010 under a realistic air pollution abatement scenario
Laura Perez, Denis Aydin, Leticia Grize, Hansjörg Sommer, Gian-Marco Alt, Roy Eugster, Christian Schindler*
- P-2-02-22 Quantifying future health impacts of air pollution under a changing climate along a range of geographical scales
Victoria Likhvar, Konstantinos Markakis, Myrto Valari, Colette Augustin, Didier Hauglustaine, Sylvia Medina, Mathilde Pascal, Patrick Kinney*
- P-2-02-23 Risk assessment to health of schoolchildren on exposure to ozone and fine particulate matter from biomass burning in the city of Rio Branco – AC.
*Pâmela Rodrigues de Souza Silva, Beatriz Fátima Alves de Oliveira, Washington Leite Junger, Sandra Hacon, Eliane Ignotti**
- P-2-02-24 Short term health effect of PM₁₀ in selected cities of Central Europe between 2006-2010
Anna Páldy, János Bobvos, Marta Szalkai, Balazs Fazekas, Tamas Pandics*
- P-2-02-25 Surface charge of particles is a key determinant for interaction with protein
Hsiao-Chi Chuang, Kai-Jen Chuang, Hao-Cheng Chen, Chih-Cheng Chang, Tsun-Jen Cheng*
- P-2-02-26 Use of Wildfire Smoke Forecasting Model to Mitigate Burden on a Population's Health and Wellbeing
Ana Rappold, Neal Fann, Wayne E. Cascio, Robert B. Devlin, David Diaz-Sanchez*

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P-2-02-27 Worldwide associations between air quality and health end-points. Are they meaningful?
Hanns Moshhammer, Hans-Peter Hutter*

04 AIR POLLUTION EXPOSURE ASSESSMENT

- P-2-04-01 A Comparison of Trace Elements Accumulation and Spatial Variability in Leaves of Norway Maple Trees to Colocated PM_{2.5} Filters in an Urban Area
Cambal Leah, Sara Gillooly, Brett Tunno, Drew Drew Michanowicz, Daniel Bain, Jane Clougherty, Kyra Naumoff-Shields*
- P-2-04-02 A HYBRID LAND USE REGRESSION/CALINE₃ MODEL FOR PREDICTING NO₂: A SEASONAL COMPARISON
Drew Michanowicz, Leah Cambal, Jessie Carr, Brett Tunno, Sara Gillooly, Jeffrey Howell, Sheila Tripathy, Courtney Roper, Kyra Naumoff-Shields, Jane Clougherty*
- P-2-04-03 A land use regression model for ambient nitrogen dioxide concentration nearby a commercial airport for lowcost flights (Rome-Ciampino)
Alessandra Gaeta, Carla Ancona, Carla Ancona, Andrea Bolignano, Giorgio Cattani, Giulia Cesaroni, Alessandro Di Menno di Bucchianico, Francesco Forastiere, Fabrizio Sacco, Roberto Sozzi*
- P-2-04-04 A Study of the Relationships Between Proximity to an Industrial Complex and Blood Lead Levels and Urinary Cadmium Levels
Jina Heo, Hyo-Mi Kim, Jong-Tae Lee*
- P-2-04-05 ADOLESCENTS AND ITS ASSOCIATION WITH INHALABLE PARTICULATE MATTER (PM₁₀) IN A BRAZILIAN MEDIUM-SIZED CITY
Luiz Pereira, Missagia Suelem, Camila Amaral, Alessandra Jesus, Marcos Arbex, Carmem de Andre, Paulo de Andre, Ubiratan Santos, Lourdes Martins, Saldiva Paulo, Alfésio Braga*
- P-2-04-06 Application of a two-zone exposure model to medical laser-generated particulate matter for two simulated surgical procedures
Steven Lacey, Ramon Lopez*
- P-2-04-07 Climate Change Impacts on Power Plant Emissions, Air Quality and Health in the Eastern US
Limaye Vijay, Monica Harkey, Paul Meier, Tracey Holloway, Jonathan Patz*
- P-2-04-08 Comparison of Exposure Estimation Methods for Air Pollutants
Mercedes Bravo, Sergey Napelenok, Michelle L. Bell*
- P-2-04-09 Development of LUR models for particle composition in 20 study areas in Europe
Kees de Hoogh, Meng Wang, Ming-Yi Tsai, Rob Beelen, Bert Brunekreef, Gerard Hoek*
- P-2-04-10 Exploring the Influence of Time-Activity Patterns on Personal Exposure to PM_{2.5} in Different Microenvironments in Al Jubail Industrial City, Saudi Arabia
Salem Albalawi, Susan Hodgson, Anil Namdeo, Tanja Pless-Mulloli*
- P-2-04-11 Exposure assessment on the relationship between daily activity patterns and indoor air quality in university buildings
Duck Shin Park, Jin Ki Eom, Keun Yul Yang, Soon-Bark Kwon, Wootae Jeong, Ki Chul Cho, In Young Jeong, Sung-Joon Bae, Kiyoun Lee*
- P-2-04-12 How Does an Anti-Idling Campaign Affect the Indoor Aerosol at Schools?
*Sergey Grinshpun, Michael Yermakov, Jinyong Kim, Tiina Reponen, Patrick Ryan**
- P-2-04-13 Incorporating Local Land Use Regression And Satellite Aerosol Optical Depth In A Hybrid Model Of SpatioTemporal PM_{2.5} Exposures In The Mid-Atlantic States
Itai Kloog, Francesco Nardio, Brent A. Coull, Joel D. Schwartz*
- P-2-04-14 Indoor and outdoor PM source apportionment study during a period of extensive fireplaces use in Athens, Greece.
Dikaia Saraga, Thomas Maggos, Evangelia Diapouli, Kostas Eleftheriadis, Sotirios Karavoltzos, Aikaterini Sakellari, Christos Vasilakos*
- P-2-04-15 RF and ELF electromagnetic field exposure of children in the french ELFE birth cohort
Ghislaine Bouvier, René de Seze, Gaelle Coureau, Blandine Vacquier, Isabelle Baldi*
- P-2-04-16 Saharan dust and forest fires in Southern Europe in the period 2001-2011: estimation and geographical distribution
Jorge Pey, Noemi Perez, Xavier Querol, Andrés Alastuey, Francesco Forastiere, Massimo Stafoggia, Study group MED-PARTICLES*

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- P-2-04-17 SEASONAL AND SPATIAL VARIATION OF INDOOR AND OUTDOOR PARTICULATE MASS AND NITROGEN DIOXIDE CONCENTRATION IN EIGHT SWISS AREAS
Harish C. Phuleria, Alex Ineichen, Elisabetta Corradi, Ming-Yi Tsai, Christian Schindler, Nicole Probst-Hensch, Nino Kuenzli*
- P-2-04-18 Spatial and temporal variation of the oxidative potential of PM_{2.5} and its relation to PM_{2.5} mass concentrations
Aileen Yang, Bryan Hellack, Gerard Hoek, Bert Brunekreef, Thomas A. J. Kuhlbusch, Flemming Cassee, Nicole Janssen*
- P-2-04-19 Spatial Variability of Chronic Stressors and Fine-Scale Air Pollution Based on Proximity to Patient Residences of the Pittsburgh AsthmaNet Cohort
Sheila Tripathy, Jessie Carr, Brett Tunno, Drew Michanowicz, Fernando Holguin, Jane Clougherty*
- P-2-04-20 Ten-Year Trend of Air Toxics in Krakow, Poland
Hyunok Choi, Steven Melley, John D. Spengler*
- P-2-04-21 Validation of a Chlorine Gas Plume Dispersion Model with Available Indicator Data
*Dev Jani, David Reed, Tracy Middleton, Lisa Detter-Hoskin, Michele Harmon, Anja Schulze, Andrew Lawson, Erik Svendsen**
- P-2-04-22 A cross-sectional assessment of ambient air pollution exposure and leukocyte telomere length in US women
Jaime E. Hart, Jennifer Prescott, Immaculata De Vivo, Francine Laden*

05 HEALTH EFFECTS OF AIR POLLUTION

- P-2-05-01 Acrolein and COPD in a Nationally Representative Sample of United States Adults 55 and Over
*Rey Decastro**
- P-2-05-02 Air pollution and preterm birth – are women with asthma at greater risk?
Pauline Mendola, Rajeshwari Sundaram, Kira Leishear, Tuija Mannisto, Danping Liu, Candace Robledo, Qi Ying, Seth Sherman, S. Katherine Laughon*
- P-2-05-03 Air pollution exposure and adverse pregnancy outcomes
David Olsson, Ingrid Mogren, Bertil Forsberg*
- P-2-05-04 AN ASSESSMENT OF THE IMPACT OF EMISSIONS FROM OIL STORAGE AND TRANSHIPMENT FACILITIES ON THE HEALTH OF LOCAL CHILDREN
May Irina, Zaitseva Nina*
- P-2-05-05 Asbestos and Malignant Pleural Mesothelioma in the Metropolitan Area of Guadalajara, Jalisco.
Maria Alejandra Pila Villalobos, Jose Guillermo Alonso Arvizu, Ruth Araceli De Celis Carrillo*
- P-2-05-06 Associations between Ambient Air Pollution and Preterm Births and Low Birth Weights in Wuhan, China
Zhengmin Qian, Shengwen Liang, Bin Zhang, Shaoping Yang, Rong Yang, Ke Hu, Jing Wang, Louise Flick*
- P-2-05-07 Associations of Ambient Air Pollution with Chronic Obstructive Pulmonary Disease Hospitalization and Mortality
Wenqi Gan, Mark Fitzgerald, Christopher Carlsten, Mohsen Sadatsafavi, Michael Brauer*
- P-2-05-08 Beyond traffic: PM_{2.5} and lung function in a rural cohort study of children with asthma
Christine Loftus, Michael Yost, Paul Sampson, Catherine Karr*
- P-2-05-09 BUILDING USED AS A SHELTER TO PROTECT PEOPLE AGAINST ACCIDENTAL TOXIC RELEASES
Gaelle Guyot, Sandrine Charrier, Rémi Carrié*
- P-2-05-10 Changes in particulate matter soil content drive size, regional and seasonal related inflammatory potential
Jesus Serrano, Brisa N. Sánchez, Natalia Manzano-León, Raúl Quintana, Elizabeth Vega, Leonora RojasBracho, Felipe Vadillo-Ortega, Irma Rosas, Marie S O'Neill, Álvaro Osornio-Vargas*
- P-2-05-11 CONGENITAL HEART ANOMALIES AND INDUSTRIAL SOURCES IN THE VALENCIAN REGION, SPAIN
Marisa Estarlich, Miguel Angel Martinez-Beneito, Clara Cavero, Javier García-Pérez, Rebeca Ramis, Carmen Iñiguez, Gonzalo Lopez-Abente, Ferran Ballester, Oscar Zurriaga, Carmen Martos*

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- P-2-05-12 Early impact of adolescent smoking on atherogenesis – Results from the SAPALDIA Youth Study
Julia Dratva, Nicole Probst-Hensch, Arno Schmidt-Trucksäss, Seraina Caviezel, Eric de Groot, Lanja Saleh, Jean-Michel Gaspoz, Thierry Rochat, Nino Kuenzli, Elisabeth Zemp*
- P-2-05-13 Early life exposure to air pollution and respiratory symptoms in an Italian birth cohort
Andrea Ranzi, Daniela Porta, Chiara Badaloni, Giulia Cesaroni, Paolo Lauriola, Marina Davoli, Francesco Forastiere*
- P-2-05-14 Exposure of cyclists to black carbon in an urban environment
Jan Theunis, Bart Elen, Joris Van den Bossche, Jan Peters, Bernard De Baets*
- P-2-05-15 Hazardous air pollutants and risk of breast cancer among a cohort of California teachers
Peggy Reynolds, Susan Hurley, Erika Garcia, Debbie Goldberg, Andrew Hertz, David O. Nelson*
- P-2-05-16 Health Effects of Particulate Matter (PM) Components
Ronald Wyzga, Annette Rohr*
- P-2-05-17 Impact of maternal exposure to nitrogen dioxide (NO₂) during pregnancy on birth weight: a preliminary study in São Paulo, Brazil.
Camila M. Villegas Cintra, Luciana D. M. Pastro, Lourdes C. Martins, Alféio L.F. Braga, Silvia R.D.M. Saldiva, Rossana P.V. Francisco, Sandra E. Vieira, Paulo H.N. Saldiva, Luiz A.A. Pereira*
- P-2-05-18 Inhalation Exposure and Cancer: Linking Environmental and Biospecimen Samples
*Quentin Malloy, James Raymer, Cortina Johnson, Jocelin Deese-Spruil, Elizabeth Frey, Lisa Henry, Jonathan Thornburg**
- P-2-05-19 Investigating the association between birth weight and complementary air pollution metrics in Southern California
Olivier Laurent, Jun Wu, Lianfa Li, Scott Bartell*
- P-2-05-20 Long-term air pollution exposure and childhood cancers in Tehran, Iran
*Morteza Seifi, Sadegh Niazi Esfyani, Hossein Arfaeina, Masud Yunesian, Hassan Amini**
- P-2-05-21 Long-Term Exposure to Ambient Air Pollution and Incidence of Coronary Events – Analysis of Eleven European Cohorts from the ESCAPE Project
Giulia Cesaroni, Francesco Forastiere, Bert Brunekreef, Annette Peters, Cardiovascular working group Escape*
- P-2-05-22 Measuring and modeling particulate air pollution using a mobile, bicycle-based platform
Steve Hankey, Greg Lindsey, Julian D. Marshall*
- P-2-05-23 Nitrogen dioxide and mortality: review and meta-analysis of long-term studies
Annunziata Faustini, Regula Rapp, Francesco Forastiere*
- P-2-05-24 Pleural mesothelioma incidence in the population resident close to an asbestos-cement industry located in an Italian polluted site
Lucia Fazzo, Simona Menegozzo, Maria Eleonora Soggiu, Marco De Santis, Michele Santoro, Valentina Cozza, Amelia Brangi, Massimo Menegozzo, Pietro Comba*
- P-2-05-25 POPULATION COHORT STUDY TO EVALUATE THE HEALTH EFFECTS OF ENVIRONMENTAL AND OCCUPATIONAL EXPOSURES
Francesca Mataloni, Massimo Stafoggia, Ester Rita Alessandrini, Maria Triassi, Annibale Biggeri, Francesco Forastiere*
- P-2-05-26 Prenatal Exposure to Air Pollution and Newborn Blood Pressure
Lenie van Rossem, Steven Melley, Sheryl Rifas-Shiman, Antonella Zanutti, Brent A. Coull, Joel D. Schwartz, Murray A. Mittleman, Emily Oken, Matthew Gillman, Petros Koutrakis, Diane R. Gold*
- P-2-05-27 Proximity of busy road increases the prevalence of heart disease – results from RHINE Tartu cohort
Mihkel Pindus, Hans Orru*
- P-2-05-28 Residential Exposure to Polycyclic Aromatic Hydrocarbons and Risk of Childhood Acute Lymphoblastic Leukemia
Nicole C. Deziel, Rudolph P. Rull, Joanne S. Colt, Catherine Metayer, Peggy Reynolds, Todd P. Whitehead, Robert B. Gunier, Patricia A. Buffler, Mary Ward*
- P-2-05-29 Spatio-temporal Associations Between Birth Defects and Distance to Road
Mariam Girguis, Scott Bartell, Veronica Vieira*

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- P-2-05-30 Symptoms following exposure to the Eyjafjallajökull volcanic eruption – at the eruption's end and six months later
Hanne Krage Carlsen, Thorarinn Gislason, Haraldur Briem, Gudrun Petursdottir*
- P-2-05-31 The association between air pollution and lung function in Children
Yi-Chun Chen, Yu-Li Huang, Yu-Kang Chang, Fung-Chang Sung, Yu-Chun Wang*
- P-2-05-32 The impact of acute exposure to desert dust on hospitalizations due to acute coronary syndrome. Gender effect.
Alina Vodonos, Michael Friger, Itzhak Kutra, Helena Krasnov, Victor Novack*
- P-2-05-33 The relationship between sulfur dioxide exposure and the health of adult Miyakejima residents
Takeshi Kochi, Satoko Iwasawa, Tazuru Tsuboi, Makiko Nakano, Takamoto Uemura, Shigeru Tanaka, Kazuyuki Omae*
- P-2-05-34 Traffic related air pollution and adult asthma incidence: the European Study of Cohorts for Air Pollution Effects (ESCAPE)
Bénédicte Jacquemin, Valérie Siroux, Margaux Sanchez, Anne-Elie Carsin, Anna Hansell, Anna Buschka, Christophe Declercq, Tamara Schikowski, Nino Kuenzli, Francine Kauffmann*
- P-2-05-35 Unconventional Natural Gas Development and Infant Health: Evidence from Pennsylvania
*Elaine Hill**
- P-2-05-36 URBAN AIR POLLUTANT AND BLOODS PARAMETERS OF CHILDREN
Otgon Galsanjav, Otgon Galsanjav*
- P-2-05-37 Weather, air pollution, and out-of-hospital cardiac arrest in New York City, 2007-2010
Kazuhiko Ito, Zev Ross, John Freese, James Braun, George Thurston, David Prezant, Robert Silverman*

o6 SOURCE SPECIFIC AND MULTI AIR POLLUTION MODELS

- P-2-06-01 Association between Saharan dust days and emergency hospital admissions in Canary Islands
*Olga Costa, Elena López-Villarrubia, Carmen Iñiguez, Ferran Ballester**
- P-2-06-02 Atopy at age 1 and traffic-related Air pollution: an investigation of exposure measures in the Canadian Health Infant Longitudinal Development (CHILD) birth coh
Hind Sbihi, Ryan W. Allen, Allen Becker, Diana Lefebvre, Piush Mandhane, Malcolm R. Sears, Padmaja Subbarao, Stuart E. Turvey, Michael Brauer*
- P-2-06-03 BRAIN-DERIVED NEUROTROPHIC FACTOR (BDNF) SERUM LEVELS POST EXPOSURE TO TRAFFIC RELATED AIR POLLUTION AND INTERDEPENDENCIES WITH PHYSICAL ACTIVITY
Nadine Kubesch, Audrey Audrey de Nazelle, David Martínez, Laura Bouso, Mark J Nieuwenhuijsen*
- P-2-06-04 Carcinogenic health risks due to exposure to PM_{2.5}-bound metals in indoor environments
Klara Slezakova, Simone Morais, Maria do Carmo Pereira*
- P-2-06-05 Characterizing noise and particulate matter in the vehicle microenvironment
Chandresh Ladva, Justin Chen, Brent Johnson, Jeremy Sarnat*
- P-2-06-06 Childhood cancer and traffic-related air pollution exposure in pregnancy and early life
*Jun Wu, Christina Lombardi, Travis Meyers, Michelle Wilhelm, Myles Cockburn, Beate Ritz**
- P-2-06-07 Commuter exposure to ultrafine particles and health effects: a review of 47 studies
Luke Knibbs, Thomas Cole-Hunter, Lidia Morawska*
- P-2-06-08 Comparison of source apportionment methods in a time-series investigation of source-resolved particle mixtures and cardiorespiratory emergency department visits
Stefanie Sarnat, Andrea Winquist, Marissa Maier, Philip K. Hopke, James Mulholland, Jeremy Sarnat, Paige Tolbert, Armistead Russell*
- P-2-06-09 Estimating the contribution of traffic-related pollutants to urban air quality for applying a hybrid modeling approach
Yoon-Hee Kang, Yoo-Keun Kim, In-Bo Oh, Jin-Hee Bang, Jae-Eun Kang, Mi-Kyoung Hwang*
- P-2-06-10 Estimation of intake fractions for benzene from motor vehicles by prefecture in Japan
Tomohide Iwata, Satoshi Nakai*

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- P-2-06-11 High-Density Air Sampling of Traffic Pollutants, Including 1-Nitropyrene, to Inform Fine-Scale Spatial Models of Diesel Exhaust
Jill Schulte, Julie Fox, Sheryl Magzamen, Assaf Oron, Nancy Beaudet, Christopher Simpson, Michael Paulsen, Joel Kaufman*
- P-2-06-12 Long-term exposure to traffic-related air pollution and cardiac events in four cohorts from Stockholm
Michal Korek, Tom Bellander, Ulf de Faire, Laura Fratiglioni, Claes-Göran Östenson, Nancy Pedersen, Göran Pershagen, Johanna Penell*
- P-2-06-13 Particle size dependence of respiratory tract uptake in a population cohort
Otto Hänninen, Riikka Sorjamaa, Pasi Lipponen, Leena Kangas, Ari Karppinen, Tarja Yli-Tuomi*
- P-2-06-14 Particulate Air Pollution and Preeclampsia: A Source-based Analysis
Payam Dadvand, Bart Ostro, Fulvio Amato, Francesc Figueras, María-Cruz Minguillón, David Martínez, Xavier Basagaña, Xavier Querol, Mark J Nieuwenhuijsen*
- P-2-06-15 Prevalence of prominent outdoor air pollution sources and asthma medication expenditures by state in the U.S.
Ashley Mapou, Derek Shendell*
- P-2-06-16 Sources of fine particulate air pollution and systemic inflammation
Taina Sipilä, Tarja Yli-Tuomi, Minna Aurela, Risto Hillamo, Maija-Riitta Hirvonen, Kati Huttunen, Juha Pekkanen, Raimo O Salonen, Pauliina Taimisto, Pekka Tiittanen, Timo Lanki*
- P-2-06-17 Spatial-Temporal Variation of Pollutants in the Near-Road Environment
Nichole Baldwin, Philip K. Hopke, Stuart Batterman, Suresh Raja, Thomas Robins*
- P-2-06-18 Structural Equation Modeling in a Near-Highway Exposure Study: Ultrafine Particles and Association with Cardiovascular Disease Risk
Kevin Lane, Christina Fuller, Jonathan Levy, Madeleine Kangsen Scammell, Allison P Patton, John L Durant, Wig Zatore, Mkaya Mwamburi, Doug Brugge*
- P-2-06-19 Structural equation modeling of parasympathetic and sympathetic response to traffic air pollution in a repeated measures study
Emmanuel S. Bala, Joel D. Schwartz, Brent A. Coull, Gregory A. Wellenius, Pantel S. Vokonas, Helen H. Suh*
- P-2-06-20 Traffic-related air pollution and adverse pregnancy outcomes in a multi-ethnic society. Results from the Born in Bradford cohort study.
Anna Schembri, Kees de Hoogh, Payam Dadvand, Marie Pedersen, David Martínez, Gerard Hoek, Emily Petherick, John Wright, Mark J Nieuwenhuijsen*
- P-2-06-21 WHO REVIHAAP Question C-10: contribution of ambient air pollution to total exposure considering exposures from indoor, commuting and work environments
Matti Jantunen, Eduardo Oliveira Fernandes, Marie-Eve Héroux*

o8 HOUSEHOLD AIR POLLUTION EXPOSURE ASSESSMENT

- P-2-08-01 A comparison of size distribution and chemical composition of fine particles in residential and traffic sites
Stefano Zauli Sajani, Isabella Ricciardelli, Dimitri Bacco, Silvia Ferrari, Claudio Maccone, Stefano Marchesi, Fabiana Scotto, Arianna Trentini, Paolo Lauriola, Vanes Poluzzi*
- P-2-08-02 A Mass Transfer Model to Predict the Performance of Tube-type Passive Samplers for Exposure Determination of Volatile Organic Compounds
Zhengjian Du, Jinhan Mo, Yinping Zhang*
- P-2-08-03 An indoor air filtration study in homes of elderly: cardiovascular and respiratory effects of exposure to particulate matter
Dorina Gabriela Karotki, Michal Spilak, Marie Frederiksen, Lars Bo Gunnarsen, Elvira V. Brauner, Zorana J. Andersen, Torben Sigsgaard, Peter Møller, Steffen Loft, Barbara Kolarik*
- P-2-08-04 AN INITIAL ASSESSMENT OF WINTER TRENDS IN INDOOR PARTICULATE POLLUTION (PM_{2.5}) IN THE GER REGION OF ULAANBAATAR, MONGOLIA
L. Drew Hill, B. Temuujin, Yumchindorj D., Rufus Edwards, G. Suvdaa, G. Jargalsaikhan, Nicholas Lam, Chimedsuren O., Damka O., Ajay Pillarisetti*
- P-2-08-05 Challenges in Harmonizing the Evaluation of Building Products Emissions in Europe
*Christine Daeumling, Maria Scutaru**

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- P-2-08-06 Determination of the potential for dermal exposure from transfer of lubricants and fuels
bu consumers
Karen Galea, Alice Davis, David Todd, Carolyn McConagle, Laura MacCalman, John Cherrie, Chris Money, Alison Margary, Jan Urbanas, Arlean Rohde*
- P-2-08-07 Distribution of mass concentration and chemical analysis of particulate matters (PM_{2.5}, PM₁₀) in indoor parking lots in Korea
hyun ah Ji, In-Keun Shim, Wooseok Lee, Sooran Won*
- P-2-08-08 Dry cleaning tetrachlorethylene pollution impact on indoor air quality in Paris territory
Thiault Guenael, Ghislaine Goupil, Claudine Delaunay, Eddie Faure, Loic Paillat, Laurence Durupt*
- P-2-08-09 Emission fluxes of different metals in aerosol emitted during frying-Effect of frying pan
Phillip K. Hopke, Mehdi Amouei Torkmahalleh, David Schamberger, James Laing, Alan Rossner, Andrea Ferro*
- P-2-08-10 Evaluation of a new thermo-regenerative air cleaning device for reducing indoor exposure of multiple gasphase contaminants
Jinhan Mo, Zhengjian Du, Yinping Zhang*
- P-2-08-11 Exposure of Nanoparticles in Indoor Air and on Interior Surfaces – A Study of Detection Techniques
Norbert Weis, Marina Wasmuth, Chris Vanessa Sumowski, Britta Neuweiger, Marcus Bäumer, Michael Köhler*
- P-2-08-12 Factors Influencing Indoor Air Quality in an Urban High-Rise Apartment Building
Markey Johnson, Gary Mallach, Ryan Kulka, Russell Dietz, Terry Sullivan, Mark Gibson, Lance Wallace, Halûk Ozkaynak, Ronald Williams, Amanda Wheeler, Keith Van Ryswyk*
- P-2-08-13 Feasibility study on the adsorptive control of indoor CO₂ inside car by using solid CO₂ adsorbent
Youngmin Cho, Seung-Woo Hong, Duck Shin Park, Soon-Bark Kwon, Woo-Sung Jung*
- P-2-08-14 Housing characteristics and practices that potentially contribute to air pollution in Cali, Colombia
Nathalie Abrahams, Diana Maria Caicedo-Borrero, Fabián Mendez*
- P-2-08-15 Indoor Air Quality and Related Factors in University Oil Painting Classrooms
Ruey-Yu Chen, Kun-Yi Chang, Ching-Ying Yeh, Ling-Chu Chien*
- P-2-08-16 Indoor Air Quality in Bank Offices
Luca Del Buono, Andrea Spinazzè, Davide Campagnolo, Andrea Cattaneo, Paolo Carrer, Domenico Maria Cavallo*
- P-2-08-17 Indoor Air Quality in Green vs. Non-green Homes
Kanistha Chatterjee, Eric Kettleson, Reshmi Indugula, Patrick Ryan, Sergey Grinshpun, Gary Adamkiewicz, Tiina Reponen*
- P-2-08-18 Indoor Residential Fate Model of Phthalate Plasticizers
Ying Xu, Yirui Liang*
- P-2-08-19 Microbial volatile organic compounds (MVOC), plasticizers and formaldehyde in dwellings in North European cities in relation to sick building syndrome (SBS)
Bo Sahlberg, Maria Gunnbjörnsdottir, Argo Soon, Rain Jogi, Thorarinn Gíslason, Gunilla Wieslander, Christer Janson, Dan Norbäck*
- P-2-08-20 Miniaturization of colorimetric and fluorimetric analyzers for the gaseous formaldehyde detection
Maud Guglielmino, Alaa Allouch, Pierre Bernhardt, Christophe A. Serra, Stéphane Le Calvé*
- P-2-08-21 Outdoor Sources of Residential Indoor Particulate Reactive Oxygen Species
Shahana Khurshid, Jeffrey A. Siegel, Kerry Kinney*
- P-2-08-22 PAHs and BTEX in schools, houses and offices of Rome, Italy.
Balducci Catia, Paola Romagnoli, Perilli Mattia, Cecinato Angelo*
- P-2-08-23 Ultrafine particles: Exposure and source apportionment in 56 Danish homes
Gabriel Bekö, Charles Weschler, Aneta Wierzbicka, Dorina Gabriela Karottki, Jørn Toftum, Steffen Loft, Geo Clausen*
- P-2-08-24 VOC emissions from flexible joint sealants – an underestimated building product group
Heidrun Hofmann, Michael Köhler, Norbert Weis*

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09 HEALTH EFFECTS OF HOUSEHOLD AIR POLLUTION

- P-2-09-01 A Pilot Study Evaluating Changes to Household Emissions and Health Risk Following Indonesia's Liquified Petroleum Gas (LPG) Conversion Program
Lam Nicholas, Christina Aristanti, Prianti Utami, Michael N. Bates, Indar Priyaji, Moh Zakky, Maura Lillis, Kirk R. Smith*
- P-2-09-02 Acute Respiratory Infection among children and adverse pregnancy outcome: An Impact of indoor pollution in Rural India
Lopamudra Paul, Ramesh Chellan*
- P-2-09-03 Air filtration in buildings – a potential technique for protecting occupants against fine particles from outdoor sources
Aimo Taipale, Sanna Saarikoski, Arto Pennanen, Risto Hillamo, Raimo O Salonen, Matti Lehtimäki*
- P-2-09-04 Analysis of carbon monoxide hospital admissions in England – what can we learn about accidental poisoning?
Rebecca Close, Rebecca Ghosh, Lucy McCann, Anna Hansell, Giovanni Leonardi*
- P-2-09-05 Assessing household level exposure reductions associated with use of improved biomass cook-stoves in India: Results from field assessments for Project Surya
Sankar Sambandam, Santu Ghosh, Arulselvan Sadasivam, Rengaraj Siva, Sathish Madhav, Krishnendu Mukhopadhyay, Kalpana Balakrishnan, Hafeez Rehman, Veerabhadran Ramanathan*
- P-2-09-06 Association between household wood burning and low-grade systemic inflammation
Anu W Turunen, Taina Siponen, Tarja Yli-Tuomi, Pekka Tiittanen, Satu Männistö, Juha Pekkanen, Timo Lanki*
- P-2-09-07 Biomass Burners and Respiratory Diseases: Geospatial Findings and Epidemiological Design Issues
H Dean Hosgood, Christopher Farah, Janet Hock*
- P-2-09-08 BUILDING COMPULSORY REGULATION CONTROLS: A PRECIOUS SOURCE OF FIELD DATA ON VENTILATION SYSTEMS QUALITY
Gaelle Guyot, Romuald Jobert*
- P-2-09-09 Can ventilation reduce indoor exposure to SVOCs?
Cong Liu, Yinping Zhang, John C. Little*
- P-2-09-10 Carbon dioxide concentration levels and ventilation rates of naturally ventilated university classrooms in the hot summer and cold winter area of China
Xiaojian Xie, Xiaoyu Shen, Hu Huang, Mei Liao, Wan Hu*
- P-2-09-11 Characterization of microorganisms colonizing ventilation grills at South African Hospitals
*Ntsoaki Malebo**
- P-2-09-12 Chronic health risks in retail buildings and their dependence on ventilation rates and filtration efficiencies
Marwa Zaatari, Jeffrey A. Siegel, Josh Aldred*
- P-2-09-13 Classroom air quality and pupil attendance and attainment in Aberdeen primary schools
Santosh Gaihre, Sean Semple, Steve Turner*
- P-2-09-14 Cooking with an open woodfire is associated with short-term increases in blood pressure and pulse among rural Guatemalan women
Mann Jennifer, Lisa M. Thompson, Kirk R. Smith, Carolina Romero, John R. Balmes*
- P-2-09-15 Effect of ventilation on PCB concentration in indoor air in a contaminated classroom
Nadja Lyng, Elvira V. Bräuner, Helle Vibeke Andersen, Lars Bo Gunnarsen*
- P-2-09-16 Exposure of scented candle combustion aerosol on stress-induced cardiopulmonary injury
Ming-Yie Liu, Se-Ping Chien, Chih-Ching Chang, Dur-Zong Hsu, Perng-Jy Tsai*
- P-2-09-17 Formaldehyde exposure and allergic disease: MOthers and Children's Environmental Health (MOCEH)
Eun-Kyo Park, HyeSook Park, Yun Chul Hong, Mina Ha, Yangho Kim, Byung-Mi Kim, Eunjeong Kim, Eun-Hee Ha*
- P-2-09-18 "Free to Breathe, Free to Teach" study: Determinants of Relative Humidity Control in Schools
Kim Angelon-Gaetz, Karin Yeatts, David Richardson, Steve Marshall*

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- P-2-09-19 Household Particles, Coffee Consumption and Heart Rate Variability
*Kai-Jen Chuang**, *Hsiao-Chi Chuang*, *Lian-Yu Lin*
- P-2-09-20 How to assess occupants' health and comfort in buildings?
*Philomena M. Bluysen**
- P-2-09-21 Lowering TVOC is necessary to prevent sick building syndrome
*Masamichi Hanazato**, *Emiko Todaka*, *Hiroko Nakaoka*, *Hiroshi Seto*, *Chisato Mori*
- P-2-09-22 Numerical Study of the Internal Air Quality in Classroom Equipped with Personalized Ventilation
*Eusébio Conceição**, *Cristina I. M. Santiago, M^a*, *Manuela J. R. Lúcio*
- P-2-09-23 Real-time indoor PM measurements during dust storms and the association with lung function in COPD patients
*Helena Krasnov**, *Michael Friger*, *Alina Vodonos*, *Itzhak Katra*, *Luna Avnon*, *Victor Novack*
- P-2-09-24 Results from a national housing quality, health and safety questionnaire
*Mari Turunen**, *Kati Iso-Markku*, *Maria Pekkonen*, *Ulla Haverinen-Shaughnessy*
- P-2-09-25 Risk assessments of TVOC compositions in new buildings
*Atsushi Mizukoshi**, *Takahiko Iida*, *Rumi Konuma*, *Tomoko Hamano*, *Kensuke Kawarada*, *Miyuki Noguchi*, *Yukio Yanagisawa*
- P-2-09-26 Sex-based differences in subjective symptoms among medical students exposed to low-levels of formaldehyde in a gross anatomy dissection course
*Mihoko Mori**, *Tatsuya Ishitake*, *Tsuyoshi Saga*, *Koichi Yamaki*
- P-2-09-27 Study on the association of indoor air pollution with exhaled nitric oxide of asthma children
*Chunyu Xu**, *Dongqun Xu*, *Na Li*, *Tiantian Li*, *Xia Lin*, *Qin Wang*, *Yunpu Li*
- P-2-09-28 Systematic review of the epidemiology literature on formaldehyde and cancers of the upper respiratory tract
*Thomas Bateson**, *Glinda Cooper*, *Barbara Glenn*
- P-2-09-29 Systematic review of the epidemiology literature on formaldehyde and lymphohematopoietic cancers
*Thomas Bateson**, *Glinda Cooper*, *Barbara Glenn*
- P-2-09-30 The Climate Cookstove Connection: A Review
*Katherine Bronstein**
- P-2-09-31 UFP from indoor sources and physiological changes – a randomized sham-controlled exposure study of healthy volunteers
*Vanessa Soppa**, *Bryan Hellack*, *Ulrich Quass*, *Roel P. F. Schins*, *Thomas A. J. Kuhlbusch*, *Barbara Hoffmann*
- P-2-09-32 Women's lung function decline after eight years of an efficient stove intervention
*Astrid Schilman**, *Horacio Riojas Rodríguez*, *Rogelio Pérez-Padilla*, *Isabelle Romieu*, *Rosario Fernández Plata*, *Brenda Carolina Romero Orellana*, *Víctor M Berrueta*

12 CLIMATE CHANGE

- P-2-12-01 Applicability of ASHRAE Standard 55 and EN 15251 Adaptive Thermal Comfort Models in Hot-and-Humid Climate
*Reuy-Lung Hwang**, *Chen Chen-Peng*, *Feng-Yi Lin*, *Wen-Mei Shih*, *Kuo-Tsang Huang*
- P-2-12-02 Building characteristics are associated with high temperatures in dwellings of elderly people
*Joris van Loenhout**, *Amanda le Grand*, *Gerard Hoek*, *Frans Duijm*, *Moniek Zuurbier*
- P-2-12-03 Chronic air pollution and social deprivation as modifiers of the association between high temperature and daily mortality
*Tarik Benmarhnia**, *Youssef Oulhote*, *Claire Petit*, *Séverine Deguen*, *Denis Zmirou-Navier*
- P-2-12-04 Climate change trends and their role in re-emergence of vivax malaria in European Russia
*Mironova Varvara**, *Dmitry Orlov*
- P-2-12-05 Climate variability and mortality in pre-industrial Northern Sweden
*Barbara Schumann**, *Jocim Rocklöv*

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- P-2-12-06 Comparative study of the relationship between regional climate factors and local weather in Western Pacific countries
Yoonhee Kim, Ho Kim, Hae-Kwan Cheong, Masahiro Hashizume, Yasushi Honda, Jinseob Kim, Clara Tammy Kim, Jin-Hee Eum, Chisato Imai*
- P-2-12-07 Comparison of impacts of hot spells on mortality and morbidity for cardiovascular diseases in the Czech Republic, 1994-2009
Jan Kysely, Hana Davidkova, Eva Plavcova, Bohumir Kriz*
- P-2-12-08 Developing Physiological Equivalent Temperature and assessing hot and cold spots for small geographical areas in a subtropical city Hong Kong
Qishi Zheng, Thuan Quoc Thach, Poh-Chin Lai, Patsy YK Chau, Crystal CY Choi, Heiko Jahn, Dietrich Plaf, Alexander Krämer, Lutz Katzschner, Chit-Ming Wong*
- P-2-12-09 Does cold spell make problem these days when global warming is on the progress?
*Ho Kim**
- P-2-12-10 Effect of absolute humidity on heat-mortality relation in Japan
Yasushi Honda, Masahide Kondo, Emiko Minakuchi, Momoko Kayaba, Koichi Nakazawa, Kazutoshi Sugimoto, Yoonhee Kim, Ho Kim, Yue Leon Guo, Masahiro Hashizume*
- P-2-12-11 Effect of weather as biometeorologic on hospital admissions in the UK: biometeorological methods comparison
Ivy Shiue, Stefan Muthers*
- P-2-12-12 EPIDEMIOLOGICAL CHARACTERISTIC OF DISTRIBUTION FOR ANIMAL AND HUMAN ANTHRAX
Davaa Gombojav, Burmaa Horoljav, Darmaa Munhdorj*
- P-2-12-13 Exposure to an Aggregate Climate Change Metric and Respiratory Health Outcomes in the Continental US
Crystal Romeo, Amir Sapkota*
- P-2-12-14 Future Mortality due to extreme heat in an aging population of Japan
Kayo Ueda, Chris Fook Sheng Ng, Daisuke Goto, Toshinori Ariga, Keisuke Matsuhashi, Akinori Takami*
- P-2-12-15 Heat related deaths in India: An insidious environmental threat
Gulrez Shah Azhar, Amrutasri Nori-Sarma, Dileep Mavalankar, Ajit Rajiva, Jeremy Hess, Kim Knowlton, Perry Sheffield*
- P-2-12-16 Heatwave-associated excess mortality in Freiburg and Rostock in 2003 and 2005 – methods and results
Martin-Immanuel Bittner, Matthias Nuebling, Ulrich Stoessel*
- P-2-12-17 Increased mortality from extended cold weather, Ireland 1984-2007
Stephen Browne, Ariana Zeka, Patrick G. Goodman, Helen McAvoy*
- P-2-12-18 Monthly Stratified Analysis Captures Various Impact of Temperature on Mortality
Chao-Yu Guo, Mu-Jean Chen, Chen-Wei Tsai, Huey-Jen Su*
- P-2-12-19 Mortality effects of prolonged heat waves in Finland
Virpi Kollanus, Timo Lanki*
- P-2-12-20 Population adaptation to heat waves and cold spells in East Asia
Youn-Hee Lim, Yasushi Honda, Yue-Liang Guo, Bing-Yu Chen, Yun Chul Hong, Seung-Muk Yi, Ho Kim, NaKyung Kim*
- P-2-12-21 Predictive model of indoor temperature from ambient levels
Nai-Yun Hsu, Yen-Hsu Lin, Wen-Chi Pan, Chao-Yu Guo, Huey-Jen Su*
- P-2-12-22 Quantifying climate change impacts on runoff of zoonotic pathogens from land
Ankie Sterk, Ton de Nijs, Ana Maria de Roda Husman, Jack Schijven*
- P-2-12-23 Recognition of Infectious Diseases like Health Effects of Climate Change in Michoacan, Mexico during 2009-2011.
Alejandro Molina-Garcia, Josefina Martinez-Ponce, Gloria Alicia Figuero-Aguilar, Ramiro Yañez-Gonzalez, Raymundo Puebla-Calderon, Rafael Diaz-Rodriguez, Gerardo Mendoza-Ramirez, Jose Alfonso CervantesGutierrez*
- P-2-12-24 Systematic review of the effects of climate factors on the prevalence and distribution of acute and chronic trachoma
Sari Kovats, Anita Ramesh, Clare Gilbert, Elena Schmidt, Dom Haslam*

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- P-2-12-25 Temperature increase and mortal falls
Arturo Curiel Ballesteros, María Guadalupe Garibay-Chávez*
- P-2-12-26 The association between high temperature and emergency ambulance dispatches: a multi-city analysis
Antonio Gasparrini, Ester Rita Alessandrini, Stefano Zauli Sajani*
- P-2-12-27 The effect of temperature change on mortality in 3 East Asian cities
*Ilsang Ohn, Young-Eun Yi, Youn-Hee Lim, Yasushi Honda, Yue-Liang Guo, Bing-Yu Chen, Ho Kim**
- P-2-12-28 The Effects of meteorological disasters on the incidence of waterborne and foodborne diseases in Republic of Korea, 2001-2009
Wonwoong Na, Sun Hee Kim, Kyungeun Lee, Hyung-Nam Myung, Soo-nam Jo, Jae-Yeon Jang*
- P-2-12-29 The impact of a warming climate on ozone induced mortality
Amir Hakami, Shunliu Zhao, Amanda Pappin, Morteza Mesbah, Joyce Zhang*
- P-2-12-30 The impact of temperature on mortality in three major Chinese cities
Kan Haidong, Jing Zhang*
- P-2-12-31 The impact of threats due to climate change on white corn production and adaptations to ensure food safety
Norma Isalia Villafán Figueroa, María Guadalupe Garibay-Chávez*
- P-2-12-32 The impacts of global and local climates on dengue fever in Lao PDR and Cambodia.
Chisato Imai, Masahiro Hashizume, Hae-Kwan Cheong, Ho Kim, Yasushi Honda, Jin-Hee Eum, Clara Tammy Kim, Jinseob Kim, Yoonhee Kim, Taypasavanh Fengthong*
- P-2-12-33 Weather and Triggering Ventricular Arrhythmias in Patients with Implantable Cardioverter Defibrillators
Jennifer Nguyen, Francine Laden, Mark Link, Joel D. Schwartz, Heike Luttmann-Gibson, Douglas Dockery*

13 BIOMARKER

- P-2-13-01 Association of Food Intake with Urinary Polycyclic Aromatic Hydrocarbons Levels in a Nationally Representative Sample
Kathleen M. Navarro, Jennifer K. Mann, Srinandini Parthasarathy, John R. Balmes, Thomas E. McKone*
- P-2-13-02 Biological monitoring and health effect assessment of arsenic exposure for workers in electro-optics and semiconductor high-tech industries
I Fang Mao, Chung Jung Tsai, Chin Chi Mao, Lee Wang, Mei Chien Chen*
- P-2-13-03 Biological Monitoring of Aromatic Amines – Metabolism of aniline and elimination kinetics of its metabolites after controlled exposure
Tobias Weiß, Holger M. Koch, Heiko U. Käßlerlein, Stephan Koslitz, Hendrik Modick, Georg Dierkes, Jürgen Bünger, Christian Monsé, . Marek*
- P-2-13-04 Biomonitoring and Environmental Public Health Tracking: Making the Link
Jean Johnson, Christina Rosebush, Jessica Nelson, Gonza Namulanda*
- P-2-13-05 Combine testing of environmental exposure and epigenetic biomarker in the detection of oral cancer
Huang Yung-Kai, Bou-Yue Peng, Chia-Yo Wu, Hung-Che Lai*
- P-2-13-06 Concepts for Including Children's Health in a Sustainable Future
Rebecca Rehr, Gregory G. Miller, Brenda Foos*
- P-2-13-07 Considerations for environmental sample storage, laboratory analysis, and results reporting
Maire S.A. Heikkinen, Susan Marie Viet, Michael Dellarco*
- P-2-13-08 Derivation of a health based guidance value for PCB in human blood samples
Knut Rauchfuss, Martin Kraft, Wilhelm Michael*
- P-2-13-09 Determination of perfluorinated compounds in human breast milk by liquid chromatography–triple quadrupole mass spectrometry
Young Lim Kho, Jung Hoan Kim, Eun-Hee Lee, Kyungho Choi, Byung-Jo Ha, Sangshin Park*
- P-2-13-10 Effect of Molybdenum Oxide Interference on Urinary Cadmium Analyses
Gerd Sallsten, Magnus Akerstrom, Thomas Lundh*

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- P-2-13-11 Hair Ionic Profiles and Associations with Obesity Indicators from a Cypriot Young Adult Male Cohort
Syam S. Andra, Joseph Kermah, Konstantinos C. Makris, Costas A. Christophi, Michael Petrou, David C. Christiani, Christos S. Mantzoros, Stefanos N. Kales*
- P-2-13-12 Is game meat consumption associated with lead levels in nails?
Eliana Wendland, Luciane François, Maria Goreti Vale, Adriana Almeida, Morgana Bazzan Dessuy, Giovanni Torri, Daniel Santana, Demétrio Luis Guadagnin*
- P-2-13-13 New human biomonitoring methods for chemicals of interest
Marika Kolossa-Gehring, Ulrike Fiddicke, Gabriele Leng, Holger M. Koch, Petra Apel*
- P-2-13-14 Oxidative Stress Biomarkers in Residents 4 years After the Hebei Spirit Oil Spill
Su Ryeon Noh, Jung Ah Kim, Gwi Heum Eom, Yong Jin Jeon, Hyun Sook Bae, Young-Hyun Choi, Mina Ha, HaeKwan Cheong*
- P-2-13-15 Phthalate exposure and neurobehavioral development at early childhood
Mei-Lien Chen, Yen-An Tsai, Ben-Hua Su, Chia-Huang Chang, Hsiao-Yen Chen, Bao-Chi Liao, Shu-Li Wang*
- P-2-13-16 Predictors and consequences of global DNA methylation in cord blood and at three years
Julie Herbstman, Shuang Wang, Frederica Perera, Sally Lederman, Julia Vishnevetsky, Andrew Rundle, Lori Hoepner, Leena Qu, Deliang Tang*
- P-2-13-17 Prenatal exposure to xenoestrogens and placental DNA methylation of repetitive elements.
Nadia Vilahur, Hyang-Min Byun, Mariona Bustamante, Marina Vafeiadi, Raquel Garcia, Xavier Estivill, Mariana F. Fernandez, Andrea A Baccarelli, Jordi Sunyer*
- P-2-13-18 Relationship of Oral Health Promotion between Effects of Tooth brushing Frequency and Smoking
Seokyeong Lee, Sunguk Youn, Sunshin Kim, Gayeon Hong, Wonho Yang*
- P-2-13-19 Thiocyanate as a Biomarker for Cyanide Exposure in the U.S. Population
Liza Valentín-Blasini, Rey Decastro, Benjamin Blount*
- P-2-13-20 Trends and Patterns in Urinary Phthalate Metabolites during Early Childhood
Joseph Braun, Melissa Eliot, Kimberly Yoltan, Bruce Lanphear*
- P-2-13-21 Urinary paraben concentrations among pregnant women and their matching fetuses of Korea, and the association with oxidative stress biomarkers
Kyungho Choi, Sungeun Kang, Sunmi Kim, Jeongim Park, Hae-Joong Kim, Jeongjae Lee, Gyuyeon Choi, Suyoung Kim, Hyo-Bang Moon, Sungkyoon Kim, Young Lim Kho*
- P-2-13-22 ZOONOTIC INFECTIONS IN COMMUNITIES OF THE JAMES BAY CREE TERRITORY --- AN OVERVIEW OF SEROPREVALENCE
Hugues Sampasa-Kanyinga, Benoît Lévesque, Eladhji Anassour-Laouan-Sidi, Suzanne Côté, Bouchra Serhir, Brian J Ward, Michael D. Libman, Michael A Drebot, Momar Ndao, Kay Makowski, Eric Dewailly*

14 WATER

- P-2-14-01 Statistical approaches to evaluating the association between mother's exposure to perfluoroalkyl substances (PFASs) and birth outcome in North-Rhine Westphalia
Nils Goeken, Katja Ickstadt, Martin Schäfer, Hans-Joachim Bucker-Nott, Michael Wilhelm, Jürgen Hölzer*

17 GREEN SPACES AND PHYSICAL ACTIVITY

- P-2-17-01 Aerobic training in urban environment: blood gene expression profiling
Inge Bos, Patrick De Boever, Jef Vanparijs, Luc Int Panis, Romain Meeusen*
- P-2-17-02 Air Quality and Potential Benefits of LEED Certified Buildings on "Green" School Campuses Near Roadways: A Pilot Study
Derek Shendell, Ashley Mapou*
- P-2-17-03 An analysis on the walking effects in the forests between urban forest and national park : focusing on the Mt. Gwanak and Mt. Odae
Mi-Ae Jeong, Chan Woo Park, Sujin Park, Jae Jun Kim*
- P-2-17-04 Are greener cities healthier? An investigation into the association between green space coverage and health at the city level, in England
Honor Bixby, Daniela Fecht, Lea Fortunato, Susan Hodgson*

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- P-2-17-05 Association between city parks and risk of hypertension amongst reproductive age women
Regina Grazuleviciene, Asta Danileviciute, Audrius Dedele, Jone Vencloviene, Tomas Grazulevicius, Sandra Andrusaityte*
- P-2-17-06 Association between city parks neighbourhood and birth weight
Asta Danileviciute, Audrius Dedele, Regina Grazuleviciene*
- P-2-17-07 Associations between Perceived and Objective Built Environment
Erin Bergman, Kristen C. Malecki, Maggie Grabow, Lynne Morgan, Corinne Engelman, Paul Peppard, Milena Bernardinello, Javier Nieto*
- P-2-17-08 City parks neighbourhood and preschool children asthma in the city of Kaunas
Sandra Andrusaityte, Regina Grazuleviciene, Audrius Dedele, Asta Danileviciute, Jolanta Kudzyte, Tomas Grazulevicius*
- P-2-17-09 Classification of natural environments to assess positive health effects of exposure in different regions of Europe
Graham Smith, Christopher Gidlow, Hanneke Kruize, Regina Grazuleviciene, Marta Cirach Pradas, Wim Swart, Mark J Nieuwenhuijsen*
- P-2-17-10 Contribution of the physical environment to socioeconomic gradients in walking in the Whitehall II study
Triantafyllos Pliakas, Cathryn Tonne, Paul Wilkinson*
- P-2-17-11 Economic valuation of health benefits of walking and cycling in Switzerland
Sonja Kahlmeier, Thomas Götschi*
- P-2-17-12 Effect of forest bathing on immune function and quality of life in breast cancer patients: a controlled pilot study
Soo Rim Noh, Wang Lim Lee, Hee Sung Shin, Min Sun Lee, Tae Seon Baek, In Seok Seo, Sujin Park, Chan Woo Park, Woo-Seok Lee*
- P-2-17-13 Effect of Japanese Cedar on Psychological and Physiological Factors Influencing Fatigue Recovery in an Indoor Environment
Ikuko Bamba, Kenichi Azuma, Saeo Fujita, Yoshio Tsujino, Michiko Uebori, Akitaka Kimura, Masashi Nakamura, Katsuyasu Kouda, Shuichi Kawai*
- P-2-17-14 Effect of low pressure environment on human thermal sensation and physiological parameters in aircraft cabin
Weilin Cui, Qin Ouyang, Yingxin Zhu, Songtao Hu*
- P-2-17-15 Effects of airflow on thermal comfort before sleep onset in a warm and humid climate
Minlin Zhu, Qin Ouyang, Yingxin Zhu*
- P-2-17-16 Green Building Ratings for Healthcare: Indoor Environmental Quality and Environmental Impacts
Ilaria Oberti, Francesca Plantamura*
- P-2-17-17 Green space and spatial analysis of social inequalities in infant mortality in France
Wahida Kihal, Cindy Padilla, Benoît Lalloué, Marcello Gelormini, Denis Zmirou-Navier, Séverine Deguen*
- P-2-17-18 Individual responses to natural and urban environments
Christopher Gidlow, Marc Jones, Gemma Hurst, Daniel Masterson*
- P-2-17-19 Linking Ecosystem Services and Human Health: The Eco-Health Relationship Browser
Laura Jackson, Jessica Daniel, Betsy McCorkle, Alexandra Sears, Kathleen Bush*
- P-2-17-20 National prescribing data and natural environment exposures in England
Christopher Gidlow, Graham Smith, Richard Wilson, Paul Trinder*
- P-2-17-21 Neighborhood Green Space and Pregnancy Outcomes: Disentangling Effects from Air Pollution and Noise Exposures
*Perry Hystad, Hugh Davies, Michael Brauer**
- P-2-17-22 Perceived and Environmental Determinants of Active Transportation Behavior in Wisconsin
Grabow Maggie, Kristen C. Malecki, Erin Bergman, Lynne Morgan, Milena Bernardinello, Corinne Engelman, Paul Peppard, Jonathan Patz, F. Javier Nieto*
- P-2-17-23 Potential for increasing health-beneficial participation in cycling for transportation: a "stages of change" perspective on Barcelona's bike sharing program
Audrey de Nazelle, Ariadna Curto, David Donaire-Gonzalez, Michelle A Mendez, Judith Garcia Aymerich, Thomas Cole-Hunter, Michael Jerrett, Daniel Rodriguez, Mark J Nieuwenhuijsen*

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- P-2-17-24 RELATION OF BUILT URBAN ENVIRONMENT AND WALKING FOR TRANSPORTATION AMONG ADULTS IN CALI-COLOMBIA – MULTILEVEL ANALYSIS
Magda Cristina Cepeda Gil, Luis Fernando Gómez Gutierrez, Olga Lucía Gómez Gutierrez, Janeth Mosquera*
- P-2-17-25 Short-term effects of walking in the forest
Sujin Park, Mi-Ae Jeong, Jeonghee Lee, Chan Woo Park, Jae Jun Kim*
- P-2-17-26 The association between walkability and particulate air pollution
Peter James, Jaime E. Hart, Francine Laden*
- P-2-17-27 The associations between daily spring pollen counts and asthma emergency department visits syndrome in New York City
Kazuhiko Ito, Kate Weinberger, Perry Sheffield, Ramona Lall, Guy Robinson, Patrick Kinney, Thomas Matte*
- P-2-17-28 The clinical effects of forest camp on children with allergic diseases
Sung chul Seo, Young Yoo, Sujin Park, Chan Woo Park*
- P-2-17-29 The effect of urban green space on the risk of coronary events within one year in patients with acute coronary syndromes
Jolanta Stasionyte, Jone Vencloviene, Audrius Dedele, Raimondas Kubilius*
- P-2-17-30 The effectiveness of aerobic exercise intervention on physiological parameters and quality of life
Chien-Yuan Huang, Yun-Ya Fang*
- P-2-17-31 The influence of urban land cover and land use on local climate in Taiwan
Feng-Chi Liao, Ming-Jen Cheng, Reuy-Lung Hwang, Wen-Shan Yang*
- P-2-17-32 The role of urban green areas for quality of life
Katarina Ana Lestan, Ivan Erzen*
- P-2-17-33 Urban forest health diagnosis in critical areas by air pollution in the metropolitan area of Guadalajara, Jalisco
Genaro Gallegos, Martha Georgina Orozco Medina*

18 METALS

- P-2-18-01 ASSESSMENT OF LONG-TERM SPATIAL VARIATION OF HEAVY METALS AND POLYCYCLIC AROMATIC HYDROCARBONS IN URBAN AREAS OF BASEL
Harish C. Phuleria, Siventer Jeyachandren, Elisabetta Corradi, Harald Zechmeister, Nino Kuenzli*
- P-2-18-02 BLOOD LEAD AND MERCURY LEVELS IN CHILDBEARING-AGED WOMEN IN THE METROPOLITAN AREA OF SÃO PAULO
Simone Takeda, Rubia Kuno, Nelson Gouveia*
- P-2-18-03 Cumulative Lead Exposure and Age-Related Cataract in Middle-Aged and Elderly Women
Sung Kyun Park, Debra Schaumberg, Marc G Weisskopf, Howard Hu, Susan A. Korrick*
- P-2-18-04 Dietary factors affecting blood cadmium level in Korean adults.
Minsang Yoo, Soo-Hun Cho, Moyoel Kang, Yun Chul Hong*
- P-2-18-05 Effect of Timing of Lead Exposure in Early Life on Childhood Neurobehavioral Outcomes
Siyang Huang, Howard Hu, Brisa N. Sánchez, David C. Bellinger, Karen E. Peterson, Adrienne Ettinger, Héctor Lamadrid-Figueroa, Lourdes Schnaas, Adriana Mercado-García, Mauricio Hernández-Avila*
- P-2-18-06 Environmental lead exposure- a public health challenge in urban South Africa
Nisha Naicker, Angela Mathee, Brendon Barnes*
- P-2-18-07 Geospatial Modeling of Elevated Blood Lead Levels in Children
Ravi Sharma, Evelyn Talbott, Luann Brink, Gary Marsh, Stacey Benson, Wen Chi Wu*
- P-2-18-08 Investigation of Trends in Lead Contacts Amongst the US Pediatric Environmental Health Specialty Units (PEHSU) Network
Jennifer Mall, Martha Berger, Devon Payne-Sturges*
- P-2-18-09 Is there an influence of maternal lead exposure on infantile development?
Eun-Hee Ha, Min-ha Han, HyeSook Park, Yun Chul Hong, Yangho Kim, Boong-Nyun Kim, Mina Ha*
- P-2-18-10 Lead-in-Blood Safety Criteria for Young Children: International Applications and Ramifications
Eric Rasmuson, Andrey Korchevskiy, Jim Rasmuson*

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- P-2-18-11 Long-term exposure to mercury vapours and renal effects in artisanal gold miners in Colombia
Laura Andrea Rodriguez-Villamizar, Luz Helena Sanchez-Rodriguez, Yolanda Vargas-Fiallo, Oscar FlorezVargas*
- P-2-18-12 Pediatric Lead Exposure and Risk of Asthma
Felicia Rabito, Libby Horter, Elizabeth Langlois, Luann White*
- P-2-18-13 Placental growth and duration of pregnancy in relation to prenatal mercury exposure
Mario Murcia, Ferran Ballester, Sabrina Llop, Maribel Casas, Jesús Ibarlucea, Carmen Iñiguez, Mikel Basterrechea, Jordi Julvez, Isolina Riaño, Adonina Tardon, Marisa Rebagliato*
- P-2-18-14 Prenatal mercury adversely affect neurodevelopment in infants with accelerated growth : MOthers and Childrens' Environmental Health (MOCEH) study
Byung-Mi Kim, HyeSook Park, Yun Chul Hong, Yangho Kim, Mina Ha, Boong-Nyun Kim, Eunjeong Kim, EunKyo Park, Eun-Hee Ha*
- P-2-18-15 Retrospective exposure assessment for the nickel production industry using a Bayesian framework
Yu-Cheng Chen, Gurumurthy Ramachandran*
- P-2-18-16 Survey of multi-metal levels in blood samples of the preschoolers in Taiwan
Yaw-Huei Hwang, Yi-Shuan Lin, Chia-Yu Lin, I-Jen Wang*
- P-2-18-17 The relationship between prenatal lead, cadmium, and arsenic exposure and their neurological effects at three years old in Taiwan
Ling-Chu Chien, Chuen-Bin Jiang, Tzu-Hsuan Yang*
- P-2-18-18 The RIFM Software for Aggregate Exposure Assessment to Fragrance Materials
Cian O'Mahony, E.J. Daly*
- P-2-18-19 The risk of metabolic syndrome in relation to exposure to nickel; a cross-sectional study in Taiwan
Ching-Huang Lai, Nain-Feng Chu, Shu-Li Wang, Jaakkola Jouni, Saou-Hsing Liou*
- P-2-18-20 Urinary levels of some metals among children in the red sludge area
Peter Rudnai, Miklos Naray, Tamas Rudnai, Eszter Toth, Judit Kanizsai*

20 ASTHMA AND ATOPIES

- P-2-20-01 A multi-centre study of air pollution and childhood asthma in Europe – findings from the ESCAPE project
Anna Mölter, Angela Simpson, Bert Brunekreef, Elaine Fuentes, Ulrike Gehring, Olena Gruzieva, Claudia Klümper, Göran Pershagen, Raymond Agius*
- P-2-20-02 Aggravating Factors of Asthma in a Rural Environment Study (AFARE)
Catherine Karr, Christine Loftus, Jenna Armstrong, Griselda Arias, Elizabeth Torres, Maria Tchong-French, Michael Yost*
- P-2-20-03 Allergic Sensitization in Inhabitants 4 years After the Hebei Spirit Oil Spill
Gwi Heum Eom, Su Ryeon Noh, Yong Jin Jeon, Jung Ah Kim, Hyun Sook Bae, Young-Hyun Choi, Mina Ha, HaeKwan Cheong*
- P-2-20-04 Association between annually locality-level exposure to PM10 and adult-onset asthma with factors related to lifestyle; extended Cox proportional hazard model
Honghyok Kim, Shinwoo Kim, Seulkee Heo, Jina Heo, Hyo-Mi Kim, Jong-Tae Lee*
- P-2-20-05 Association between Asthma Prevalence and Body Mass Index in Children
OlfHerbarth, Matthias Richter, Thomas Richter*
- P-2-20-06 Association between exposure to particulate matter and doctor-diagnosed asthma in adults and obesity as an effect modifier
Jina Heo, Seulkee Heo, Jong-Tae Lee*
- P-2-20-07 Association between Household Income and Asthma Symptoms among Elementary School Children in Seoul
Won-Jun Choi, Soyoung Hong, Wan Ryung Lim, Hojang Kwon, Hyung Jung Kim, Chaebong Kim, Jung Hoon Kim, Hae Suk Yang*
- P-2-20-08 Bioaerosols concentrations and antibiotics susceptibility patterns of Staphylococcus aureus (common human pathogen) isolates in air of tertiary care hospital of Poonam Tyagi*
- P-2-20-09 Cat and house dust mite allergen content is stable in frozen mattress dust over time
Anne-Sophie Merritt, Niklas Andersson, Catarina Almqvist*

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- P-2-20-10 Early-life antibiotic use is associated with wheezing among children with high atopic risk: a prospective European study
Wenjie Sun, Erik Svendsen, Johannes Forster, Joachim Kuehr, Wilfried Karmaus*
- P-2-20-11 Formaldehyde exposure and allergic sensitization in children
Zaitseva Nina, Marina Zemlyanova, Oleg Dolgikh*
- P-2-20-12 Home exposure to molds: quantitative PCR using the Environmental Relative Moldiness Index (ERMI) compared to fungal cultures in French dwellings
Delphine Meheust, Tiina Reponen, Stephen Vesper, Jean-Pierre Gangneux*
- P-2-20-13 Indoor dampness and moulds and the risk of rhinitis: A systematic review and meta-analysis
Reginald Quansah, Maritta S. Jaakkola, Timo Hugg, Sirpa Heikkinen, Jouni Jaakkola*
- P-2-20-14 Indoor fungal spores of school and current asthma in schoolchildren.
Chi Hsien Chen, Yue Leon Guo, H. Jasmine Chao*
- P-2-20-15 IVAIRE – A Randomized Controlled Study on the Impact of Ventilation on IAQ and the Symptoms of Asthmatic Children in Single Family Homes – Environmental Aspects
Daniel Aubin, Doyun Won, Hans Schleibinger, Pierre Lajoie, Véronique Gingras, Denis Gauvin, Jean-Marc Leclerc, Marilène Courteau, Suzanne Gingras, Don Fugler*
- P-2-20-16 Model selection (absolute humidity and relative humidity) and Akaike's information criterion (AIC): Association between humidity and asthma admission
E Jin Kim, Ho Kim, Youn-Hee Lim*
- P-2-20-17 Mould Growth and Effects to Occupants in a Government Building
*Anuar Mohd Mokhtar**
- P-2-20-18 Numerical simulation of allergic pollen over a coastal city in Korea
In-Bo Oh, Yangho Kim, Kee-Ryong Choi, Ji Ho Lee, Jin-Hee Bang, Cheol-In Yoo*
- P-2-20-19 Perinatal exposure to bio-contaminants in house dust in relation to respiratory and allergic health in children. Results from the HITEA project.
Christina Tischer, Lidia Casas, Inge M Wouters, Raquel s, Anne Hyvärinen, Jordi Sunyer, Maties Torrent, Joachim Heinrich*
- P-2-20-20 Predicting risk for childhood asthma by prenatal, perinatal, and postnatal factors
Hui-Ju Wen, Tung-Liang Chiang, Shio-Jean Lin, Wen-Kuei Lin, Yue Leon Guo*
- P-2-20-21 Prenatal exposure to allergens in home and respiratory symptoms in Mexican infants
Albino Barraza-Villarreal, Maria Consuelo Escamilla-Núñez, Leticia Hernandez-Cadena, Efraín NavarroOlivos, Peter Sly, Isabelle Romieu*
- P-2-20-22 Proinflammatory Cytokines in Plasma, local inflammation and symptoms of asthmatic and non asthmatic Prepubertal Obese Children.
Leticia Hernandez Cadena, Albino Barraza-Villarreal, Maria Consuelo Escamilla-Núñez, Efraín NavarroOlivos, Blanca Estela Del río Navarro, Fernando Holguín, Romieu Isabelle*
- P-2-20-23 Protocol Optimization on Bioaerosol Analysis in Tropical Buildings
*Irvan Luhung**
- P-2-20-24 Susceptibility of green and non-green building materials to microbial growth
Jacob MENSAH-ATTIPOE, Tiina Reponen, Anniina Hellsten, Anna-Maria Veijalainen, Pertti Pasanen*
- P-2-20-25 The Effect of Acute Allergen Exposure on Adiponectin Levels in Serum and Adipose Tissue
Chien-Cheng Jung, Chih-Ching Chang, Yau-Sheng Tsai, Huey-Jen Su*
- P-2-20-26 The effect of phthalate exposures and Glutathione S-transferase polymorphisms on atopic disorders
I-Jen Wang, Pau-Chung Chen*
- P-2-20-27 The Effects of PM_{2.5} of Outdoor and Indoor Origin and Ozone on Cough and Wheeze Symptoms in Asthmatic Children
Rima Habre, Erin Moshier, William Castro, Amit Nath, Avi Grunin, Annette Rohr, James Godbold, Neil Schachter, Meyer Kattan, Brent A. Coull, Petros Koutrakis*
- P-2-20-28 The IVAIRE Project – Ventilation Characteristics of Single Family Homes of Asthmatic Children Followed in an Asthma Clinic
Denis Gauvin, Daniel Aubin, Pierre Lajoie, Véronique Gingras, Jean-Marc Leclerc, Marilène Courteau, Suzanne Gingras, Doyun Won, Don Fugler, Hans Schleibinger*

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P-2-20-29	The prevalence of allergic diseases and allergic sensitization among urban office workers and forest service workers <i>Woo Kyung Kim*, Young-Wook Lee, Hae-Sun Yoon, Sujin Park, Chan Woo Park</i>
21	ELECTROMAGNETIC FIELDS
P-2-21-01	Personal exposure to static and time-varying magnetic fields during MRI procedures in clinical practice in the UK <i>Anna Mölter*, Stephen Keevil, Martie van Tongeren, Stuart Crozier, Hans Kromhout, Penny Gowland, Frank de Vocht</i>
P-2-21-02	Toenail metals as a biomarker for metal exposures in welders <i>Rachel Grashow*, Jinming Zhang, Shona C. Fang, Marc G Weisskopf, David C. Christiani, Jennifer Cavallari</i>
22	ORGANIC POLLUTANTS AND ENDOCRINE DISRUPTORS: EXPOSURE ASSESSMENT
P-2-22-01	RELATIONSHIP BETWEEN BLOOD AND SEMINAL PLASMA PCB LEVELS AND ABNORMALITIES OF SPERM PARAMETERS IN MEN LIVING IN A NON-INDUSTRIAL AREA OF CENTRAL SICILY <i>Maria Altomare, Margherita Ferrante*, Maria Fiore, Matteo Zuccarello, Alfredo Mazzarino, Filippo Giaccone, Rosita A. Condorelli, Lucia O. Vicari, Sandro La Vignera, Aldo E. Calogero, Enzo Vicari</i>
23	BIOCIDES
P-2-23-01	Age at Sexual Maturity and Organochlorine Exposure among Russian Boys <i>Thuy Lam*, Paige Williams, Susan A. Korrick, Mary Lee, Jane Burns, Linda Birnbaum, Oleg Sergeyev, Boris Revich, Larisa M. Altshul, Donald Patterson Jr, Russ Hauser</i>
P-2-23-02	Alternatives to biocides – a contribution to a healthier indoor environment <i>Erik Petersen*, Stefan Gartiser, Susanne Smolka, Barbara Jahn, Stefanie Wieck</i>
P-2-23-03	Assessment of dietary exposure to organophosphorus pesticides using food frequency questionnaires and information on organic food consumption habits <i>Cynn timer*, Richard Fenske, Chensheng Lu, Jennifer Nettleton, Joel Kaufman</i>
P-2-23-04	Association between living near industrial landfill and miscarriage in São Vicente, SP, Brazil <i>Mariana Guimarães*, Michele Cunha, Daniele Carvalho, Tatyana Sampaio, Lourdes Martins, Alfésio Braga, Luiz Pereira</i>
P-2-23-05	BRAIN CANCER MORTALITY IN AN AGRICULTURAL REGION, RIO DE JANEIRO STATE, BRAZIL: A POPULATIONBASED AGE-PERIOD-COHORT STUDY <i>Adalberto Luiz Miranda-Filho*, Rosalina Koifman, Sergio Koifman, Gina Torres Monteiro</i>
P-2-23-06	Characterizing and estimating pesticide degradation in food crops <i>Peter Fantke*, Brenda Gillespie, Ronnie Juraske, Olivier Jolliet</i>
P-2-23-07	Concentration distribution of urinary pyrethroid insecticide metabolites in Japanese workers <i>Jun Ueyama*, Hiroshi Nomura, Isao Saito, Takaaki Kondo, Yuka Sugiura, Katsuyuki Murata, Toyoto Iwata, Masahiro Gotoh, Shinya Wakusawa, Michihiro Kamijima</i>
P-2-23-08	Development of GIS based indicators to assess exposure to agricultural pesticides in France <i>Elodie Faure*, John R. Nuckols, Jeffrey Blain, Rémi Béranger, Virginie Chasles, Joachim Schüz, Béatrice Fervers</i>
P-2-23-09	Efficacy of Different Insecticides against the Sugarcane Stem Borer (Chilo infuscatellus, Pyralidae Lepidoptera) In Punjab, Pakistan <i>Shahbaz Ahmad*, Hafiz Azhar Ali Khan</i>
P-2-23-10	Epidemiology of acute pesticide poisoning in Mali <i>Hinde Hami*, Tidiane Diallo, Fatima-Zahra Azzaoui, Ababacar Maiga, Abdelrhani Mokhtari, Rachida Soulaymani-Bencheikh, Abdelmajid Soulaymani</i>
P-2-23-11	Estimating environmental pesticide exposure in the Netherlands using geo-spatial information and data on pesticide application practices <i>Maartje Brouwer*, Anke Huss, Roel Vermeulen, Hans Kromhout</i>
P-2-23-12	Exposure Measures Addressing Pesticide Exposure and Nutritional Adequacy <i>Rachel Raanan*, Elliot Berry, Ya'acov Ritov, John Young</i>
P-2-23-13	"An Analytical Chemistry Approach to understanding a Public Health Problem: Exposure Assessment of DDT in selected recently exposed communities of Zambia" <i>Nosiku Munyinda*</i>

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- P-2-23-14 Job Exposure Matrix (JEM) derived estimates of life-time occupational pesticide exposure and the risk of Parkinson's Disease
Zeyan Liew, Anthony Wang, Jeff M. Bronstein, Beate Ritz*
- P-2-23-15 NOS genes and PD: Marginal associations and gene environment interactions with pesticides
Kimberly Paul, Shannon L. Rhodes, Janet S. Sinsheimer, Myles Cockburn, Jeff M. Bronstein, Beate Ritz*
- P-2-23-16 Novel biomonitoring method for residues of carbamazepine in the agro-environment.
Yehoshua Maor, Ora Paltiel, Zvi Roth, Benny Chefetz*
- P-2-23-17 Occupational pesticide exposure among Yemeni women
Sonia El-Zaemey, Jane Heyworth, Lin Fritschi*
- P-2-23-18 PESTICIDE SALES AND PARKINSON DISEASE IN BRAZIL
*Aline Santos, Jaime Lima, Armando Meyer**
- P-2-23-19 Pesticides Exposure Associations with Cancer Incidence and Mortality: An International Health Study.
Jaime Lima, Caio Del Esporti Menezes da Rocha, Armando Meyer*
- P-2-23-20 Pesticides in the Diets of Infants and Children: Twenty years of progress in assessing children's dietary exposure to pesticides
Alyson Lorenz, Lindsay McCormick, Rebecca Dzubow, Brenda Foos*
- P-2-23-21 Prenatal and postnatal insecticide use and infant neuropsychological development in the INMA Spanish multicenter birth cohort study
*Sabrina Llop, Jordi Julvez, Ana Fernandez-Somoano, Loreto Santa Marina, Esther Vizcaino, Carmen Iñiguez, Nerea Lertxundi, Mireia Gascón, Marisa Rebagliato, Ferran Ballester**
- P-2-23-22 Prenatal exposure to organophosphate insecticides and Visual function in the mother-child PELAGIE cohort (France)
Chloé Cartier, Dave Saint-Amour, Charline Warembourg, Christine Monfort, Florence Rouget, Gaïd Le Manerldrissi, Gaël Durand, Sylvaine Cordier, Cécile Chevrier*
- P-2-23-23 Prenatal Exposures to Household Insecticides and Early Childhood Developmental Delay
Irva Hertz-Picciotto, Lora Delwiche, Hansen Robin*
- P-2-23-24 Prostate Cancer Morbidity and Mortality and the Association of Agriculture Production in Georgia Counties
Michael Welton, Sara E Wagner, John Vena*
- P-2-23-25 Pyrethroid exposure and Neurodevelopment in U.S. Children.
Lesliam Quiros-Alcala, Suril Mehta, Brenda Eskenazi*
- P-2-23-26 RISK ASSESSMENT AREAS FOR HUMAN HEALTH IDENTIFIED IN CROP SOIL AND THE RIVERS WATERS IN MORELOS, MEXICO.
Rocio Castillo-Cruz, Jorge Rodríguez-Reyes*
- P-2-23-27 Urinary levels of non-persistent pesticides (organophosphates, N-methylcarbamates, and pyrethroids) in children living in an agricultural community in Spain
Beatriz Gonzalez Alzaga, Marina Lacasaña, Miguel Rodriguez Barranco, Clemente Aguilar-Garduño, Antonio F. Hernandez, Tesifon Parron*
- P-2-23-28 Utilization of the Food Quality Protection Act's Infant and Children Safety Factor and Implications for Dietary Pesticide Exposure in Children
Lindsay McCormick, Matthew Davis, Brenda Foos*

24 ORGANIC POLLUTANTS AND ENDOCRINE DISRUPTORS: HEALTH EFFECTS

- P-2-24-01 A Follow-up Investigation of Some Hematological Parameters 4 years After Hebei Spirit Oil Spill.
Gwi Heum Eom, Su Ryeon Noh, Yong Jin Jeon, Jung Ah Kim, Hyun Sook Bae, Young-Hyun Choi, Mina Ha, HaeKwan Cheong*
- P-2-24-02 A-clustering: A Novel Method for the Detection of Methylation Regions Associated with Exposure
Tamar Sofer, Elizabeth Schifano, Andrea A Baccarelli, Lifang Hou*
- P-2-24-03 Association between phenolic compounds in umbilical cord blood and child growth
Ching-Chun Lin, Pei-Hsuan Wu, Mei-Huei Chen, Wu-Shiun Hsieh, Pau-Chung Chen*

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- P-2-24-04 ASSOCIATION BETWEEN SERUM LEVELS OF ORGANOCHLORINE PESTICIDES AND SEX HORMONES IN ADULTS LIVING IN A HEAVILY CONTAMINATED AREA IN BRAZIL
Carmen Freire, Rosalina Koifman, Paula Sarcinelli, Ana Cristina Rosa, Ruth Clapauch, Sergio Koifman*
- P-2-24-05 Characteristic of Volatile Organic Compound Concentrations Over Decoration Period and Long-term Decay after Completion of a New Residential Unit
Weihui Liang, Chao Wang, Jun Guan*
- P-2-24-06 Dietary exposure to dioxins and PCBs in pregnant women: Results from the Norwegian Mother and Child Cohort study
*Ida Henriette Caspersen, Helle K Knutsen, Anne Lise Brantsæter, Margaretha Haugen, Jan Alexander, Helle Margrete Meltzer, Helen Engelstad Kvale**
- P-2-24-07 Dietary Exposure to Dioxins and Risk of Breast Cancer among Women from the French E3N Prospective Cohort
Aurélie Danjou, Béatrice Fervers, Marie-Christine Boutron-Ruault, Françoise Clavel-Chapelon, Laure Dossus*
- P-2-24-08 Environmental background in relation to cognitive and emotional development in children.
Eva Šovčíková, Sona Wimmerova, Beata Drobna, Lubica Palkovicova, Tomáš Trnovec*
- P-2-24-09 Epigenetic changes in frontal lobe of the brain with pre- and perinatal exposure to flame retardant BDE-47
Hyang-Min Byun, Larissa Takser, Maria Chiara Frisardi, Elena Colicino, Andrea A Baccarelli*
- P-2-24-10 Exposure to dibutyl phthalate (DBP) and eczema in children: A pilot study
Won-Jun Choi, Soyoung Hong, Jung Hoon Kim, Wan Ryung Lim, Hojang Kwon, Hyung Jung Kim, Chaebong Kim, Hea Suk Yang*
- P-2-24-11 Exposure to phthalates: reproductive outcomes and children's health
Kinga Polanska, Joanna Jurewicz, Wojciech Hanke*
- P-2-24-12 Exposure to volatile organic compounds and nitrogen oxides and lung function in Mexican Preschoolers
Albino Barraza-Villarreal, Maria Consuelo Escamilla-Núñez, Leticia Hernandez-Cadena, Efrain Navarro-Olivos, José Luis Texcalac Sangrador, Claire Shackleton, Peter Sly, Usha Ramakrishnan, Isabelle Romieu*
- P-2-24-13 Frequent use of phthalates products is associated with allergic diseases in children
Soyoung Hong, Won-Jun Choi, Wan Ryung Lim, Hojang Kwon, Hyung Jung Kim, Chaebong Kim, Jung Hoon Kim, Hea Suk Yang*
- P-2-24-14 Gymnast Exposure to Flame Retardants
Courtney Carignan, Wendy Heiger-Bernays, Michael McClean, Andreas Sjodin, Heather Stapleton, Thomas Webster*
- P-2-24-15 HEPATOBILIARY DISORDERS IN CHILDREN CHRONICALLY EXPOSED TO PHENOL AND FORMALDEHYDE
Zaitseva Nina, Olga Ustinova, Alfiya Aminova, Olga Vozgoment, Marina Zemlyanova*
- P-2-24-16 Human exposure to the plasticizer diisononyl-cyclohexane-1,2-dicarboxylate (DINCH) in the United States
*Manori Silva, Ella Samandar, James Preau, Jr, Antonia M. Calafat**
- P-2-24-17 Levels of hydroxylated polychlorinated biphenyls (OH-PCBs) and thyroid function in pregnant women
Erica Lee, Katrina Kezios, Xinhua Liu, June-Soo Park, Darcy Tarrant, Yunzhu Wang, Myrto Petreas, Piera Cirillio, Barbara Cohn, Pam Factor-Litvak*
- P-2-24-18 Neurobehavioral Function and low-level Exposure to Brominated Flame Retardants in Adolescents: a crosssectional Study
Michal Kicinski, Mineke Viaene, Elly Den Hond, Greet Schoeters, Adrian Covaci, Alin Dirtu, Vera Nelen, Liesbeth Bruckers, Kim Croes, Nicolas Van Larebeke, Tim S. Nawrot*
- P-2-24-19 Part 1: Development of a Simple Pharmacokinetic Model to Predict BPA Concentrations in Urine
Matthew Lorber, Krista Christensen*
- P-2-24-20 PCBs, p,p'-DDE and birth outcomes in 11 European birth cohorts: dose-response relationship and effect modifiers
Maribel Casas, Mark J Nieuwenhuijsen, David Martínez, Eva Govarts, Martine Vrijheid, Jens Peter Bonde*

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WEDNESDAY

- P-2-24-21 Prenatal Bisphenol A and Birth Weight in an Urban Minority Birth Cohort
Lori Hoepner, Robin Whyatt, Diurka Díaz, Antonia M. Calafat, Frederica Perera, Andrew Rundle*
- P-2-24-22 Prenatal exposure to phthalates affects bone age in 2 year-old infants
Jin Hee Kim, Young Ah Lee, Sanghyuk Bae, Seung Joon Chung, Choong Ho Shin, Yun Chul Hong*
- P-2-24-23 Prenatal phthalate exposures and childhood asthma among an inner-city birth cohort
Robin Whyatt, Matthew Perzanowski, Allan C. Just, Andrew Rundle, Kathleen Donohue, Antonia M. Calafat, Lori Hoepner, Frederica Perera, Rachel Miller*
- P-2-24-24 Recent data on levels of hexachlorobenzene (HCB) and p,p'-dichlorodiphenylethylene (DDE) in plasma samples of the general population in Germany
Thomas Schettgen, Monika Gube, Alt Anne, Andre Esser, Thomas Kraus*
- P-2-24-25 Relationship between Bisphenol A exposure and obesity in the elderly
Mee-ri Lee, Jin Hee Kim, Yoon-Hyeong Choi, Sanghyuk Bae, Yun-Chul Hong*
- P-2-24-26 Relationship between prenatal exposure to perfluorinated compounds and allergic diseases in infants
Emiko Okada, Ikuko Kashino, Seiko Sasaki, Chihiro Miyashita, Tamiko Ikeno, Atsuko Araki, Jun Yamamoto, Hideyuki Matsuura, Toru Matsumura, Akiko Tamakoshi, Reiko Kishi*
- P-2-24-27 Risk of developing hematopoietic cancer associated with the use of the benzene-containing cleaning product 'PX-10' in the Dutch Armed Forces
Dieneke Schram-Bijkerk, Jelle Vlaanderen, Kaspar Schmid, John Cherrie, Dick Heederik, Laura MacCalman, Lützen Portengen, Alastair Robertson, Martie van Tongeren, Roel Vermeulen*
- P-2-24-28 Source apportionment analysis of polyfluorinated alkyl substances in air-conditioned offices in Singapore
Yaoming Wu, Victor W.C. Chang*
- P-2-24-29 THE EFFECTS OF HYDROXYLATED PCBS IN MATERNAL SERUM ON INFANT THYROID HORMONES
Sachiko Itoh, Jumboku Kajiura, Chihiro Miyashita, Sumitaka Kobayashi, Seiko Sasaki, Susumu Ban, Tamiko Ikeno, Atsuko Araki, Reiko Kishi*
- P-2-24-30 Possible association of prenatal exposure to endocrine disruptors with sex-typical development and autism traits – Results from the Duisburg birth cohort study
Nikola Nowack, Jürgen Wittsiepe, Monika Kasper-Sonnenberg, Axel Schölmerich, Michael Wilhelm*
- P-2-24-31 Maternal serum dioxin concentrations and neonatal thyroid function in Seveso children
Paolo Mocarelli, Marcella Warner, Amelia Wesselink, Jonathan Chevrier, Paolo Brambilla, Brenda Eskenazi*

26 GENE-INTERACTION

- P-2-26-01 Application of multiplexed reduced representation bisulfite sequencing (mRRBS) to environmental epigenetic studies: comparison to the 450K Illumina BeadChip
Benedetta Izzì, Juan J. Carmona, Alexandra M. Binder, Allan C. Just, Jitendra Barupal, John Hutchinson, Oliver Hofmann, Joel D. Schwartz, Karin B. Michels, Andrea A Baccarelli*
- P-2-26-02 Association between Vitamin D receptor (VDR) polymorphisms and matrix metalloproteinase-9 (MMP-9) in female workers of lead battery plants
Wei-Te Wu, Chin-Ching Wu, Yu-Jen Lin, Ya-Hui Yang, Saou-Hsing Liou, Trong-Neng Wu*
- P-2-26-03 Beyond the mean: quantile regression to explore the air pollution effect on gene-specific DNA methylation in the Normative Aging Study
Marie-Abele Bind, Brent A. Coull, Annette Peters, Andrea A Baccarelli, Letizia Tarantini, Pantel S. Vokonas, Petros Koutrakis, Joel D. Schwartz*
- P-2-26-04 Blood gene expression of candidate genes in environmental carcinogenesis in association with particulate air pollution
Michelle Plusquin, Theo de Kok, Greet Schoeters, Vera Nelen, Willy Baeyens, Nicolas Van Larebeke, Tim S. Nawrot*
- P-2-26-05 Cumulative Lead Exposure, HFE Polymorphism and QTc and QRSc intervals
Ki-Do Eum, Sung Kyun Park, Linda Huiling Nie, Pantel S. Vokonas, David Sparrow, Howard Hu, Marc G Weisskopf*

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- P-2-26-06 Cytotoxicity and genotoxicity effects induced by glass fiber in human alveolar cell line.
*Venerando Rapisarda, Massimo Bracci, Andrea Marconi, Lucrezia Fago, Lidia Proietti, Vera Cardile, Margherita Ferrante, Caterina Ledda**
- P-2-26-07 Early DNA damage in pregnant women and their unborn babies that live near to medical solid hazardous waste incinerators, Mexico.
Mary Carmen Baltazar-Reyes, Horacio Riojas Rodríguez, Ostrosky-Shejet Patricia, Sordo Monserrat*
- P-2-26-08 Effect modification by Vitamin D receptor genetic polymorphisms in the association between lead and pulse pressure
Min A Jhun, Howard Hu, Joel D. Schwartz, Marc G Weisskopf, Linda Huiling Nie, David Sparrow, Pantel S. Vokonas, Sung Kyun Park*
- P-2-26-09 Fetal genetic polymorphisms associated with estrogen levels and sex-hormone-binding globulin and anthropometric parameters in newborns
Akiko Eto, Fumihiro Sata, Yasuhiro Kanatani, Atsuko Araki, Takahiko Mitsui, Reiko Kishi, Katsuya Nonomura*
- P-2-26-10 Fetal genetic polymorphisms associated with estrogen levels and sex-hormone-binding globulin and fetal growth restriction
Fumihiro Sata, Akiko Eto, Yasuhiro Kanatani, Atsuko Araki, Takahiko Mitsui, Reiko Kishi, Katsuya Nonomura*
- P-2-26-11 Gene-Environment Interactions and the Risk of Cervical Dysplasia: The Role of DNA Repair Genes and Diesel Particulate Matter
Michael Scheurer, Philip Lupo, Michele Follen*
- P-2-26-12 Genotoxicity evaluation of UV sunscreen Ethylhexyl methoxycinnamate and its photoproducts
*Anezka Necasova, Pavel Cupr**
- P-2-26-13 Interaction Between HFE Polymorphisms and Cumulative Lead Exposure on the Risk of Amyotrophic Lateral Sclerosis
Ki-Do Eum, Ryan Seals, Matthew Grespin, David Umbach, Dale Sandler, Howard Hu, Freya Kamel, Marc G Weisskopf*
- P-2-26-14 Placental brain-derived neurotrophic factor is at the transcript level associated with maternal exposure to air pollution
Nelly Saenen, Esmée Bijmens, Michelle Plusquin, Bram Janssen, Wilfried Gyselaers, Patrick De Boever, Tim S. Nawrot*
- P-2-26-15 Plasma circulating histones and blood clotting – A novel potential epigenetic mediator of PM effects
Andrea A Baccarelli, Laura Cantone, Laura Angelici, Valentina Bollati, Matteo Bonzini, Pietro Apostoli, Armando Tripodi, Pietro Alberto Bertazzi*
- P-2-26-16 Racial/ethnic differences in prenatal dietary intake of antioxidants and methyl-donors: Implications for environmental health risk
Kelly Brunst, Srimathi Kannan, Hope Padilla, Lauren Ross, Rosalind Wright*
- P-2-26-17 Single nucleotide polymorphism 7617 C/A in the Nrf2 gene promoter modifies gene expression-air pollution relationships in subjects with coronary artery disease
Sharine Wittkopp, Norbert Staimer, Thomas Tjoa, Daniel Gillen, Nancy Daher, Martin Shafer, James J. Shauer, Constantinos Sioutas, Ralph Delfino*
- P-2-26-18 The potential influence of variants of the SNCA gene on the impact of cumulative lead exposure on risk of Parkinson's disease
Siyng Huang, Marc G Weisskopf, Bhramar Mukherjee, Jennifer Weuve, Linda Huiling Nie, Marie-Helene Saint-Hilaire, Lewis Sudarsky, David K. Simon, Bonnie Hersh, Joel D. Schwartz, Howard Hu*
- P-2-26-19 Using GxE Approaches to Link Biomarkers of Exposure and Effect for Organophosphate Pesticides in Agricultural Community Households
Eric Vigoren, William Griffith, Beti Thompson, Gloria Coronado, Elaine M Faustman*

27 VARIOUS ENVIRONMENTAL HEALTH TOPICS

- P-2-27-01 The Historical Understanding of Sanitation and Disease Control in New Jersey
Holton Michael, Evan Anderson, Robert Adams*

28 MENTAL HEALTH

- P-2-28-01 Suicide mortality among agricultural workers in a region with intensive tobacco farming and use of pesticides in Brazil
Noa Krawczyk, Armando Meyer, Maíra Fonseca, Jaime Lima*

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29 IONIZING RADIATION

- P-2-29-01 A comparison of two methods for ecologic classification of radon exposure in British Columbia: residential observations and the radon potential map of Canada
*Stephen Rauch, Sarah B. Henderson**
- P-2-29-02 Alleviating ecological bias in linking radon exposure to health outcomes
Tom De Smedt, Koen Simons, André Poffyn, Julie Francart, An Van Nieuwenhuyse*
- P-2-29-03 Characteristics of the level of thyroid hormones without clinical manifestations of goiter in population living in uranium biogeochemical zone.
Rakhmanbek Toichuev, Gulnara Toichueva, Janyl Madykova, Aida Mamatzhan kyzy, Timur Payzyl daev*
- P-2-29-04 Childhood cancer and background gamma radiation: a census-based cohort study
Ben D Spycher, Judith Lupatsch, Matthias Egger, Martin Rössli, Dimitri D Hauri, Claudia E. Kuehni*
- P-2-29-05 Collective dose and dosimetry
Thomas-Baptiste DE BROUWER, Myriam ELENCE MOLAYI, Christophe DE BROUWER*
- P-2-29-06 Comparison of four survey methods to enroll radiologic technologists in South Korea
Yousun Ko, Eun Shil Cha, Mina Ha, Seung-Sik Hwang, Kyoung-Mu Lee, Won Jin Lee*
- P-2-29-07 Immune System Responses Related to Environmental Uranium Exposures ? DINEH Project Results
Esther Erdei, Robert Rubin, Curtis Miller, Jennifer Ong, Bernadette Pacheco, Miranda Cajero, Christopher Shuey, Johnnye Lewis*
- P-2-29-08 INT-Thyr: Integrating radiation biomarkers into the epidemiology of post-Chernobyl thyroid cancer in Belarus
Eileen Pernot, Horst Zitzelsberger, James Grellier, Maxim Lushchik, Yuri Demidchik, Elisabeth Cardis*
- P-2-29-09 Lifetime Cancer Risks Attributable to Radiation Exposure of Korean Population based on the Risk Models in BEIR VII
Meeseon Jeong, Han Na Kim, Eun Sook Park, Mi-Kyung Cheon, Tae-In Choi*
- P-2-29-10 Occupational Radiation Exposure and Metabolic Risk Factors of Cardiovascular Diseases in Radiologic Technologists in South Korea
Kyung-Hwa Choi, Won Jin Lee, Seung-Sik Hwang, Kyoung-Mu Lee, Eun Shil Cha, Yousun Ko, Mina Ha*
- P-2-29-11 Pre/per- or postnatal medical history on the risk of brain tumors in children and adolescents: reports from CEFALO multicenter case-control study
Xiaochen Shu, Maria Feychting, Martin Rössli, Joachim Schüz, Tore Tynes*
- P-2-29-12 Risk perception and feeling of worry of radiation exposure at work : A case of radiologic technologists in South Korea
Seung-Sik Hwang, Myoungsoon You, Won Jin Lee*
- P-2-29-13 Study of long duration diseases in the cohort of veterans with dosimeter testing during the French nuclear tests in the Pacific.
Sylvie Martin, Lucile Offredo, Claire Ségala*
- P-2-29-14 The effect of low concentrations of radioactive nuclides on morphometric characteristics of human placenta.
Rakhmanbek Toichuev, Erkin Tostokov*
- P-2-29-15 The radiating K&K mining authority in Vienna: environmental radiological evaluation one century after the end of the Austrian monarchy
Hans-Peter Hutter, Janie Shelton, Michael Kundi, Hanns Moshhammer, Barbara Stöckl, Kathrin Piegler, Peter Wallner*
- P-2-29-16 The Radiologic Technologists Health Study in South Korea: Study Design and Baseline Characteristics
Won Jin Lee, Mina Ha, Seung-Sik Hwang, Kyoung-Mu Lee, Young-Woo Jin, Meeseon Jeong, Eun Shil Cha, Yousun Ko, Kyung-Hwa Choi, Jung-Eun Lee*
- P-2-29-17 Uranium exposure and systemic lupus erythematosus in a community living near a uranium plant
*Pai-Yue Lu, Leah Kottyan, Judith A James, Changchun Xie, Jeanette M Buckholz, Robert L. Herrick, John B Harley, Susan M. Pinney**

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P-2-29-18 Work practices and occupational radiation dose among radiologic technologists in South Korea
Eun Shil Cha, Mina Ha, Seung-Sik Hwang, Kyoung-Mu Lee, Meeseon Jeong, Won Jin Lee*

31 ETHICS AND EQUITY

P-2-31-02 Demographic Subgroups Report Differential Use of Fragranced Products.
Matthew O. Gribble, Daniele R. Reed, Karen Bandeen-Roche, Pamela Dalton, Mary A. Fox*

P-2-31-03 Does socioeconomic adversity in childhood explain the association between neighborhood disadvantage and health behaviors?
Jaana Halonen, Jussi Vahtera, Mika Kivimäki, Jaana Pentti, Ichiro Kawachi, Kuyilan Karai Subramanian*

P-2-31-04 Environmental hazards in low income neighborhoods. An urban anthropological study
Cyrille Harpet, Marie Peretti-Ndiaye*

P-2-31-05 Ethnic Differences in Exposure to Ambient Air Pollution: the Multi-Ethnic Study of Atherosclerosis (MESA)
Miranda Jones, Ana Navas-Acien, Ana V. Diez-Roux, Anjum Hajat, Kiarri N. Kershaw, Marie S O' Neill, Eliseo Guallar, Wendy S. Post, Joel Kaufman*

P-2-31-06 Health of Cattle and Wildlife Downwind from Gas Facilities: The Western Canada Study
*Tee L. Guidotti**

P-2-31-07 Influence of spatial heterogeneity in socioeconomic deprivation on birth outcomes and air pollution epidemiology in New York City, USA
Jessie Carr, Jennifer Bobb, Jane Clougherty, Thomas Matte, David Savitz*

P-2-31-08 Is rapid urbanization in India happened at the cost of health of urban poor?
*Lopamudra Paul**

P-2-31-09 Mortality from male laryngeal cancer in the Southeastern Brazilian
Brenda Gasparini, Suzana Aguiar*

P-2-31-10 ONLINE ENVIRONMENTAL EPIDEMIOLOGY, A PLATFORM FOR THE ENVIRONMENTAL HEALTH ATLAS FOR ENGLAND AND WALES
Federico Fabbri, Rebecca Ghosh, Lea Fortunato, Daniela Fecht, Linda Beale, Anna Hansell*

P-2-31-11 Relationship between commuting and social capital in a cross-sectional population survey in southern Sweden
Kristoffer Mattisson, Carita Håkansson, Emilie Stroh, Kristina Jakobsson*

P-2-31-12 TEMPERATURE MODIFIES ACUTE EFFECTS OF PM₁₀ ON TOTAL MORTALITY ACCORDING TO SOCIOECONOMIC STATUS
Hyun-joo Bae, Yura Lim, Seung-Do Yu, Jeong-Hwa Kim, Yong-Sung Cho*

P-2-31-13 The burden of air pollution on poor individuals and neighborhoods: Evidence from the Multi-Ethnic Study of Atherosclerosis (MESA)
Anjum Hajat, Ana V. Diez-Roux, Sara Adar, Amy Auchincloss, Gina Lovasi, Marie S. O'Neill, Lianne Sheppard, Joel Kaufman*

P-2-31-14 THE ENVIRONMENT AND HEALTH ATLAS FOR ENGLAND AND WALES
Rebecca Ghosh, Lea Fortunato, Federico Fabbri, Ellen McRobie, Helga Laszlo, Daniela Fecht, Oliver Robinson, Linda Beale, Lars Järup, Paul Elliott, Anna Hansell*

P-2-31-15 Trends in Childhood Leukemia and Household Chemical Exposures by Ethnicity in California
Mark Miller, Patricia A. Buffler, Todd P. Whitehead, Ruwani Ekanayake, Brenda Giddings, Giovanna Cruz*

P-2-31-16 Trends in mortality from tumors of the central nervous system in adults, Rio de Janeiro, 1980-2010
Brenda Gasparini, Gina Torres Monteiro*

P-2-31-17 Urbanization level of residential area poses a greater effect than parental education on risk of mortality in children
Chung-Yi Li, Wei-Ling Chen, Pei-Chun Chen*

P-2-31-18 The impact of psycho-social factors on the effectiveness of heat warning systems
*Peter Aitken, Shilu Tong**

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32	POLICY	
P-2-32-01	Why is there No New Silica Dust Standard in the U.S.? <i>David F Goldsmith*</i>	
34	WASTE	
P-2-34-01	Assessment of Waste generation in Ulaanbaatar, Mongolia <i>Enkhjargal Gombojav*, Nandinerdene Bayart, Jan Gerd Kuihlieng</i>	
P-2-34-02	Decreased titers of HBsAb linked to e-waste lead exposure in preschool children <i>Xia Huo*, Jian Zhang, Xijin Xu</i>	
P-2-34-03	Environmental threatened places – hotspots in Kosovo <i>Tafe Veselaj, Mimoza Hyseni-Spahi, Hyseni-Spahi, Afrim Berisha, Perparim Gashi, Rifat Morina*, Ilir Morina, Cornelia Florea – Gabriela Florea – Gabriela</i>	
P-2-34-04	Environmental worry and families with children in residential areas near waste treatment centres <i>Marjaleena Aatamila*, Anna Liisa Suominen, Maarit Jaana Korhonen, Aino Nevalainen, Pekka Tiittanen, Marja Viluksela, Pia K Verkasalo</i>	
P-2-34-05	Incidence of soft tissue sarcomas in an area affected by illegal waste dumping sites <i>Marta Benedetti*, Lucia Fazzo, Carlotta Buzzoni, Pietro Comba, Corrado Magnani, Mario Fusco</i>	
P-2-34-06	Occupational health risk assessment associated to landfill sites in Cuautla, Morelos, México <i>Maria Alejandra Terrazas Meraz*, Irma Rosas Pérez, Margarita Sanchez Arias, Rosario Guevara Santillán, Ernesto Alfaro Moreno, Natividad Sara García Jiménez, Sonia Patricia Romano Riquer, Cristina Siebe, Horacio Riojas Rodríguez</i>	
P-2-34-07	Placental IGF-1 and IGFBP-3 expression correlate with PAH and PBDE levels from prenatal exposure to electronic waste <i>Xu Xijin, Taofeek Yekeen, Xia Huo*</i>	
P-2-34-08	Planning the study design to assess health impacts in areas with potentially polluting plants: drawbacks and specificities in the HIA21 project <i>Nunzia Linzalone*, Fabrizio Minichilli, Michele Santoro, Fabrizio Bianchi</i>	
P-2-34-09	Radiation Treatment of Residual Antibiotics in Livestock Wastewater <i>Tak-Hyun Kim*, Seung Joo Lim, Sang-hum Lee, Jun-Young Kim, Sun-Kyoung Kim</i>	
P-2-34-10	Respiratory hospitalizations of children living near a hazardous industrial site adjusted for prevalent dust: A case-control study <i>Ronit Nirel*, Nimrod Maimon, Elizabeth Fireman, Sarit Agami, Arnona Eyal, Alon Peretz</i>	
P-2-34-11	THE INCINERATORS BIOMONITORING STUDY. Study design and methods <i>Danielle Ashworth*, Rebecca Ghosh, Paul Elliott, Mireille B Toledano</i>	
P-2-34-12	WASTE WATER- AN ASSET OR LIABILITY? A Study on the Use of Waste Water for Irrigation in Lusaka's Kaunda Square Compound <i>Nosiku Muniyinda*</i>	
14:00–15:30	S-2-19 THE EUROPEAN STUDY OF COHORTS FOR AIR POLLUTION EFFECTS (ESCAPE): FINAL FINDINGS Chair(s): Bert Brunekreef, Douglas Dockery	San Francisco
S-2-19-01	Association between exposure to air pollution and lung cancer incidence and mortality <i>Paolo Vineis*, Rob Beelen, Ole Raaschou-Nielsen, Wei W. Xun, Zorana Jovanovic Andersen, Konstantina Dimakopoulou, Klea Katsouyanni, Gerard Hoek</i>	
S-2-19-02	Association between exposure to air pollution and pregnancy outcomes, respiratory diseases, infections, allergy and cognitive function in children <i>Göran Pershagen*, Raymond Agius, Bert Brunekreef, Joachim Heinrich, Manolis Kogevinas, Ursula Krämer, Rémy Slama, Jordi Sunyer</i>	
S-2-19-03	Introduction to the ESCAPE project: exposure assessment <i>Rob Beelen*, Marloes Eeftens, Josef Cyrys, Ming Yi-Tsai, Kees de Hoogh, Gerard Hoek</i>	
S-2-19-04	Long-term exposure to air pollutants and cardiovascular disease endpoints in adults <i>Annette Peters*, Kathrin Wolf, Rob Beelen, Francesco Forastiere, Regina Hampel, Barbara Hoffmann, Nino Kuenzli, Timo Lanki</i>	
S-2-19-05	Residential exposure to air pollution in relation to respiratory health in adults <i>Tamara Schikowski*, Francine Kauffmann, Anna Hansell, Rob Beelen, Bert Brunekreef, Ursula Krämer, Jordi Sunyer, Nicole Probst-Hensch, Nino Kuenzli</i>	

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14:00–15:30	O-2-20	AIR POLLUTION AND CARDIOVASCULAR DISEASES 1 Chair(s): Philip K. Hopke, Jouni Jaakkola	Montreal
	O-2-20-01	Chronic exposure to air pollution and progression of subclinical atherosclerosis in a population-based cohort study in West Germany <i>Frauke Hennig*, Marcus Bauer, Marie Henrike Berg, Stefan Möhlenkamp, Susanne Moebus, Raimund Erbel, Karl-Heinz Jöckel, André Scherag, Barbara Hoffmann</i>	
	O-2-20-02	Impact of In-home Air Filtration on Particle Number Concentration and Blood Biomarkers of Cardiovascular Disease for People Living Close to a Major Highway <i>Luz T Padró-Martínez*, Emmanuel Owusu, Ellin Reisner, Wig Zámora, Mkaya Mwamburi, Doug Brugge, John L Durant</i>	
	O-2-20-03	Role of High-altitude in hypertension: from Mountain Villages of Pakistan to Plains of United Arab Emirates <i>Syed Shah*, Azad Khan, Qayyum Noorani</i>	
	O-2-20-04	Microvascular Responses to Short-term Changes in Particulate Air Pollution in Healthy Persons <i>Tijs Louwies*, Luc Int Panis, Michal Kicinski, Patrick De Boever, Tim S. Nawrot</i>	
	O-2-20-05	Optimal smoothing parameter selection to minimize exposure measurement error in air pollution <i>Silas Bergen*, Christopher Paciorek, Adam Szpiro</i>	
	O-2-20-06	Bayesian kernel machine regression for estimating the health effects of multi-pollutant mixtures <i>Jennifer Bobb*, Gregory A. Wellenius, Murray A. Mittleman, Brent A. Coull</i>	
14:00–15:30	S-2-21	HOUSEHOLD AIR POLLUTION (HAP), BIRTH WEIGHT AND NEONATAL MORTALITY: GROUND TRUTHING INTERVENTION STUDIES TO MAKE EFFICIENT GAINS ON THE EVIDENCE Chair(s): Kirk Smith, Narendra K. Arora	Sydney
	S-2-21-01	Design and implementation of household air pollution intervention studies in relation to birth outcomes: Results from Phase I activities in Ghana and India <i>Darby Jack*, Kwakupoku Asante, Narendra K. Arora, Kalpana Balakrishnan, Michael N. Bates, Patrick Kinney, Ajay Pillarisetti, Seth Owusu-Agyei, Kirk R. Smith</i>	
	S-2-21-02	Evaluation of acceptability and performance of stove options for reducing household air pollution in rural west Kenya <i>Bryan Christensen*, Tamara Pilishvili, Jennifer Loo, Debbi Stanistreet, Ibrahim Sadumah, Michelle Bashin, Justus Muoki, Darby Jack, Fuyuen Yip, Nigel Bruce, Mike Sage</i>	
	S-2-21-03	Integrated rural –urban cohorts for study of air pollution related health effects in pregnant women and children in Southern India: Walking the talk <i>Kalpana Balakrishnan*, Sankar Sambandam, Padmavathi Ramaswamy, Santu Ghosh, Thangavel Guruswamy, Krishnendu Mukhopadhyay, Priscilla Johnson, Sriram Chandramohan, Naveen Puttaswamy, P. Rajkumar, Vijayalakshmi Thanasekaran</i>	
	S-2-21-04	Kerosene—Is it really a clean household fuel? <i>Michael N. Bates*, Nick Lam, Amod Pokhrel, Kirk R. Smith</i>	
	S-2-21-05	Looking back to move forward: Lessons learned from the RESPIRE trial applied to the NACER study <i>Lisa M. Thompson*, Guinevere Valencia-Moscoso, Amanda Northcross, Eduardo Canuz, Anaité Diaz Artiga, Kirk R. Smith</i>	
	S-2-21-06	Metrics to evaluate use, adoption and field performance of advanced-combustion cookstoves in a fueldevice stacking context. <i>Ilse Ruiz-Mercado*, Omar Masera, Kirk R. Smith, Rufus Edwards, Kalpana Balakrishnan, Narendra K. Arora</i>	
14:00–15:30	O-2-22	BIOMARKER MEASUREMENTS Chair(s): Nicole Probst-Hensch, Roel Smolders	Singapore
	O-2-22-01	EVALUATION OF PRENATAL EXPOSURE TO PERSISTENT TOXIC SUBSTANCES (PTS) IN SELECTED REGIONS OF SOUTH AFRICA. <i>Halina Rollin*, Jon Ø. Ødland, Torkjel M. Sandanger, Kalavati Channa, Tahira Kootbodien, Penelopi Theodorou</i>	

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- O-2-22-02 Personal care product use and urinary paraben and phthalate metabolite concentrations during pregnancy among women from a fertility clinic
Joseph Braun, Allan C. Just, Paige Williams, Kristen Smith, Antonia M. Calafat, Russ Hauser*
- O-2-22-03 Associations between short-term exposure to PM_{2.5} and metabolite levels
Susanne Breitner, Alexandra Schneider, Cavin Ward-Caviness, Robert B. Devlin, David Diaz-Sanchez, Lucas M. Neas, Prakash Bhawe, Wayne E. Cascio, Annette Peters, William Kraus*
- O-2-22-04 Baseline levels of selected environmental chemicals in Canadians: Results from Canadian Health Measures Survey
Gurusankar Saravanabhavan, Ellen Lye, Kate Werry, Nellie Roest, Douglas Haines*
- O-2-22-05 Korean National Environmental Health Survey, the first stage 2009-2011
Park Kyung-Hwa, Kim Hyun-Jeong, Yu Seunh-Do, Choi Kyunghee*
- O-2-22-06 Metabolites of the phthalate substitute DINCH in urine samples of children in Germany
Andre Schutze, Martin Kraft, Silvia Sievering, Hermann Fromme, Wolfgang Völkel, Thomas Brüning, Holger M. Koch*

14:00–15:30 O-2-23 **GENE-ENVIRONMENT INTERACTION** Osaka / Samarkand
includes ethics talk (e*)
Chair(s): Michael Brauer, Vivien How

- O-2-23-01 Genome-wide interaction study identifies Cadherin 13 as effect modifier of cumulative PM₁₀ exposure on lung function decline.
Medea Imboden, Christian Schindler, Ashish Kumar, Ivan Curjuric, Harish C. Phuleria, Ming-Yi Tsai, Nino Kuenzli, Thierry Rochat, Florian Kronenberg, Nicole Probst-Hensch*
- O-2-23-02 SERPINA1 PIMZ genotype, environmental and occupational exposure, and change in lung function
Amar Mehta, Gian Andri Thun, Medea Imboden, Ilaria Ferrarotti, Dirk Keidel, Nino Kuenzli, Hans Kromhout, David Miedinger, Maurizio Luisetti, Nicole Probst-Hensch*
- O-2-23-03 Genetic and transcriptomic studies of PFOA and PFOS: thyroid hormones, lipid metabolism and transporter proteins
Tony Fletcher, Lorna W Harries, Tamara Galloway, Berran Yucelsoy, Michael Kashon, Michael Luster*
- O-2-23-04 Associations between Serum Perfluoroalkyl Acids and LINE-1 DNA Methylation in a Highly Exposed Population
Gregory A. Wellenius, Rondi Butler, Scott Bartell, Tony Fletcher, Karl Kelsey*
- O-2-23-05 Preterm Birth Risk Factors, DNA Methylation of the Cervix and Length of Gestation
Heather Burris, Andrea A Baccarelli, Adriana Mercado-García, Valeria Motta, Joel D. Schwartz, Katherine Svensson, Martha Maria Tellez-Rojo Solis, Robert O. Wright*
- O-2-23-06 Privacy and other ethical considerations concerning research with susceptible populations in the digital age (e*)
*Ellen Wells**

14:00–15:30 O-2-24 **ORGANIC POLLUTANT MODELLING** Rio
Chair(s): Jonathan Thornburg, Patrick Ryan

- O-2-24-01 Mechanistic assessment of external and internal exposure to DEHP
Denis Sarigiannis, Spyros Karakitsios, Alberto Gotti*
- O-2-24-02 Near and far field exposure to organic contaminants through multiple parallel exposure pathways, including consumer product use, as a complement to ToxCast
*Alexi Ernstoff, Peter Fantke, Olivier Jolliet**
- O-2-24-03 A tiered approach to modeling aggregate consumer exposure to cyclic siloxanes
Tatsiana Dudzina, Natalie von Götz, Christiaan Delmaar, Jacqueline Biesterbos, Martine Bakker, Jacqueline van Engelen, Konrad Hungerbühler*
- O-2-24-04 Assessment of exposure via inhalation and dermal pathways to airborne benzo[a]pyrene (BaP) of a typical residential condition in Beijing
Shanshan Shi, Bin Zhao*
- O-2-24-05 Why is multiscale exposure modeling essential to determine the burden of disease of pollution in Australia
Jolliet Olivier, Cedric Wannaz, Joe Lane*

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	O-2-24-06	Relationship between food intake & geographic information from questionnaire and blood PCB level in birth cohort study <i>Emiko Todaka*, Masahiro Watanabe, Yoshiharu Matsuno, Masamichi Hanazato, Hiroko Nakaoka, Chisato Mori</i>	
14:00–15:30	O-2-25	CLIMATE CHANGE: EFFECTS AND ADAPTATION STRATEGIES includes ethics talk (e*) Chair(s): David Hondula, John EVANS	Boston
	O-2-25-01	The predictability of high-risk zones for heat-related mortality within seven U.S. cities <i>David Hondula*, Robert Davis, Michael Saha</i>	
	O-2-25-02	Vulnerability to Extreme Heat in New York City <i>Jaime Madrigano*, Kazuhiko Ito, Patrick Kinney, Thomas Matte</i>	
	O-2-25-03	Indigenous Knowledge as Local Response to Climate Change in Nigeria/Africa <i>Geoffrey Nwaka*</i>	
	O-2-25-04	The adaptive capacity of migrants to climate change in Australia <i>Alana Hansen*, Peng Bi, Arthur Saniotis, Monika Nitschke, Jill Benson, Val Smyth, Leigh Wilson, Gil-Soo Han, Yan Tan, Lillian Mwanri</i>	
	O-2-25-05	From epidemiology to adaptation to climate change (e*) <i>Mathilde Pascal*</i>	
	O-2-25-06	Temporal variations in the impact of a local surveillance program to prevent heat wave-related effects on elderly population in Rome, Italy <i>Manuela De Sario*, Anna Maria Bargagli, Damia Noce, Claudia Marino, Simona Vecchi, Paola Michelozzi</i>	
14:00–15:30	O-2-26	WASTE Chair(s): Marta Benedetti, Ronit Nirel	Shanghai
	O-2-26-01	Size characteristics of particulate matters generated during municipal household waste handling activities <i>Donguk Park*, Kyungmin Lee, Seung-hun Ryu</i>	
	O-2-26-02	Modeling population exposure to multiple chemical and non-chemical stressors in a low income community near a hazardous waste site <i>M. Patricia Fabian*, Susan A. Korrick, Junenette Peters, Jonathan Levy</i>	
	O-2-26-04	Neonatal physical measurement in relation to electronic waste recycling exposure in the community <i>Aimin Chen*, Xijin Xu, Xiangbin Zheng, Stephani Kim, Yuling Zhang, Taofeek Yekeen, Tiina Reponen, Kim Dietrich, Shuk-mei Ho, Xia Huo</i>	
	O-2-26-05	Morbidity in a population living close to urban waste incinerators: a retrospective cohort study using air dispersion models and a before-after design <i>Martina Nicole Golini, Carla Ancona*, Andrea Bolignano, Simone Bucci, Marina Davoli, Francesca Mataloni, Silvia Narduzzi, Roberto Sozzi, Francesco Forastiere</i>	
	O-2-26-06	Co-exposure to Biphenyl A, Polychlorinated Biphenyls and Cadmium in Utero on fetus development <i>Xia Huo*, Xijin Xu, Yinmei Chiung</i>	
14:00–15:30	S-2-27	NATURAL RADIATION EXPOSURE AND ASSOCIATED CHILDHOOD LEUKAEMIA RISK Chair(s): Dominique Laurier, David Richardson	Kairo
	S-2-27-01	Alleviating ecological bias in linking radon exposure to acute childhood leukaemia <i>Tom De Smedt*, Koen Simons, André Poffyn, Julie Francart, An Van Nieuwenhuyse</i>	
	S-2-27-02	Childhood Leukaemia and natural background radiation: Context and dosimetric aspects <i>Gerry Kendall, Richard Wakeford*, Mark Little</i>	
	S-2-27-03	Domestic radon exposure and risk of childhood cancer: a prospective census-based cohort study from Switzerland <i>Martin Rössli*, Dimitri D Hauri, Ben D Spycher, Anke Huss, Frank Zimmermann, Michael Grotzer, Nicolas von der Weid, Damien Weber, Adrian Spoerri, Claudia E. Kuehni</i>	
	S-2-27-04	Exposure to natural background radiation and association with childhood leukemia incidence in France 1990-2007 <i>Denis Hemon*, Claire Demoury, Géraldine Ielsch, Sophie Ancelet, Jérôme Guillevic, Dominique Laurier, Jacqueline Clavel</i>	

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	S-2-27-05	Results of a record-based case-control study of natural background radiation and the incidence of childhood cancers in Great Britain <i>Gerry Kendall*, Mark Little, W. Richard, Kathryn Bunch, Jon Miles, Tim Vincent, Jill Meara, Michael Murphy</i>	
14:00–15:30	O-2-28	TIME SERIES STUDIES OF HEAT RELATED HEALTH EFFECTS Chair(s): Joel Schwartz, Kate Adams	Delhi
	O-2-28-01	Temporal variation in temperature-health associations: a multi-country study <i>Antonio Gasparrini*, Michela Leone, Aurelio Tobias, Ben Armstrong</i>	
	O-2-28-02	Heat-related emergency hospitalizations for respiratory diseases in the Medicare population <i>Brooke Anderson*, Francesca Dominici, Yun Wang, Meredith McCormack, Michelle L. Bell, Roger Peng</i>	
	O-2-28-03	Temperature effects on scorpion sting incidence in an endemic region of Mexico: a regional analysis. <i>Magali Hurtado-Díaz*, Luis A. Arias-Medellín, Horacio Riojas Rodríguez, Grea L. Moreno-Banda, José Guzmán Ontiveros</i>	
	O-2-28-04	Exposure to a heatwave during pregnancy and stillbirth: A case-crossover study <i>Jiajia Wang*, Gail Williams, Weiwei Yu, Xiaochuan Pan, Shilu Tong</i>	
	O-2-28-05	Adverse reproductive outcomes and outdoor air temperature in Haidian District, Beijing <i>Liqun Liu*, Xiaochuan Pan, Yakufu Aimaier, Jiajia Wang</i>	
14:00–15:30	S-2-29	INVESTIGATING EPIDEMIC CHRONIC KIDNEY DISEASE OF UNKNOWN CAUSES IN CENTRAL AMERICA AND INDIA Chair(s): Madeleine Kangsen Scammell, Michael McClean	Helvetia 1
	S-2-29-01	Biomarkers of Kidney Damage and Metals Exposure among Nicaraguan Workers <i>Rebecca Laws*, Daniel Brooks, Juan Jose Amador, Daniel Weiner, James Kaufman, Oriana Ramirez Rubio, Alejandro Riefkohl, Jose Marcell Sánchez Rodríguez, McClean Michael</i>	
	S-2-29-02	Could CKD Among Young Male Workers be Driven by Dehydration? <i>Aurora Aragon*, Marvin González, Luis E. Blanco, Sandra Peraza, Catharina Wesseling</i>	
	S-2-29-03	Environmental Contamination and Chronic Kidney Disease in Southern India <i>Kuyilan Karai Subramanian, Goru Krishna Babu*, Youssef Farag, Ravi Raju Tatapudi, Ajay Singh*</i>	
	S-2-29-04	Kidney Damage Markers in Nicaraguan Adolescents in a Region of an Epidemic of CKD of Unknown Etiology <i>Oriana Ramirez Rubio*, Juan Jose Amador, James Kaufman, Daniel Weiner, Michael McClean, Rebecca Laws, Usman Kahn, Chirag Parikh, Daniel Brooks</i>	
	S-2-29-05	Overview of the CKDu Epidemics in Central America: Current Hypotheses <i>Michael McClean*, Oriana Ramirez Rubio, Madeleine Kangsen Scammell, Rebecca Laws, Daniel Weiner, James Kaufman, Juan Jose Amador, Daniel Brooks</i>	
14:00–15:30	O-2-30	ENVIRONMENTAL HEALTH POLICY includes ethics talk (e*) Chair(s): Liam O'Fallon, Marko Tainio	Helvetia 2
	O-2-30-01	Environmental Health Policy: Inter-Ministerial Aspects <i>Maya Negev*</i>	
	O-2-30-02	Conceptual model linking urban GHG policies to health and wellbeing [URGENCE] <i>Matti Jantunen*, Arja Asikainen, Marjo Niittynen, Erkki Pärjälä, Jouni T. Tuomisto</i>	
	O-2-30-03	Environmental and Occupational Interventions for Primary Prevention of Cancer: A Cross-Sectorial Policy Framework <i>Carolina Espina*, Miquel Porta, Joachim Schüz, Ildefonso Hernández Aguado, Robert V. Percival, Carlos Dora, Terry Slevin, Julietta Rodriguez Guzman, Tim Meredith, Philip J Landrigan, Maria Neira</i>	
	O-2-30-04	Socioeconomic Differentials in the Immediate Mortality Effects of the National Irish Smoking Ban <i>Sericea Stallings-Smith, Ariana Zeka*, Patrick G. Goodman, Zubair Kabir, Luke Clancy</i>	
	O-2-30-05	Measuring Impacts from Public Health Research <i>Christie Drew*, Kristiana Pettibone</i>	

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	O-2-30-06	Getting ready for the “tipping point”- Will rapid urbanization potentiate mega-public health issues in resource-poor settings? (e*) <i>Adetoun Mustapha*</i>	
14:00–15:30	O-2-31	AIR POLLUTION HEALTH RISK ASSESSMENT Chair(s): Laura Perez, Brian Miller	Helvetia 3-5
	O-2-31-01	An Integrated Exposure-Response Function for Estimating the Global Burden of Disease Attributable to Ambient PM _{2.5} Exposure <i>Richard T. Burnett, Pope C.a III, Ezzati Majid, Olives Casey, Lim Stephen S., Mehta Sumi, Shin Hwashin, H. Ross Anderson, Smith Kirk R, Aaron J. Cohen*</i>	
	O-2-31-02	Mortality and morbidity health impact assessment of exposure to PM ₁₀ and NO ₂ in Lombardy, Italy <i>Giorgia Randi*, Michela Baccini, Paolo Grillo, Dario Consonni, Pietro Alberto Bertazzi, Annibale Biggeri</i>	
	O-2-31-03	Contribution of Household Heating with Solid Fuels to Ambient Particulate Air Pollution (PM _{2.5}) <i>Zoe Chafe*, Michael Brauer, Zbigniew Klimont, Kirk R. Smith</i>	
	O-2-31-04	Health impact in integrated assessment of air quality in Europe – APPRAISAL <i>Catherine Boulard, Michele Rasoloharimahefa Rasamoela*, Marko Tainio, Jurgen Buekers, Ana Isabel Miranda, Marialuisa Volta, Emile De Saeger, Ioannis Douros, Alain Clappier, Catherine Boulard</i>	
	O-2-31-05	Health Impact Assessment of long-term exposure to particulate air pollution: methodological and practical considerations. <i>Brian Miller*, Fintan Hurley, Ranjeet Sokhi, Menno Keuken, Bert Brunekreef</i>	
	O-2-31-06	Disease Burden Caused by PM _{2.5} in Several Chinese Big Cities <i>Guoxing Li*, Xiaochuan Pan</i>	
16:00–17:30	S-2-32	INTERNATIONAL EFFORTS TO IMPLEMENT THE EXPOSOME Chair(s): David Balshaw, Tuomo Karjalainen	San Francisco
	S-2-32-01	Environment-wide Association Studies to connect multiple personal exposures to health <i>Chirag Patel*</i>	
	S-2-32-02	Omics in environmental epidemiology <i>Paolo Vineis, Nicole Probst-Hensch*</i>	
	S-2-32-03	Recent exposome projects under the European Union FP7 research program: Global screening of environmental exposure-disease associations and biomarkers. <i>Roel Vermeulen*</i>	
	S-2-32-04	The Exposome: An Approach for Untargeted Discovery in Environmental Health <i>Gwen Collman*, Linda Birnbaum, David Balshaw</i>	
	S-2-32-05	The Human Early Life Exposome (HELIX): Project Rationale and Design <i>Martine Vrijheid*</i>	
16:00–17:30	O-2-33	WEATHER EXPOSURE INDICATORS AND RELATED HEALTH EFFECTS Chair(s): Francesca de Donato, Jamal Khodakarami	Montreal
	O-2-33-01	The relationship between indoor and outdoor temperature, apparent temperature, relative humidity, and absolute humidity <i>Jennifer Nguyen*, Joel D. Schwartz, Douglas Dockery</i>	
	O-2-33-02	Summertime indoor-outdoor temperature and humidity relationships in New York City residences <i>Ashlinn Quinn*, James Tamerius, Judith S. Jacobson, Matthew Perzanowski, Jeffrey Shaman, Patrick Kinney</i>	
	O-2-33-03	Methods to calculate the heat index as an exposure metric in environmental health research <i>Brooke Anderson*, Michelle L. Bell, Roger Peng</i>	
	O-2-33-04	Maternal exposure to a heatwave and the risk of preterm birth <i>Shilu Tong*, Jiajia Wang, Gail Williams, Paul Colditz, Weiwei Yu, Xiaochuan Pan</i>	
	O-2-33-05	The effect of extreme weather on mortality in Cyprus: high temperatures vs. synoptic air mass types <i>Haritini Tsangari*, Anastasia Paschalidou, Pavlos Kassomenos, Zoi Konsoula, Stephanie Christou, Kyriakos, E. Georgiou, Theodoulos Mesimeris, Sotiris Vardoulakis, Clare, H. Heaviside, Edna, N. Yamasaki</i>	

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- 0-2-33-06 Are children's asthmatic symptoms related to ambient temperature? A national panel study in Australia
Shanshan Li, Bin Jalaludin, Peter Baker, Guy Marks, Gail Williams*

16:00–17:30 0-2-34 **AIR POLLUTION AND CANCER** Sydney
Chair(s): Tunga Salthammer, Fatima Hamad

- 0-2-34-01 Exposure to benzene and childhood leukaemia: a pilot case-control study
*Susanna Lagorio**
- 0-2-34-02 Spatiotemporal distributions of Benzene exposure and risk assessment on Bangkok residents.
Pornpun Watcharavitoon, Chan Chang-Chuan, Yu Hwa-Lung, Wu Kuen-Yuh*
- 0-2-34-03 Air pollution and lung cancer incidence; 17 European cohort studies within the ESCAPE project
Ole Raaschou-Nielsen, Zorana Jovanovic Andersen, Rob Beelen, Konstantina Dimakopoulou, Wei Xun, Klea Katsouyanni, Bert Brunekreef, Paolo Vineis, Gerard Hoek*
- 0-2-34-04 Exposure profiles and related carcinogenic potencies of polycyclic aromatic hydrocarbons (PAHs) in aerosols of an urban site in the north central part of India
Amit Masih, Ajay Taneja, Raj Singhvi*
- 0-2-34-05 Air pollution and childhood leukaemia: a nationwide case-control study in Italy
Chiara Badaloni, Alessandra Ranucci, Giulia Cesaroni, Gabriele Zanini, Danielle Vienneau, Fatima AlAidarous, Kees de Hoogh, Magnani Corrado, Francesco Forastiere, Setil Study Group*
- 0-2-34-06 Chronic Particulate Matter Exposures and Lung Cancer in the Nurses' Health Study Cohort
Robin Puett, Jaime E. Hart, Jeff Yanosky, Donna Spiegelman, Molin Wang, Francine Laden*

16:00–17:30 S-2-35 **PREGNANCY COHORT STUDIES: LINKING EARLY LIFE EXPOSURE TO ENDOCRINE DISRUPTING CHEMICALS TO CHILDREN'S HEALTH AND DEVELOPMENT** Singapore
Chair(s): Carl-Gustaf Bornehag, Robin Whyatt

- S-2-35-01 Early life exposure to phthalates and immune response at one year of age in the Canadian Healthy Infant Longitudinal Development (CHILD) birth cohort
Tim K. Takaro, Huan Shu, Ryan W. Allen, Jeffrey Brook, Kathleen McLean, James Scott, Michael Brauer, Amanda Wheeler, Diana Lefebvre, Sheela Sathyanarayana, Malcolm R. Sears*
- S-2-35-02 Exposure to endocrine disrupting chemicals and anogenital distance among Danish pregnant women
Tina Kold Jensen, Hanne Frederiksen, Tina Harmer Lassen, Katrine Tefre de Renzy-Martin, Jeppe Schultz Christensen, Katharina Main, Anne Maria Andersson, Flemming Nielsen, Steffen Husby, Henriette Boye Kyhl*
- S-2-35-03 Linking prenatal EDC exposure to reproductive tract endpoints and neurodevelopment in two pregnancy cohort studies
*Shanna Swan**
- S-2-35-04 The Establishment of a Birth Cohort in Israel: the Environmental Health Fund Cohort Study.
Pam Factor-Litvak, Dror Mandel, Orly Stern, Rimona Keidar, Zachi Dagan, Joseph Tobvin, Whyatt Robin, Berkovitch Matitiah, Lubetsky Ronit*
- S-2-35-05 The SELMA study, a longitudinal study following 2,000 mother-child pairs from early pregnancy over birth and up in school age
*Carl-Gustaf Bornehag**

16:00–17:30 0-2-36 **SOURCE-SPECIFIC HEALTH EFFECTS OF AIR POLLUTION** Osaka / Samarkand
Chair(s): Sara Adar, George Thurston

- 0-2-36-01 Impacts of Traffic-Related and Woodsmoke Air Pollution on Endothelial Function and Systemic Inflammation
Majid Kajbafzadeh, Michael Brauer, Barbara Karlen, Ryan W. Allen*
- 0-2-36-02 Association between source-specific particulate matter air pollution and hs-CRP – role of fresh local traffic and industrial emissions
Frauke Hennig, Kateryna Fuks, Susanne Moebus, Anja Viehmann, Gudrun Weinmayr, Michael Memmesheimer, Hermann Jakobs, Raimund Erbel, Karl-Heinz Jöckel, Barbara Hoffmann*

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	O-2-36-03	Independent effects of traffic, sandstorm and volcanic particles on emergency hospital visits in Reykjavík, Iceland? <i>Hanne Krage Carlsen*, Thorarinn Gislason, Bertil Forsberg, Kadri Meister, Anna Oudin</i>	
	O-2-36-04	The Impact of Source Contribution Uncertainty on the Effect of Source-Specific PM _{2.5} on Cardiovascular Hospital Admissions <i>Marianthi-Anna Kioumourtoglou*, Brent A. Coull, Francesca Dominici, Petros Koutrakis, Joel D. Schwartz, Helen H. Suh</i>	
	O-2-36-05	Effects of particulate matter (PM) sources on mortality in Mediterranean cities: the MED-Particles project <i>Xavier Basagaña*, Bénédicte Jacquemin, Angeliki Karanasiou, David Agis, Juan Alguacil, Julio Díaz, Xavier Querol, Jordi Sunyer, Bart Ostro, Massimo Stafoggia, the MED-PARTICLES Study Group</i>	
	O-2-36-06	Elemental composition of particulate matter and the association with lung function in 5 European birth cohorts – results of the ESCAPE project <i>Marloes Eeftens*, Gerard Hoek, Claudia Cramer, Kees de Hoogh, Elaine Fuentès, Olena Gruzdeva, Anna Moelter, Meng Wang, Ulrike Gehring</i>	
16:00–17:30	S-2-37	EXPOSURES TO CHEMICALS: CONTRIBUTION VIA THE DERMAL ROUTE Chair(s): Marsha Morgan, Natalie von Götz	Rio
	S-2-37-01	Conceptual model for dermal exposure to substances in articles <i>Lieve Geerts*</i>	
	S-2-37-02	Dermal uptake of bisphenol A from thermal printing paper <i>Koni Grob*</i>	
	S-2-37-03	Dermal uptake of chemicals <i>John Kissel*</i>	
	S-2-37-04	Method development and validation of breath analysis of cyclosiloxanes as a contribution to improvement of risk assessment strategies in the safety of personal care products <i>Jacqueline Biesterbos, Gwendolyn Beckmann, Paul T.J. Scheepers*</i>	
	S-2-37-05	Modelling human exposure to organic UV filters via personal care products <i>Eva Manova*</i>	
16:00–17:30	O-2-38	INTERSECTION BETWEEN BUILT ENVIRONMENT, AIR QUALITY, PHYSICAL ACTIVITY AND METABOLISM Chair(s): Kristen C. Malecki	Boston
	O-2-38-01	Do Air Pollution Exposure and Food Environment Impact Overweight/Obesity? <i>Ying-Ying Meng*, Susan Babey, Melissa Pickett, Joelle Wolstein</i>	
	O-2-38-02	Prospective effects of the built environment on walking and weight gain <i>Peter James*, Jaime E. Hart, Francine Laden</i>	
	O-2-38-03	BMI and proximity to a highway: Little evidence for an association <i>Arpita Husain*, Kevin Lane, Doug Brugge</i>	
	O-2-38-04	A 12-week aerobic training program in an urban environment: effect on blood gene expression profiles and subclinical inflammatory markers <i>Patrick De Boever*, Inge Bos, Luc Int Panis, Romain Meeusen</i>	
	O-2-38-05	Objectively assessed neighbourhood attributes associated with physical activity and sedentary behaviour in Swiss children and adolescents <i>Bettina Bringolf-Isler*, Charlotte Braun-Fahrlander, Susi Kriemler</i>	
	O-2-38-06	Neighborhood walkability and air pollution exposure <i>Steve Hankey*, Michael Brauer, Greg Lindsey, Julian D. Marshall</i>	
16:00–17:30	S-2-39	LIMITS TO GROWTH AND PUBLIC HEALTH Chair(s): Raymond Neutra, Colin Soskolne	Shanghai
	S-2-39-01	Agricultural practices, food production, food security and governance in South Asia <i>Atanu Sarkar*</i>	
	S-2-39-02	Ecosystems, Biodiversity, and Limits to Growth <i>Phil Weinstein*</i>	
	S-2-39-03	Health and Sustainability: A Taxonomy of Relationships <i>Tee L. Guidotti*</i>	

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- S-2-39-04 Limits to growth and environmental epidemiology: a conceptual framework
*Colin Butler**
- S-2-39-05 Scientific factors that obscure and obstruct our understanding of the limits to growth
*Colin Soskolne**
- S-2-39-06 Sustainable Housing, Limits to Growth and Climate Change
*ouni Jaakkola**

16:00–17:30 O-2-40 **IONIZING RADIATION AND HEALTH** Kairo
Chair(s): Helene Baysson, James Grellier

- O-2-40-01 Differences in lung cancer mortality trends from 1986-2011 by radon risk areas in British Columbia, Canada
Sarah B. Henderson, Stephen Rauch, Perry Hystad, Tom Kosatsky*
- O-2-40-02 Non-melanoma skin cancer geography and ecological associations with environmental risk factors in England
Benedict Wheeler, Gyula Kothencz, Adam Pollard*
- O-2-40-03 Bayesian prediction of childhood leukemia risks potentially due to radon, terrestrial gamma and cosmic rays in France.
Sophie Ancelet, Olivier Laurent, David Richardson, Denis Hemon, Géraldine Ielsch, Claire Demoury, Jacqueline Clavel, Dominique Laurier*
- O-2-40-04 Estimating dose rates from naturally occurring gamma radiation in British homes
Gerry Kendall, Michael Athanson, Elliot Carter, Tim Vincent, Richard Wakeford, Mark Little*
- O-2-40-05 Comparing different sizes of geographical boundaries of Cs-137 deposition in relation to the total cancer incidence.
Hassan Alinaghizadeh, Robert Wålander, Martin Tondel*
- O-2-40-06 EPI-CT: design and epidemiological methods of an international study on cancer risks after paediatric CT
Magda Bosch de Basea Gómez, Mark Pearce, Ausrele Kesminiene, Marie-Odile Bernier, Lucian Krille, Jose Meulepas, Lara Struelens, Elisabeth Cardis*

16:00–17:30 O-2-41 **VENTILATION – EFFECTS ON EXPOSURES, HEALTH AND ENERGY** Delhi
Chair(s): Pawel L. Wargocki, Kate Adams

- O-2-41-01 FRESH: results of an intervention experiment to improve classroom ventilation in primary schools
Jeannette Rosbach, Machiel Vonk, Frans Duijm, Jan van Ginkel, Bert Brunekreef*
- O-2-41-02 Association of Lower Classroom Ventilation Rates with Increased Illness Absence in a Prospective Study of California Elementary Schools
Mark J Mendell, Ekaterina Eliseeva, Molly Davies, Agnes Lobscheid, William Fisk, Michael Apte*
- O-2-41-03 Window opening behavior and exposure in the U.S.
Glenn Morrison, Daniel Oerther, Andrew Schriener, Lauren Banks, Montana Puckett*
- O-2-41-04 Securing adequate indoor air quality (IAQ) across Europe: Developing the health-based ventilation guidelines (HealthVent project)
Pawel L. Wargocki, Paolo Carrer, Eduardo de Oliveira Fernandes*
- O-2-41-05 Proposed ventilation guidelines for Europe (HealthVent-project): Projected changes in sources of exposure and resulting diseases in indoor environment
*Arja Asikainen, Pawel L. Wargocki, Paolo Carrer, Otto Hänninen**
- O-2-41-06 European Guidelines for Ventilation (HealthVent –project): Implications on Energy and Health
Otto Hänninen, Arja Asikainen, Vitor Leal, Hugo Santos, Pawel L. Wargocki, Paolo Carrer, Matti Jantunen, Eduardo de Oliveira Fernandes*

16:00–17:30 S-2-42 **MICROBES, INDOOR ENVIRONMENT AND HEALTH-INTERDISCIPLINARY CHALLENGES** Helvetia 1
Chair(s): Hal Levin, Ulla Haverinen-Shaughnessy

- S-2-42-01 Characterization and Source Tracking of Bioaerosols in Residential Showers
Kerry Kinney, Juan Pedro Maestre, Maria D. King, Alexandra Caya, Andrew Hoisington*
- S-2-42-02 Effect of renovation of moisture damage on microbial metabolites and occupants' health
Anne Hyvärinen, Kati Järvi, Martin Täubel, Michael Sulyok, Juhani Pirinen, Tuula Syrjänen, Rudolf Krška, Riitta Patovirta, Aino Nevalainen*

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	S-2-42-03	Evaluation of Microbial Survival and DNA persistence in HVAC Filters <i>Kerry Kinney*, Jeffrey A. Siegel, Juan Pedro Maestre, Andrew Hoisington</i>	
	S-2-42-04	Fungal specialists on insulated and non-insulated outer walls in basements <i>Maria Nunez*</i>	
	S-2-42-05	Microbial exposure and asthma development in children <i>Tiina Reponen*</i>	
	S-2-42-06	Microbial secondary metabolites in indoor environments <i>Martin Täubel*, Michael Sulyok, Esmeralda Krop, Alicia Borrás, Juha Pekkanen, Dick Heederik, Lennart Larsson, Jan-Paul Zock, Rudolf Krška, Anne Hyvärinen</i>	
16:00–17:30	O-2-43	NEW DIRECTIONS IN UNDERSTANDING PARTICULATE MATTER EXPOSURES Chair(s): Yuri Bruinen de Bruin, Colleen Reid	Helvetia 2
	O-2-43-01	PM LEVELS IN SELECTED URBAN MICROENVIRONMENTS NEAR THE COPER SMELTER COMPLEX, BOR, SERBIA <i>Marija Živković*, Viša Tasić, Milena Jovašević-Stojanović, Renata Kovacevic, Ivan Lazovic</i>	
	O-2-43-02	Exposure to PM _{2.5} , Black Carbon and ultrafine particles in above- and underground public transport. <i>Nicole Janssen*, Nick van den Hurk, Gerard Hoek, Saskia van der Zee, Moniek Zuurbier, Flemming Cassee</i>	
	O-2-43-03	The contribution of household solid fuel use to ambient particulate pollution in peri-urban Beijing <i>Anna Zimmermann*, Ming Shan, Zoe Chafe, Haixi Li, Guangqing Liu, Xudong Yang, Tao Yu, Kirk R. Smith</i>	
	O-2-43-04	Multipollutant Exposure Measurements for Human Health and other Environmental Effects <i>Chow Judith*, John Watson</i>	
	O-2-43-05	Air pollution exposure and DNA damage in buccal mucosa cells of pre-school children. <i>Elisabetta Ceretti*, Claudia Zani, Ilaria Zerbini, Gaia CV Viola, Francesco Donato, Umberto Gelatti, Rosa Maria Limina, Roberta Pedrazzani, Carla Repice, Donatella Feretti</i>	
	O-2-43-06	Association between long-term exposure to traffic-related air pollution and lung function: the European Study of Cohorts for Air Pollution Effects (ESCAPE) <i>Martin Adam*, Tamara Schikowski, Anne-Elie Carsin, Cai Yutong, Margaux Sanchez, Andrea Vierkötter, Jordi Sunyer, Ursula Krämer, Nicole Probst-Hensch</i>	
16:00–17:30	O-2-44	AIR POLLUTION POLICY includes ethics talk (e*) Chair(s): Cathey Falvo, Peter Straehl	Helvetia 3-5
	O-2-44-01	Methods for risk assessment to inform the revision of European policies on air quality <i>Michał Krzyzanowski*, Bert Brunekreef, Richard T. Burnett, Aaron J. Cohen, Marie-Eve Héroux, Fintan Hurley, Klea Katsouyanni, Nino Kuenzli</i>	
	O-2-44-02	Public exposure and health impacts of changing from Swedish Class 1 diesel to European diesel in Stockholm <i>Christer Johansson*, Lars Burman, Roger Westerholm, Annika Hanberg, Ulla Stenius, Marika Berglund, Christoffer Bergvall</i>	
	O-2-44-03	Biomass smoke pollution and mortality rates in Launceston, Australia, 1994-2007: evaluation of coordinated interventions to improve ambient air quality <i>Fay Johnston*, Ivan Hanigan, Sarah B. Henderson, Geoffrey Morgan</i>	
	O-2-44-04	The impact of low emission zone and heavy traffic ban in Munich on the reduction of PM ₁₀ in ambient air <i>Josef Cyrys*, Veronika Fensterer, Helmut Küchenhoff, Verena Maier, Erich Wichmann, Susanne Breitner, Alexandra Schneider, Annette Peters</i>	
	O-2-44-05	The Impact of an Anti-Idling Campaign on Ambient Air Quality Near Schools <i>Patrick Ryan*, Tiina Reponen, Mark Simmons, Michael Yermakov, Chris Schaffer, Sergey Grinshpun</i>	
	O-2-44-06	Translating research findings into actions across the globe to capture the full benefits of air pollution studies (e*) <i>Adetoun Mustapha*</i>	

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17:30–18:30	ISES GENERAL MEMBERSHIP MEETING	Rio
17:30–18:30	SELMA-CHILD LAB METHODS	Hong Kong
19:00	SOCIAL EVENT AT THE THEATER BASEL (FROM 19H00- OPEN END)	EXTERNAL: Theater Basel

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Thursday, August 22

08:00–17:00	SPEAKER READY ROOM
07:00–17:30	REGISTRATION
10:00–10:30	COFFEE BREAK
12:00–13:00	LUNCH
15:30–16:00	COFFEE BREAK

07:15–08:30		ISEE COUNCIL MEETING	Hong Kong
07:45–08:30	T-3-01	INTERPRETATION OF INDOOR AIR POLLUTANT MEASUREMENT DATA Lecturer: Hal Levin	Boston
07:45–08:30	T-3-02	PHARMACOLOGY FOR NON-PHARMACOLOGISTS – AN ENVIRONMENTAL HEALTH APPROACH Lecturer: Yehoshua Maor	Shanghai
07:45–08:30	T-3-03	INFLUENCE OF UNCERTAINTIES AND VARIABILITIES ON EXPOSURE AND RISK EVALUATION Lecturer: Alain-Claude Roudot	Kairo
07:45–08:30	T-3-04	EPIDEMIOLOGY FOR EMPLOYERS: A COST BENEFIT PROJECTION TOOL FOR EMPLOYEE HEALTH PROGRAMMES Lecturer: Patrick Hanlon	Delhi
08:45–10:00	F-3-05	PLENARY SESSION HOSTED BY THE INTERNATIONAL SOCIETY FOR ENVIRONMENTAL EPIDEMIOLOGY (ISEE) European Year of Air: The Role of Environmental Epidemiology in Science and Legislation Chair(s): Annette Peters, Beate Ritz	San Francisco
	F-3-05-01	Anniversary Welcome <i>Maria Neira*</i>	
	F-3-05-02	Epidemiologic studies near industrial plants: Lessons and perspectives from an Italian case study <i>Francesco Forastiere*</i>	
	F-3-05-03	John Goldsmith Award for Outstanding Contributions to Environmental Epidemiology <i>Michal Krzyzanowski*</i>	
10:30–12:00	S-3-06	NEW FRONTIERS IN ENVIRONMENTAL EPIGENETICS: TO INFINIUM AND BEYOND Chair(s): Mollie Kyle, Schmid Christoph	San Francisco
	S-3-06-01	Current applications for DNA methylation using Infinium – challenges and rewards <i>Carrie Breton</i>	
	S-3-06-02	Mitochondrial DNA content and DNA methylation in association with exposure to particulate air pollution during critical periods of in utero life <i>Tim S. Nawrot*</i>	
	S-3-06-03	Teasing out causation in environmental epigenetics <i>Nicole Probst-Hensch*</i>	
	S-3-06-04	Beyond DNA methylation: investigating histone modifications and miRNAs in epidemiology studies <i>Andrea A Baccarelli*</i>	
10:30–12:00	S-3-07	GLOBAL CLIMATE CHANGE AND HEALTH- BUILDING BRIDGES BETWEEN SCIENCE AND PRACTICE Chair(s): John Balbus, Diarmid Campbell-Lendrum	Montreal

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- S-3-07-01 Bridging the North and South: climate science and practice
*Kristie Ebi**
- S-3-07-02 Data applications for state of the art analysis of infectious diseases
*Jan Semenza**
- S-3-07-03 Early warning systems for infectious disease in the context of climate change adaptation
*Madeleine Thomson**
- S-3-07-04 Research on climate, climate change and vector borne diseases in China
*Qiyong Liu**

10:30–12:00 O-3-08 **AIR POLLUTION AND NEURODEVELOPMENT** Sydney
Chair(s): Neas Lucas, Amar Mehta

- O-3-08-01 Brain and school traffic air pollution: the BREATHE Project, ecological association
Jordi Sunyer, Mar Álvarez Pedrerol, Joan Fornis, Ioar Rivas, Mònica López-Vicente, Mark J Nieuwenhuijsen, Xavier Querol*
- O-3-08-02 Prenatal PM10 and NO2 on infant neurodevelopment at 6, 12 and 24 months of age: MOthers and Children's Environmental Health (MOCEH) study
Eunjeong Kim, HyeSook Park, Yun Chul Hong, Mina Ha, Yangho Kim, Boong-Nyun Kim, Byung-Mi Kim, EunKyo Park, Eun-Hee Ha*
- O-3-08-03 Exposure to Particulate Matter Air Pollution during Pregnancy Is Associated With Increased Risk for Autism Spectrum Disorder
Raanan Raz, Andrea L Roberts, Kristen Lyall, Jaime E. Hart, Allan C. Just, Francine Laden, Alberto Ascherio, Marc G Weisskopf*
- O-3-08-04 Air pollution exposure during pregnancy and childhood cognitive and psychomotor development in 6 European birth cohort studies. The ESCAPE Project.
Monica Guxens, Jordi Sunyer, Raquel Garcia, Lise Giorgis-Allemand, Manolis Kogevinas, Ursula Krämer, Daniela Porta, Henning Tiemeier, Göran Pershagen, Bert Brunekreef*
- O-3-08-05 Neurocognition of children living near a ferromanganese refinery in southeastern Ohio
Erin Haynes, Paul Succop, Robert O. Wright, Patrick Parsons, Pierce Kuhnell, Jody Alden, Kim Dietrich*
- O-3-08-06 Long-term, Ambient Hydrogen Sulfide Exposure and Cognitive Function.
*Bruce Reed, Julian Crane, Nick Garrett, David Woods, Michael N. Bates**

10:30–12:00 O-3-09 **TRAP: MAKING SENSE OF EXPOSURES AND HEALTH EFFECTS** Singapore
Chair(s): Manolis Kogevinas, Daniela Fecht

- O-3-09-01 Traffic-related VOCs and health effects: A meta-analysis
Zhongqin Yi, Xiuyan Wang*
- O-3-09-02 SUBCLINICAL RESPIRATORY AND INFLAMMATORY HEALTH EFFECTS OF TRAFFIC RELATED AIR POLLUTION AND INTERDEPENDENCIES WITH PHYSICAL ACTIVITY
Nadine Kubesch, Audrey de Nazelle, David Martínez, Stefano Guerra, Mark J Nieuwenhuijsen*
- O-3-09-03 Association between long-term exposure to traffic-related air pollution and COPD
Tamara Schikowski, Martin Adam, Yutong Cai, Alessandro Marcon, Andrea Vierkötter, Anna Hansell, Jordi Sunyer, Francine Kauffmann, Nicole Probst-Hensch, Ursula Krämer, Nino Kuenzli*
- O-3-09-04 Association between personal exposures to traffic related ultrafine particles and biomarkers of cardiovascular health
Kevin Lane, Allison P Patton, Jonathan Levy, Madeleine Kangsen Scammell, Christina Fuller, John L Durant, Wig Zatore, Mkaya Mwamburi, Doug Brugge*
- O-3-09-05 The impact of noise on the short-term effects of traffic-related air pollution on heart rate variability in young healthy adults
Jing Huang, Furong Deng, Shaowei Wu, Henry Lu, Yu Hao, Xinbiao Guo*
- O-3-09-06 Air pollution from road traffic and systemic inflammation
Timo Lanki, Regina Hampel, Rob Beelen, Kateryna Fuks, Johanna Penell, Emmanuel Schaffner, Annette Peters*

10:30–12:00 O-3-10 **SHORT TERM EFFECTS OF AIR POLLUTION** Osaka / Samarkand
Chair(s): Klea Katsouyanni, Mathilde Pascal

- O-3-10-01 Evidence on Vulnerability and Susceptibility to Health Effects Associated with Short-Term Exposure to Particulate Matter: Systematic Review and Meta Analysis
Michelle L. Bell, Antonella Zanobetti, Francesca Dominici*

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	O-3-10-02	The effects of particulate matter (PM) sources on daily hospitalizations in three spanish cities, med-particles project <i>Bénédicte Jacquemin*, Xavier Basagaña, Angeliki Karanasiou, David Agis, Juan Alguacil, Julio Díaz, Xavier Querol, Jordi Sunyer, Bart Ostro, Massimo Stafoggia, Med-Particles Study Group</i>	
	O-3-10-03	ASSESSMENT OF THE HEALTH IMPACT OF PARTICULATE MATTER CHARACTERISTICS IN, ULAANBAATAR, MONGOLIA <i>Delgerzul Lodoisamba*, Hans Scheers, Benoit Nemery, Claire de Burbure, Suvd Batbaatar, Enkhjargal Altangerel, Lodoysamba Sereeter, Tim S. Nawrot</i>	
	O-3-10-04	Wood Smoke PM10 and Hospital Admissions in Seven Regional Australian Towns <i>Geoffrey Morgan*, Kara Martin, Ivan Hanigan, Sarah B. Henderson, Fay Johnston</i>	
	O-3-10-05	ASSOCIATIONS BETWEEN ORGANIC AEROSOLS AND ACUTE PRIMARY CARE VISITS FOR RESPIRATORY ILLNESSES <i>Amber Sinclair*, Dennis Tolsma</i>	
	O-3-10-06	Short-term Effects of Ambient Ozone on Stroke Risk in South Carolina, USA <i>Jessica Montresor-Lopez, Jeff Yanosky, Amir Sapkota, Xin He, James Hibbert, Robin Puett*</i>	
10:30–12:00	O-3-11	EQUITY includes ethics talk (e*) Chair(s): Julien Marshall, Sari Kovats	Rio
	O-3-11-01	Crowding at Lake Chad <i>Vreni Jean-Richard*, Jakob Zinsstag</i>	
	O-3-11-02	The influence of neighbourhood informality and socio-economic position on self-rated health among men and women: A multilevel cross-sectional study from Aleppo <i>Balsam Ahmad*, Vicky Ryan, Tanja Pless-Mulloli, Wasim Maziak, Martin White</i>	
	O-3-11-03	Ethnicity and environmental risk perception revisited: the importance of residential location. <i>M Barton Laws*, Ellin Reisner, Kevin Stone, Tina Wang, Yeh Yating, Doug Brugge</i>	
	O-3-11-04	Agricultural Pesticide Use Near Public Schools in California <i>Paul English, Jeff Fowles, Liang Guo, Galatea King, Max Richardson*, Eric Roberts, Alexa Wilkie, Craig Wolff, Michelle Wong</i>	
	O-3-11-05	Epidemiological research commissioned by public administration: ethical implications (e*) <i>Liliana Cori*, Fiorella Battaglia, Fabrizio Bianchi, Benedetto Terracini</i>	
10:30–12:00	O-3-12	AIR POLLUTION AND PHYSICAL ACTIVITY Chair(s): Mark J Nieuwenhuijsen, Sonja Kahlmeier	Boston
	O-3-12-01	Mapping the black carbon exposure of pedestrians and cyclists in urban environments <i>Bart Elen*, Jan Theunis, Joris Van den Bossche, Jan Peters, Bernard De Baets</i>	
	O-3-12-02	Variability in observed travel-to-school exposure to ultrafine particles <i>Ian Longley*, Huimin Lin, Nick Talbot, Jennifer Salmond</i>	
	O-3-12-03	Modelled health impacts of the London public bike scheme <i>James Woodcock, Marko Tainio*, James Chesire, Oliver O'Brien</i>	
	O-3-12-04	Air Quality and Health Co-Benefits from Reduced Car Travel in the Adelaide, South Australia <i>Ting Xia*, Ying Zhang, Pushan Shah, Shona Crabb</i>	
	O-3-12-05	Health impact assessment of increasing public transport and cycling use in Barcelona: A morbidity and burden of disease approach <i>David Rojas-Rueda*, Audrey de Nazelle, Oriol Teixidó, Mark J Nieuwenhuijsen</i>	
	O-3-12-06	Does traffic-related air pollution in urban air modifies beneficial effects of exercise on mortality? A cohort study <i>Zorana Jovanovic Andersen*, Audrey de Nazelle, Michelle A Mendez, Ole Hertel, Anne Tjønneland, Ole Rasmussen-Nielsen, Mark J Nieuwenhuijsen</i>	
10:30–12:00	S-3-13	DEMONSTRATION OF AIR QUALITY APPS AND SENSORS USHERING IN EXPOSURE SCIENCE IN THE 21ST CENTURY Chair(s): Lindsay Stanek, Timothy Buckley	Shanghai
	S-3-13-01	A fine-scale, multi-stakeholder, multi-pollutant ambient monitoring network for understanding urban metabolism and population exposure <i>David Holstius*, Virginia Teige, Katja Weichsel, Holly Maness, Andrew Hooker, Edmund Seto, Ronald Cohen</i>	

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	S-3-13-02	CITI-SENSE: Can sensor technologies contribute to raising awareness of environmental health? <i>Alena Bartonova*, CITI-SENSE consortium http://www.citi-sense.eu</i>	
	S-3-13-03	CITI-SENSE: Ostrava, Czech Republic – European hot spot for ambient air exposure to benzo[a]pyrene <i>Radim Sram*, Pavel Rossner, Jr., Andrea Rossnerova, Vlasta Svecova, Jan Topinka</i>	
	S-3-13-04	Low Cost Sensors – Current Capabilities and Gaps <i>Emily Snyder, Paul Solomon, Ronald Williams*, Eben Thoma, Dena Vallano</i>	
	S-3-13-05	Use and evaluation of low cost sensors for the monitoring of NO ₂ and O ₃ in ambient air within the EURAMET MACPoll project <i>Michel Gerboles*, Laurent Spinelle</i>	
10:30–12:00	O-3-14	ELECTROMAGNETIC FIELDS includes ethics talk (e*) Chair(s): Maria Feychting, Marco Martuzzi	Kairo
	O-3-14-01	ADULT CANCERS NEAR HIGH-VOLTAGE OVERHEAD POWER LINES <i>Paul Elliott, Gavin Shaddick, Margaret Douglass, Kees de Hoogh, David J. Briggs, Mireille B Toledano*</i>	
	O-3-14-02	Potential health impacts of residential exposures to extremely low frequency magnetic fields in Europe <i>James Grellier*, Paolo Ravazzani, Elisabeth Cardis</i>	
	O-3-14-03	Assessment of radiofrequency electromagnetic field exposure levels across several European cities <i>Damiano Urbinello*, Anke Huss, Wout Joseph, Leen Verlock, Luc Martens, Johan Beekhuizen, Vermeulen Roel, Martin Röösli</i>	
	O-3-14-04	Predicting indoor electromagnetic field strengths from mobile phone base stations using 3D geospatial modelling <i>Johan Beekhuizen*, Manon van Eijsden, Rob T. van Strien, Hans Kromhout, Alfred Bürgi, Roel Vermeulen, Anke Huss</i>	
	O-3-14-05	Long-term Mobile Phone Use and Acoustic Neuroma Risk – Swedish Nationwide Case-Control Study <i>David Pettersson*, Tiit Mathiesen, Michaela Prochazka, Tommy Bergenheim, Rut Florentzson, Henrik Harder, Gunnar Nyberg, Peter Siesjö, Maria Feychting</i>	
	O-3-14-06	Ethical aspects in assessing exposure information on electromagnetic fields in epidemiological studies (e*) <i>Martin Tondel*</i>	
10:30–12:00	O-3-15	CANCER AND ENDOCRINE EFFECTS OF ORGANIC POLLUTANTS Chair(s): David Savitz, Gayle Windham	Delhi
	O-3-15-01	Residential Exposure to Deca-Polybrominated Diphenyl Ethers and Risk of Childhood Acute Lymphoblastic Leukemia: Effects of Adjusting for BDE209 Degradation <i>Mary Ward*, Joanne S. Colt, Marcia Nishioka, Nicole C. Deziel, Todd P. Whitehead, Peggy Reynolds, Robert B. Gunier, Stephen Rappaport, Patricia A. Buffler, Catherine Metayer</i>	
	O-3-15-02	Health Risks of Flame Retardants in California House Dust <i>Robin Dodson*, Kathryn Rodgers, Adrian Covaci, Nele Van den Eede, Alin Ionas, Alin Dirtu, Laura Perovich, Julia Brody, Ruthann Rudel</i>	
	O-3-15-03	Shiftwork as a risk factor for breast cancer <i>Jane Heyworth*, Lin Fritschi, Jennifer Grischik, Deborah Glass, Thomas Erren, Christobel Saunders, Bcees Study team</i>	
	O-3-15-04	Polybrominated diphenyl ethers and thyroid hormone homeostasis in a New England cohort <i>Colleen Makey*, Michael McClean, Lewis Braverman, Elizabeth Pearce, Janice Weinberg, Andreas Sjödin, Thomas Webster</i>	
	O-3-15-05	Perfluoroalkyl acids (PFASs) and thyroid disruption in US adults (NHANES 2007-2008) <i>Glenys Webster*, Stephen Rauch, Andre Mattman, Bruce Lanphear, Scott A. Venners</i>	
	O-3-15-06	Long-term exposure to ambient volatile organic compounds and lung cancer in a case-control study in Toronto, Canada <i>Paul J Villeneuve*, Michael Jerrett, Darren Brenner, Jason Su, Hong Chen, John McLaughlin</i>	

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10:30–12:00	O-3-16	EXPOSURE TO METALS Chair(s): Wu Chang-Fu, Miranda Loh	Helvetia 1
	O-3-16-01	Land-Use Regression Models for Metals Associated with Airborne Particulate Matter in Calgary, Alberta <i>Markey Johnson*, Jue Yi (Joyce) Zhang, Liu Sun, Olesya Elikan, Stefania Bertazzon</i>	
	O-3-16-02	Airborne metal concentrations measured using passive samplers in a community near contaminated mine tailings <i>Paloma Beamer*, Anastasia Sugeng, Nathan Lothrop, Melissa Cox, Walter Klimecki, Sarah T. Wilkinson, Miranda Loh</i>	
	O-3-16-03	Heavy metal contamination identification and health risk assessment in the mining areas of Western Suzhou, China <i>Jun Bi*, Zongwei Ma, Kai Chen, Lei Huang</i>	
	O-3-16-04	Elevated Blood Mercury Levels in Adult Avid Seafood Consumers <i>Roxanne Karimi, Susan Silbernagel, Rebecca Monastero, Keith Levine, Jaymie Meliker*</i>	
	O-3-16-05	Physiologically Based Pharmacokinetic Modeling of Cerium Oxide Nanoparticles in Rats <i>Dingsheng Li, Gunnar Johanson, Claude Emond, Ulrika Carlander, Olivier Jolliet*</i>	
	O-3-16-06	Development of a PBPK Model for Ionic and Nanoparticulate Silver <i>Gerald Bachler*, Natalie von Götze, Konrad Hungerbühler</i>	
10:30–12:00	O-3-17	HOUSEHOLD AIR POLLUTION AND RESPIRATORY DISEASES Chair(s): Jelle Laverge, Luke P Naeher	Helvetia 2
	O-3-17-01	Global Picture on Children's Asthma and Allergic Diseases and Their Home Environment—"Children-HealthHomes" Phase I Study <i>Yuxia Sun, Malin Larsson, Kiril Naydenov, Geo Clausen, Nai-Yun Hsu, Zuraimi Sultan, Chungyoon Chun, Yinping Zhang, Carl-Gustaf Bornehag, Jan Sundell*</i>	
	O-3-17-02	Interactions between prenatal and early-life exposures to butylbenzyl phthalate and bisphenol -A on risk of asthma and other respiratory symptoms <i>Robin Whyatt*, Rachel Miller, Andrew Rundle, Matthew Perzanowski, Antonia M. Calafat, Allan C. Just, Kathleen Donohue, Lori Hoepner, Frederica Perera</i>	
	O-3-17-03	PVC-flooring at home and development of asthma among young children in Sweden, a 10-year follow-up <i>Huan Shu*, Bo A.G. Jönsson, Malin Larsson, Ewa Nånberg, Carl-Gustaf Bornehag</i>	
	O-3-17-04	Damp, fungi and risk of atopic disease in Cornwall, UK <i>Nicholas Osborne*, Chris Thornton, Richard Sharpe</i>	
	O-3-17-05	Indoor Air Quality and The Fractional Concentration of Exhaled Nitric Oxide in Asthmatic Children <i>Meryl Colton*, Kanistha Chatterjee, Patrick Ryan, Yang Qiu, Tiina Reponen, Gary Adamkiewicz</i>	
	O-3-17-06	A 10 city cross-sectional questionnaire survey in China: A preliminary understanding of the riddles behind the rapid increased prevalence of children's asthma <i>Yinping Zhang, Baizhan Li, Chen Huang, Xu Yang, Hua Qian, Qihong Deng, Zhuohui Zhao, Angui Li, Jianing Zhao, Yuxia Sun, Jan Sundell*</i>	
10:30–12:00	O-3-18	MEASURING AND MODELING SPATIO-TEMPORAL VARIATION IN AIRBORNE POLLUTANTS Chair(s): David Balshaw, Harish C. Phuleria	Helvetia 3-5
	O-3-18-01	Spatial and temporal interpolation of air pollutants in New York City: exposure assignment for use in a birth outcomes study <i>Zev Ross*, Kazuhiko Ito, Sarah Johnson, Michelle Yee, Grant Pezeshki, Jane Clougherty, David Savitz, Thomas Matte</i>	
	O-3-18-02	Spatial and temporal distribution of PM elemental composition in 20 European areas <i>Ming-Yi Tsai*, Regina E. Ducret-Stich, Josef Cyrys, Marloes Eeftens, Kees de Hoogh, Kees Meliefste, Mark J Nieuwenhuijsen, Harish C. Phuleria, Martina S. Ragettli, Meng Wang, Gerard Hoek</i>	
	O-3-18-03	Mapping Particulate Air Pollution (PM _{2.5}) Dispersion by Biomonitoring in Tel Aviv Metropolitan Area <i>Aya Lavi*, Elizabeth Fireman, Oded Pochter, Itzhak Omer</i>	
	O-3-18-04	A hybrid model using temporal and spatial regression to estimate air pollution exposure during pregnancy <i>Elena Proietti*, Edgar Delgado-Eckert, Georgette Stern, Danielle Vienneau, Ming-Yi Tsai, Philipp Latzin, Urs Frey, Martin Röösli</i>	

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- O-3-18-05 A method to identify and characterize short-lived air pollution events from time-series analysis of continuously-measured parameters
Roby Greenwald, Priya Kewada, Fuyuen Yip, Jeremy Sarnat*
- O-3-18-06 A Time Series Analysis of PM_{2.5} Concentrations in the Southeastern U.S. Using MAIAC AOD in a Two-stage Spatial Statistical Model
Xuefei Hu, Lance Waller, Alexei Lyapustin, Yang Liu**

12:30–13:30

MEETING OF THE EUROPEAN CHAPTER OF ISEE
Chair(s): Adrienne Ettinger

Osaka /
Samarkand

12:30–13:15

IOC AND SOCIETY PRESIDENTS MEETING

Miami

13:00–14:00

P-3

POSTER VIEWING III

HALL 4.1

O3

SHORT TERM EFFECTS OF AIR POLLUTION

- P-3-03-01 A National analysis of the short term effect of PM_{2.5} on hospitalizations and mortality in subjects with diabetes and the neurological impairment
Antonella Zanobetti, Francesca Dominici, Yun Wang, Joel D. Schwartz*
- P-3-03-02 Acute Wood Smoke Exposure and Heart Rate Variability among Rural Mexican Women
Horacio Riojas Rodríguez, Carmen Loreto Gómez, Belem Trejo Valdivia, Maite Vallejo, Astrid Schilmann, Isabelle Romieu*
- P-3-03-03 AIR POLLUTION AND HEALTH INDICATORS IN A RAPIDLY DEVELOPING INDUSTRIAL PORT IN THE SULTANATE OF OMAN
ADIL SAID ALI AL-WAHAIBI, Ariana Zeka*
- P-3-03-05 Associations between emergency department admissions for respiratory disorders and daily exposure to air pollution: first results of the Italian EPIAIR project
Claudia Galassi, Laura Crosetto, Enrica Migliore, Andrea Evangelista, Giovanna Berti, Elisabetta Chellini, Annunziata Faustini, Francesco Forastiere, Ennio Cadum, the Collaborative EPIAIR Group*
- P-3-03-06 Cause-specific hospital admissions on hot days in Sydney, Australia
Pavla Vaneckova, Hilary Bambrick*
- P-3-03-07 Coarse Particulate Matter and Hospital Visits: The Colorado Coarse PM Rural Urban Source and Health Study
Jennifer L. Peel, Zev Ross, Nick Clements, William Navidi, Jana Milford, Shelly Miller, Michael Hannigan*
- P-3-03-08 Cold Ambient Temperature and Sudden Cardiac Arrest: Effect of Medical History on Risk Estimates
Frank Rosenthal, Markku Kuusma, Timo Lanki, Maarit Jaana Korhonen, James Boyd, Jaana Halonen, Juha Pekkanen*
- P-3-03-09 Comparison of the Estimated Effects of Air Pollution on Human Mortality in Three Southern USA Cities
Rebecca Klemm, Ronald Wyzga, Eddie Thomas*
- P-3-03-10 Concentration Response Curve for Ozone related Mortality at High Concentrations
Ana Rappold, James Crooks, Lucas M. Neas*
- P-3-03-11 Daily mortality and PM_{2.5} sources in Denver estimated using only particle-phase or total semi-volatile organic compounds (SVOCs)
Sun-Young Kim, Mingjie Xie, Michael Hannigan, Steven Dutton, Jana Milford, Kelley Barsanti, Sverre Vedal*
- P-3-03-12 Does temperature modify the association between air pollution and mortality? A multicity meta-analysis study
SatByul Estella Kim, Youn-Hee Lim, Honda Yasushi, Masahiro Hashizume*
- P-3-03-13 Effect modification of ambient air pollution in the associations between aeroallergens and allergic disease medication relievers in Ontario, Canada
Eric Lavigne, Xiang Wang, Rose Dugandzic, Frances Coates*
- P-3-03-14 Effect of Intervention Activities to Control Air Pollution on Mortality in Three Israeli Cities
Lital Yinon-Wolf, George Thurston, Eric Amster*
- P-3-03-15 Effects of Asian dust storms on mortality in three Asian cities
Hyewon Lee, Ho Kim, Yasushi Honda, Yue-Liang Guo, Youn-Hee Lim, Na-Kyung Kim*

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- P-3-03-16 Effects of Short-term Exposure to Inhalable Particulate Matter on Tandem Repeats DNA Methylation
Li-qiong Guo, Andrea A Baccarelli, Hyang-Min Byun, Valeria Motta, Jitendra Barupal, Chang Dou, John P. McCracken, Joel D. Schwartz, Sheng Wang, Lifang Hou, Andrea A Baccarelli*
- P-3-03-17 Emergency hospital admissions for cardiorespiratory diseases and PM10 chemical composition in Hong Kong Vivian C. Pun*, Hong Qiu, Kin-fai Ho, Ignatius T. S. Yu, Linwei Tian
- P-3-03-18 Health effects of black carbon in the city of Barcelona
Aurelio Tobias, Cristina Reche, Angeliki Karanasiou, Fulvio Amato, Jorge Pey, Patricia García de Olaya, Joan A. Cayla, Andrés Alastuey, Xavier Querol*
- P-3-03-19 Health impact assessment (acute chronic CVD and RSD) of ambient air ??10 and PM 2.5 of Ulaanbaatar city Enkhjargal Altangerel*, Batbaatar Suvd, Badrakh Burmaajav
- P-3-03-20 Impact of air pollution on health in Beirut- BAPHE (Beirut AirPollution and Health Effects) protocol and
Myriam Mrad Nakhle, Isabella Annesi-Maesano, Nelly Ziade, Maher Abboud, Wehbeh Farah*
- P-3-03-21 Impact of ambient PM2.5 carbon measurement methods on observed associations with acute cardiorespiratory morbidity
*Andrea Winquist, James Schauer, Jay Turner, Mitch Klein, Stefanie Sarnat**
- P-3-03-22 Influence of air quality data estimation on short-term health effect estimates of air pollution in epidemiological studies
Martina Gandini, Giorgio Cattani, Massimo Stafoggia, Giovanna Berti*
- P-3-03-23 Influence of the PM10 measurement techniques on the assessment of the short-term mortality impacts of PM10
Mathilde Pascal, Magali Corso, V  r  ne Wagner, Edouard Chatignoux, Christophe Declercq*
- P-3-03-24 Joint effects of air pollutants on pediatric asthma emergency department visits
Andrea Winquist, Ellen Kirrane, Mitch Klein, Strickland Matthew, Lyndsey Darrow, Stefanie Sarnat, Katherine Gass, James Mulholland, Armistead Russell, Paige Tolbert*
- P-3-03-25 Modeling the Effect of Temperature on Ozone-Related Mortality
Ander Wilson, Brian Reich, Lucas M. Neas, Ana Rappold*
- P-3-03-26 Non-linear Shapes of Concentration-Response Function for Particulate-Matter-related Mortality in High Concentration Range: Evidence from Taiyuan, China
Zhe Liu, Baoxin Zhao, Zhiqin Zhang, Xiaoping Zhang, Ligang Ma, Yanping Zhang, Baoqing Feng, Haiping Li*
- P-3-03-27 Particulate air pollution and mortality in Tallinn: A time-series analysis in North-Eastern European country
*Kristi L  ll, Mait Raag, Hans Orru**
- P-3-03-28 Particulate matter air pollution and stroke morbidity and mortality: a meta-analysis
Hans Scheers, Lotte Jacobs, Beno  t Nemery, Tim S. Nawrot*
- P-3-03-29 Particulate Matter and Temperature effects on respiratory mortality, considering socio-economic disparities, Sao Paulo – Brazil: a case-crossover analysis
Samya Pinheiro, Paulo H  l  rio Saldiva, Joel D. Schwartz, Antonella Zanobetti*
- P-3-03-30 Regional Differences in Acute Health Effects of PM2.5 Using Fractional Polynomial Models. -20 City Study in Japan-
Ayano Takeuchi, Kayo Ueda, Hiroshi Nitta, Toru Takebayashi, Yuji Nishiwaki*
- P-3-03-31 Short-term effects of particulate air pollution on mortality in 25 cities in Italy and the role of the individual susceptibility–results of the EPIAIR2 project
Ester Rita Alessandrini, Massimo Stafoggia, Giovanna Berti, Cecilia Scarinzi, Annunziata Faustini, Francesco Forastiere, Ennio Cadum, the Collaborative EPIAIR Group*
- P-3-03-32 Short-term effects of PM10 from Saharan dust on mortality in Southern Europe – Results of the MEDPARTICLES Project
Massimo Stafoggia, Ester Rita Alessandrini, Jorge Pey, Annunziata Faustini, Stefano Zauli Sajani, Evangelia Samoli, Jordi Sunyer, Xavier Querol, Francesco Forastiere, Med-Particles Study Group*

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- P-3-03-33 Short-term effects of PM₁₀ of Forest Fire on mortality in Southern Europe – Results of the MED-PARTICLES Project
Annunziata Faustini, Massimo Stafoggia, Jorge Pey, Evangelia Samoli, Xavier Querol, Ennio Cadum, Cinzia Perrino, Andrea Ranzi, Jordi Sunyer, Francesco Forastiere, the MED-PARTICLES study group study group*
- P-3-03-34 Smoke Fog and the Incidence of Acute Myocardial Infarction in a Time-Stratified Case-Crossover Study
Michikawa Takehiro, Kayo Ueda, Ryuichi Matsuka, Yusuke Yamamoto, Hiroshi Nitta*
- P-3-03-35 Statistical approach when time lags between the start of the exposure and death are very long
Ikuko Funatogawa, Takashi Funatogawa*
- P-3-03-36 The effects of air pollution on hospital admissions for cardiac, cerebrovascular and respiratory diseases in the multi-city Italian EPIAIR2 study
Ester Rita Alessandrini, Massimo Stafoggia, Monica Chiusolo, Martina Gandini, Francesco Forastiere, Ennio Cadum, the Collaborative EPIAIR Group*
- P-3-03-37 The effects of air pollution on years of life lost in Beijing, China: a time series study
Yuming Guo, Shanshan Li, Zhaoxing Tian, Xiaochuan Pan, Jinliang Zhang, Gail Williams*
- P-3-03-38 The impact of ambient particulate matter (PM₁₀) on the population mortality for cerebrovascular diseases
*Xuying Wang, Fengming Dong, Minghao Jin, Xiaochuan Pan**
- P-3-03-39 The Interactive Effects between Meteorological Factors and Air Pollutants on Circulatory and Respiratory Mortality in Beijing
Meimei Xu, Yunzheng Mo, Xiaochuan Pan*
- P-3-03-40 The Relationship of Ambient Fine Particulate Pollution (PM_{2.5}) and Cardiovascular Disease Hospitalizations
Evelyn Talbott, Judy Rager, Luann Brink, Stacey Benson*
- P-3-03-41 The relationships between short-term exposure to particulate matter and mortality in Korea: Impact of particulate matter exposure metrics for sub-daily exposure
Jiyoung Son, Michelle L. Bell*

04 AIR POLLUTION EXPOSURE ASSESSMENT

- P-3-04-01 A Community-Based Participatory Research (CBPR) Approach to Characterize Perceived Air Pollution "Hot Spots" Using Tree Leaves as Biomonitor
Gillooly Sara, Leah Cambal, Michael Yonas, Jill Kriesky, Jessica Schmid, Judith Moore, Jane Clougherty, Kyra Shields*
- P-3-04-02 A hybrid Land Use Regression/AERMOD Model for Predicting PM_{2.5}
Drew Michanowicz, Jessie Carr, Brett Tunno, Leah Cambal, Sara Gillooly, Jeffrey Howell, Sheila Tripathy, Courtney Roper, Kyra Naumoff-Shields, Jane Clougherty*
- P-3-04-03 Advances in atmospheric chemistry for applications in exposure, epidemiology, and indoor air research
Shih-Chun Candice Lung, Christine Wiedinmyer*
- P-3-04-04 Application of a Centrifugal Vane Mist Eliminator in the Gaseous Effluent Treatment in the External Environmental Air
Eusébio Conceição, Daniel Geraldo, João M. M. Gomes*
- P-3-04-05 Application of a modified receptor model for apportioning air pollutants based on data with multiple time resolution
Chang-Fu Wu, Cheng-Pin Kuo, Ho-Tang Liao*
- P-3-04-06 Assessment of Occupational Exposure of Forest Firefighters to Woodsmoke Using Levoglucosan, Particulate Matter and Carbon Monoxide
Olorunfemi Adetona, Christopher Simpson, Gretchen Onstad, Luke P Naehler*
- P-3-04-07 Assessment of the Inhalation Toxic Exposure for Children Living in Urban Areas
Kuzmina Elena, Vladimir Gurvich, Sergei Kuzmin*
- P-3-04-08 Development of a Spatio-Temporal Model of Air Pollution Source Apportioned Factors in a Multi-Ethnic Study of Atherosclerosis (MESA) Region
Julie Fox, Sun-Young Kim, Joel Kaufman, Timothy Larson, Sverre Vedal*
- P-3-04-09 EPA-Expo-Box: A Web-Based Toolbox for Exposure Assessors
*Linda Phillips**

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- P-3-04-10 Estimating population exposure to high ozone concentrations under major meteorological conditions in a coastal city
*Jae-Eun Kang**, Yoo-Keun Kim, In-Bo Oh, Jin-Hee Bang, Yoon-Hee Kang
- P-3-04-11 Exposure misclassification due to residential mobility during pregnancy
*Susan Hodgson**, Peter WW Lurz, Mark DF Shirley, Mary Bythell, Judith Rankin
- P-3-04-12 Individual exposure to size-fractionated particulate matter and carbon monoxide in selected microenvironments of the Milan urban area
*Andrea Spinazzè**, Andrea Cattaneo, Domenico Maria Cavallo
- P-3-04-13 Inter-annual variability in national exposure estimates from land use regression models
*Ilan Levy**, Noam Levin, Joel D. Schwartz, Jeremy Kark
- P-3-04-14 Long-term exposure to air pollution. a 20-year follow-up in a French cohort study.
*Malek Bentayeb**, Morgane Stempfelet, Vèrène Wagner, Marie Zins, Marcel Goldberg, Amandine Rosso, Eric Chaxel, Alexandre Armengaud, Philippe Rossello, Raphaële Deprost, Christophe Declercq
- P-3-04-15 OXIDATIVE POTENTIAL IN 10 EUROPEAN AREAS OF THE ESCAPE STUDY: SPATIAL VARIATION AND LAND USE REGRESSION MODELS
*Aleksandra Jedynska**, Gerard Hoek, Rob Beelen, Klea Katsouyanni, Giulia Cesaroni, Helgah Makarem, Kirsten Eriksen, Timo Lanki, Christophe Declercq, Bert Brunekreef, Ingeborg Kooter
- P-3-04-16 Ozone variation in space and time
*Ebba Malmqvist**, Lars Modig, Annika Hagenbjörk-Gustafsson, Håkan Tinnerberg, Kristoffer Mattisson, Lars Rylander
- P-3-04-17 Personal versus fixed-site monitoring for assessing PM_{2.5} exposure in an industrial city, Saudi Arabia
*Salem Albalawi**, Susan Hodgson, Anil Namdeo, Tanja Pless-Mulloli
- P-3-04-18 Predicting personal exposure to air pollutants in children living in a high risk area. A Universal Bayesian Kriging approach.
*Dolores Catelan**, Ana M. Vicedo-Cabrera, Laura Grisotto, Fabio Barbone, Annibale Biggeri
- P-3-04-19 Spatiotemporal modeling of wildfire smoke exposure in Northern California using satellite data and chemical transport models
*Colleen Reid**, Michael Jerrett, Ira Tager, Maya Petersen, Philip Morefield, John R. Balmes
- P-3-04-20 SPATIOTEMPORAL VARIATION OF PARTICLE NUMBER AND SURFACE AREA CONCENTRATION IN FOUR SWISS AREAS AND ITS RELATIONSHIP WITH MASS MEASUREMENTS
*Harish C. Phuleria**, Ming-Yi Tsai, Martina S. Ragetti, Elisabetta Corradi, Alex Ineichen, Thierry Rochat, Nicole Probst-Hensch, Martin Fierz, Nino Kuenzli
- P-3-04-21 Traffic and mineral dust impact on air quality in Nairobi, Kenya
*Michael J. Gatari Gichuru**, Jeremiah K. Ngenoh, David M. Maina, Lydia W. Njenga
- P-3-04-22 Trends in NO_x exposure contrast from 1975 to 2004 in the Gothenburg Primary Prevention Study cohort
*Peter Molnar**, Leo Stockfelt, Annika Rosengren, Lars Barregård, Gerd Sallsten
- P-3-04-23 Use of ADMS-Urban dispersion model to estimate the concentration of nitrogen dioxide in Kaunas city
*Audrius Dedele**, Regina Grazuleviciene, Tomas Grazulevicius, Aukse Miskinyte

05

HEALTH EFFECTS OF AIR POLLUTION

- P-3-05-01 Acute effects of particulate matter and black carbon on peak expiratory flow in a panel of schoolchildren residents in Tangará da Serra, Brazilian Amazon.
*Ludmilla Jacobson**, Sandra Hacon, Eliane Ignotti, Hermano Castro, Paulo Artaxo, Paulo Hilário Saldiva, Antonio Ponce de Leon
- P-3-05-02 Air pollution and subclinical inflammation in the lung: direct or indirect effect? Results from the SALIA cohort study
*Mohammad Vossoughi**, Tamara Schikowski, Andrea Vierkötter, Barbara Hoffmann, Tom Teichert, Christian Herder, Thomas Schulte, Christian Luckhaus, Monika Raulf-Heimsoth, Dorothea Sugiri
- P-3-05-03 Ambient Air Pollution and Hypertensive Disorders of Pregnancy in Jacksonville, Florida
*Xiaohui Xu**, Hui Hu

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- P-3-05-04 Assessing the impact of ambient air pollution by cresol and phenol on disease incidence in children
Nina Zaitseva, Pavel Shur, Vadim Alekseev*
- P-3-05-05 Association between ambient temperature and acute myocardial infarction hospitalisations in Gothenburg, Sweden: 1985-2010
Janine Whichmann, Annika Rosengren, Karin Sjöberg, Lars Barregård, Gerd Sallsten*
- P-3-05-06 Association between long-term exposure to particulate matter constituents and blood markers of inflammation in European cohorts.
Regina Hampel, Annette Peters, Rob Beelen, Kateryna Fuks, Johanna Penell, Nicole Probst-Hensch, Timo Lanki*
- P-3-05-07 Associations between personal and ambient air pollution and markers of inflammation, thrombosis and endothelial function in diabetic patients
Getahun Bero Bedada, Raymond Agius, John New, Martin Gibson, Roseanne McNamee, Adrian Hirst, Kirk Siddals*
- P-3-05-08 Associations between Short-term Changes in Air Pollution and Correlates of Arterial Stiffness: the VA Normative Aging Study
Amar Mehta, Antonella Zanobetti, Petros Koutrakis, Murray A. Mittleman, David Sparrow, Pantel S. Vokonas, Joel D. Schwartz*
- P-3-05-09 California Breast Cancer Mapping Project: Engaging stakeholders in developing and implementing a protocol for mapping breast cancer
Eric Roberts, Michelle Wong, Bahar Kumar, Alexa Wilkie, Gala King, Max Richardson, Craig Wolff, Liang Guo*
- P-3-05-10 Cancer incidence in Italian Polluted Sites
Pietro Comba, Paolo Ricci, Ivano Iavarone, Roberta Pirastu, Carlotta Buzzoni, Mario Fusco, Stefano Ferretti, Emanuele Crocetti*
- P-3-05-11 Climate Change Impacts of Ozone on Morbidity in Vulnerable Populations across the Life Stages in 2050, Mecklenburg County, North Carolina, USA
Steven J. Lippmann, Karin Yeatts, Lauren Thie, Adel Hanna, Anna E. Waller*
- P-3-05-12 Development of an Aerosol Sampler for In Vitro Exposure Studies of Lung Tissue
Vizuete William, Jose Zavalas, Ken Sexton, Ilona Jaspers, harvey Jeffries*
- P-3-05-13 Effects of long-term exposure to air pollution on respiratory mortality; results of the ESCAPE Project.
Konstantina Dimakopoulou, Evangelia Samoli, Rob Beelen, Ole Raaschou-Nielsen, Zorana Jovanovic Andersen, Paolo Vineis, Wei Xun, Gerard Hoek, Klea Katsouyanni*
- P-3-05-14 Effects of particulate air pollution and ozone on lung function in non-asthmatic schoolchildren.
Chi Hsien Chen, Yuo Leon Guo*
- P-3-05-15 Enhancing PM exposure-response functions by incorporating lung deposition and oxidative potential
Denis Sarigiannis, Spyros Karakitsios, Marianthi Kermenidou*
- P-3-05-16 Exploring Gender Differences in Relationships of Prenatal Traffic Air Pollution Exposures with Attention and Memory Measures in Early School-aged Urban Children
Yueh-Hsiu Mathilda Chiu, David C. Bellinger, Brent A. Coull, Robert O. Wright, Rosalind Wright*
- P-3-05-17 EXPOSURE TO AIR POLLUTION DURING PREGNANCY AND PLACENTAL WEIGHT IN THREE COHORTS IN SPAIN
Marisa Estarlich, Ferran Ballester, Ana Esplugues, Aitana Lertxundi, Inmaculada Aguilera, Mario Murcia, Carmen Iñiguez, Maria-Jose Lopez-Espinosa, Mikel Basterrechea, Jordi Sunyer, Sabrina Llop*
- P-3-05-18 Exposures to air pollutants during pregnancy and weight of the children
Sanghyuk Bae, Young Ah Lee, Jin Hee Kim, Seung Joon Chung, Choong Ho Shin, Yun Chul Hong*
- P-3-05-19 HEAPS Study Design: Health Effects of Air Pollution in Antwerp Schools
Evi Dons, Martine Van Poppel, Sofie De Prins, Tim S. Nawrot, Luc Int Panis, Gudrun Koppen*
- P-3-05-20 Long term air pollution exposure and COPD in SALIA: Discrepancies between ESCAPE results and published evidence in SALIA
Tamara Schikowski, Andrea Vierkötter, Dorothea Sugiri, Nicole Probst-Hensch, Nino Kuenzli, Ursula Krämer*

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- P-3-05-21 Long-term air pollution exposure and multiple sclerosis
Pouria Heydarpour, Hassan Amini, Shayan Khoshkish, Mohammad Ali Sahraian, Masud Yunesian*
- P-3-05-22 Long-term health effects of air pollution incorporating horizontal and vertical spatial variations of PM_{2.5} concentrations
Hak Kan Lai, Anthony J Hedley, Hilda Tsang, Thuan Quoc Thach, Ruby SY Lee, Tai Hing Lam, Chit Ming Wong*
- P-3-05-23 Long-term particulate matter exposures lowers blood pressures of elderly population aged above 65
Hsiao-Ching Lin, Szu-Ying Chen, Chang-Fu Wu, Jui-Huan Lee, Barbara Hoffmann, Annette Peters, Bert Brunekreef, Chang-Chung Chan*
- P-3-05-24 Low birth weight and exposure to particles and ozone in Los Angeles County, California
Olivier Laurent, Jun Wu, Lianfa Li, Jianlin Hu, Myles Cockburn, Mike Kleeman*
- P-3-05-25 Mortality associations with long-term exposure to outdoor air pollution in a national English cohort
Richard Atkinson, Iain Carey, H. Ross Anderson, Derek Cook, Andrew Kent, Tjeerd Van Staa*
- P-3-05-26 MORTALITY TREND IN APULIA PROVINCES, ITALY, 1949-2008
Maria Angela Vigotti, Maria Rosa Montinari, Emilio Antonio Luca Gianicolo*
- P-3-05-27 Neurobehavioral impairments of residents residing near petrochemical plants: a cross-sectional study
Nitaya Vajanapoom, Nuntavarn Vichit-Vadakan, Thach Thuan-Quoc*
- P-3-05-28 New Methods for Assessing Exposure to Asbestos and Other Fibrous Minerals to Inform Risk Assessment
Jonathan Thornburg, William Barrett, Jed Januch, David Berry, John Kominsky, James Konz*
- P-3-05-29 Occupational exposure to crystalline silica and the risk of lung cancer in Canadian men
Linda Kachuri, Shelley A Harris, Marie-Élise Parent, Kenneth C Johnson, Paul J Villeneuve*
- P-3-05-30 Persistent Respiratory Health in Children 3 Years After the Hebei Spirit Oil Spill
Jung Ah Kim, Su Ryeon Noh, Yong Jin Jeon, Hyun Sook Bae, Gwi Heum Eom, Young-Hyun Choi, Mina Ha, HaeKwan Cheong*
- P-3-05-31 Population-based cohort studies to assess long-term health effects of environmental and occupational exposures close to industrial and contaminated sites in Ita
Francesco Forastiere, Carla Ancona, Giulia Cesaroni, Claudio Gariazzo, Alessandro Marinaccio, Stefania Massari, Francesca Mataloni, Roberto Sozzi, Massimo Stafoggia*
- P-3-05-32 Potential Airway Obstruction 7 years Following Exposure to Chlorine
Pallavi Balte, Kathleen Clark, Lawrence Mohr, Wilfried Karmaus, Dennis Ownby, Daniel Salerno, Bo Cai, John Vena, Erik Svendsen*
- P-3-05-33 Sensory evaluation in buildings
Birgit Müller, Ana Maria Scutaru, H.j. Moriske*
- P-3-05-34 Short-term Effects of Air Pollution on Out-of-Hospital Cardiac Arrest
Auriba Raza, Tom Bellander, Getahun Bero Bedada, Marcus Dahlquist, Jacob Hollenberg, Martin Jonsson, Tomas Lind, Mårten Rosenqvist, Leif Svensson, Petter L. Ljungman*
- P-3-05-35 The Association between First Trimester Maternal Exposure to Air Pollutants and Indicators of Fetal Growth in Mexico City
Melissa Smarr, Luis O. Rivera-González, Felipe Vadillo-Ortega, Marie S. O'Neill*
- P-3-05-36 Toxicological effects of indoor PM₁₀ in urban primary schools in Barcelona, Spain
Teresa Moreno, A. Włodarczyk, K Berube, T Jones, Cristina Reche, Aurelio Tobias, BREATHE Participants*
- P-3-05-37 Wildfire Smoke and Community Health: A Literature Review
Jia Liu, Sarah Uhl, Gavin F. Pereira, Michelle L. Bell*

07 NOISE

- P-3-07-01 A new GIS-based traffic noise model for London (UK)
John Gulliver, Danielle Vienneau, Daniela Fecht*

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- P-3-07-02 Assessing environmental noise exposure: does the size of the neighbourhood matter?
Quentin Tenailleau, Nadine Bernard, Sophie Pujol, Daniel Joly, Helene Houot, Frederic Mauny*
- P-3-07-03 Frequency components of measured road traffic noise and the prevalence of hypertension in Taichung, Taiwan
Ta-Yuan Chang, Rob Beelen, Su-Fei Li, Bo-Ying Bao, Chiu-Shong Liu*
- P-3-07-04 Gender and geographic differences in the prevalence of childhood hearing impairment: Analysis of data from the national disability registry of Taiwan, 2004-2010
How-Ran Guo, Cheng-Yu Lin, Yen-Cheng Tseng, Der-Chung Lai*
- P-3-07-05 Geographic and temporal variability in noise levels in New York City
Tara McAlexander, Richard Neitzel, Robyn Gershon*
- P-3-07-06 Listening behaviour among adolescents using personal music players and hearing status
*Carmelo Perez-Alvarez, Thomas Steffens, Angelika Zirngibl, Gabriele Bolte, Hermann Fromme, Dorothee Twardella**
- P-3-07-07 Measurement of Noise and Physical Activity in the US National Children's Study
Susan Marie Viet, Michael Dellarco, Maire S.A. Heikkinen, Pabitra Josse, Michelle Lee*
- P-3-07-08 Mobile noise measurements as a proxy for BC exposure: spatiotemporal and spatial analysis
Luc Dekoninck, Dick Botteldooren, Luc Int Panis*
- P-3-07-09 NORAH Study: Blood Pressure Monitoring using telemedicine – design and methods
Anja zur Nieden, Rolf-Hasso Bödeker, Susanne Harpel, Azita Lengler, Ulrich Möhler, Dirk Schreckenberger, Andreas Seidler, Steffen Unkel, Thomas Eikmann*
- P-3-07-10 ON THE PREVALENCE OF THE NERVOUS, CARDIOVASCULAR AND HEARING DISEASES IN POPULATION LIVING NEAR THE LARGE AIRPORT
*May Irina, Zaitseva Nina**
- P-3-07-11 Road traffic noise exposure, sleep quality and mental health
Karin Sygna, Gunn Marit Aasvang, Geir Aamodt, Bente Oftedal, Norun Hjertager Krog*
- P-3-07-12 Social inequalities in road traffic noise exposure
*Karin Sygna, Gunn Marit Aasvang, Geir Aamodt, Bente Oftedal, Jorunn Evandt, Norun Hjertager Krog**
- P-3-07-13 Thermal and Noise Stress Levels in Pre-Tanning Operations of
Simon Thomas, Surianarayanan Mahadevan, Asit Baran Mandal*
- P-3-07-14 Time Trends of Environmental Noise Exposure Risks in the Urban Area
Lubica Argalasova-Sobotova, Jana Jurkovicova, Zuzana Stefanikova, Jana Babjakova, Katarina Hirosova, Ludmila Sevcikova*
- P-3-07-15 Traffic noise exposure and markers of obesity
Andrei Pyko, Charlotta Eriksson, Agneta Hilding, Claes-Göran Östenson, Göran Pershagen*
- P-3-07-16 Traffic related air pollution and noise on cardiovascular outcomes: a systematic review
Louis-François Tetreault, Stéphane Perron, Audrey Smargiassi*

08 HOUSEHOLD AIR POLLUTION EXPOSURE ASSESSMENT

- P-3-08-01 A Study on the Estimation of the Natural Ventilation by Train-Induced Wind in the Subway Tunnel
Sung-Joon Bae, In-Yeong Jeong, Kyoung-Bin Lee, Kim Shin-Do, Duck Shin Park*
- P-3-08-02 Advanced VOC Removal Technologies
Aneliese Ramsay, Alan Uraz*
- P-3-08-03 Analysis of Airborne Furan Indoors by Solid Phase Microextraction
*Li-Ting Lin, Shih-Wei Tsai**
- P-3-08-04 Analysis of Energy-saving and Indoor Environment Quality for the Operation Rooms in a Hospital
Tong Bou Chang, Fu-Jen Wang, Meng-Chieh Lee, Chun-Yuan Hsu*
- P-3-08-05 Analysis of Train-Induced Wind Characteristics in a Subway Tunnel
In-Yeong Jeong, Sung-Joon Bae, Kyoung-Bin Lee, Shin-Do Kim, Duck Shin Park*

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- P-3-08-06 Application of the Maximum Cumulative Ratio (MCR) as a screening tool for evaluating mixtures in residential indoor air
Matti Jantunen, Katleen De Brouwere, Athanasios Arvanitis, Terry Brown, Christa Cornelis, Derrick Crump, Paul Harrison, Rudi Torfs*
- P-3-08-07 Development of a low-cost, real-time, telemetric, continuous residential indoor air quality monitoring system: progress and lessons learned
Ellen Wells, Donald Moore, Marcia Nishioka, Jeno Mozes, Kenneth A. Loparo, Stuart Greenberg, Dorr G. Dearborn*
- P-3-08-08 Effect of physical and chemical properties of manganese dioxide on the oxidative decomposition of formaldehyde at room temperature
Yuki Nagaoka, Yoshika Sekine, Takahiro Ozano, Emu Kimura*
- P-3-08-09 Emerging chronic non-communicable diseases in rural communities of Northern Ethiopia: evidence using population-based verbal autopsy method in Kilite Awlaelo su Berhe Sahle*, Yemane Alemayehu, Tesfay Gebregziabihier
- P-3-08-10 Emission of ammonia from human skin and its impact on indoor air quality
Yoshika Sekine, Hidenobu Furukawa, Kazuyo Takahashi, Shiro Ikeda*
- P-3-08-11 EVALUATION OF TRANSFLUTHRIN INHALATION EXPOSURE DURING THE APPLICATION OF ELECTRIC VAPORIZERS INDOORS.
Aude Vesin, Philippe Glorennec, Barbara Le Bot, Henri Whortam, Nathalie Bonvallot, Etienne Quivet*
- P-3-08-12 IAQ in modern office buildings in Europe: the OFFICAIR Project
Corinne Mandin, Serena Fossati, Philomena M. Bluyssen, Viktor G. Mihucz, Domenico Maria Cavallo, Eric Cornelissen, Ioannis Sakellaris, Gabriela Ventura, Tamas Szigeti, Rosanna Mabilia, John Bartzis*
- P-3-08-13 The effect of continued use of open fires on the reductions in household air pollution observed in the Guatemala RESPIRE and CRECER Studies
Ilse Ruiz-Mercado, Anaite Díaz, John R. Balmes, Kirk R. Smith*
- P-3-08-14 The effects of daily fuels using on indoor VOCs in rural northern Anhui province
Jinliang Zhang, Qin Liu, Ling Liu, Guoliang Chen, Xiujie Fang, Sujuan Xue*
- P-3-08-15 The Methodological Approach of Corona Air Ionizer Usage while conducting Correction of Indoor Air Ion Composition
*Konstantin Chernyi**
- P-3-08-16 Toxicity Evaluation of Organophosphate Flame Retardants in terms of Cholinesterase Inhibition
Miyuki Noguchi, Atsushi Mizukoshi, Akira Nishimura, Yukio Yanagisawa, Akihiro Yamasaki*
- P-3-08-17 Validating the Performance of the RTI MicroPEM to Support Indoor Air Pollution Exposure Health Studies
Ryan Chartier, Myles Elledge, Michael Phillips, Katherine Bronstein, Jonathan Thornburg, Paul Mosquin, Vanessa Thornburg, Sumal Nandasena, Randy Newsome, Charles Rodes*
- P-3-08-18 Food Flavorings Exposures and Bronchiolitis Obliterans: A Case Series
David Galbraith, Heather Bolstad*

11 TOBACCO SMOKE

- P-3-11-01 Ambulatory and emergency hospital visits on account of wheezing in children exposed to secondhand smoke in multi-unit dwellings, National Health and Nutrition E
Hillel Alpert, Israel Agaku, Constantine Vardavas, Gregory Connolly*
- P-3-11-02 Association between Parental Smoking and Acute Childhood Leukemia
*Jai Dong Moon**
- P-3-11-03 Attributable Risk from Exposure to Second-hand Smoke in Korean Adults in 2009
Seulkee Heo, Jina Heo, Jong-Tae Lee*
- P-3-11-04 Baseline cigarette smoking and dusty job exposure associations with COPD and asthma symptoms in the Vitamin D and Omega-3 Trial (VITAL)
Heike Luttmann-Gibson, Julie Buring, Georgina Friedenber, David Gordon, I-Min Lee, Jo Ann Manson, Diane R. Gold*
- P-3-11-05 Bayesian spatio-temporal modelling of tobacco-related cancer mortality in Switzerland
Verena Jürgens, Silva Ess, Harish C. Phuleria, Martin Früh, Matthias Schwenkgenks, Harald Frick, Thomas Cerny, Penelope Vounatsou*

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- P-3-11-06 Biological components of tobacco smoke aerosol
Bogumila Szponar, Christina Pehrson, Lennart Larsson*
- P-3-11-07 Cardiovascular benefits of smoking regulations in public places: validation of a mathematical model.
Francesco Barone-Adesi, Antonio Gasparrini, Lorenzo Richiardi*
- P-3-11-08 Contribution of Secondhand Smoke and Multiple Outdoor Sources in Residential Indoor Polycyclic Aromatic Hydrocarbon Level
Hyunok Choi, John D. Spengler*
- P-3-11-09 Early life Exposure to Environmental Tobacco Exposure and Atherogenesis
Julia Dratva, Nino Kuenzli, Robert Bettschart, Thierry Rochat, Thomas Rothe, Daiana Stolz, Alexander Turk, Nicole Probst-Hensch, Elisabeth Zemp*
- P-3-11-10 Effect of cigarette smoking on heart rate variability
Dmitri Dimitriev, Elena Saperova, Aleksey Dimitriev*
- P-3-11-11 Effects of household and outdoor air pollution on respiratory health in non-smoking, non-occupationally exposed women in rural Odisha, India.
Asmi Panigrahi, Bijaya Kumar Padhi*
- P-3-11-12 ETS IN HOUSEHOLDS – THE RISK FACTOR FOR PHYSICAL AND MENTAL HEALTH OF CHILDREN
Ludmila Sevcikova, Lubica Argalasova-Sobotova, Jana Babjakova, Jana Jurkovicova, Zuzana Stefanikova, Erika Machacova, Katarina Hirosova, Michael Weitzman*
- P-3-11-13 Evaluation of past smoking of mothers and DNA methylation in cord blood of infants
*Bonnie Joubert, Håberg Siri, Roy Nilsen, Stein Emil Vollset, Øivind Midttun, Per Ueland, Michael Wu, Wenche Nystad, Shyamal Peddada, Stephanie J. London**
- P-3-11-14 Evaluation of Personal Exposure to Environmental Tobacco Smoke in Daily Life -Twenty-four hour measurement and estimation of cigarette equivalent-
Satoshi Nakai, Keiichi Arashidani, Yukio Akiyama, Yoshikazu Ishizu, Takashi Amagai, Hideaki Matsuki, Miyuki Noguchi, Yukio Yanagisawa*
- P-3-11-15 Exposure to Environmental Smoke among Women in Rural Mountain Villages of Pakistan
*Shah Khan, Syed Shah**
- P-3-11-16 Exposure to environmental smoke and cigarette smoking among youth
Laila Bano, Syed Shah*
- P-3-11-17 Histological changes of Mice lungs after daily exposure to different concentration of Incense smoke
Samar Rabah, Sahar El Hadad*
- P-3-11-18 HOW PEOPLE ARE EXPOSED TO SECONDHAND SMOKING IN OUTDOOR SMOKING AREAS OF BARS AND SIDEWALKS IN ATHENS, GEORGIA
Mustafa Babayigit, Olorunfemi Adetona, Luke P Naeher*
- P-3-11-19 Medical students' knowledge concerning the tobacco use effects and related legislation
*Giovanni Battista Modonutti, Maria Fiore, Elena Sentina, Fulvio Costantinides, Luca Leon, Roberto Fallico, Margherita Ferrante**
- P-3-11-20 Prenatal exposure to environmental tobacco smoke and language development in toddlers
Hsing-Wei Lee, Feng-Ming Tsao, Wu-Shiun Hsieh, Pau-Chung Chen*
- P-3-11-21 Prenatal Smoke Exposure, Tyrosine Receptor Kinase Methylation, and Childhood Respiratory Health
Carrie V. Breton, Xinhui Wang, Kim Siegmund, Frank Gilliland*
- P-3-11-22 Reporting bias of smoking habits and home dampness – a result of study design?
Linda Hägerhed Engman, Malin Larsson, Thorbjörn Gustavsson, Laura von Kobyletzki, Yuexia Sun, CarlGustaf Bornehag*
- P-3-11-23 Risk assessment and exposure level analysis to indoor air pollutants of the residents in the smoking and nonsmoking PC rooms
Chi-Hyeon Lee, Byeong-Kyu Lee*
- P-3-11-24 The Association between Passive Smoking and Acute Coronary Heart Diseases among Arab Israeli Women in Northern Israel
Khaled Awawdi, Manfred Green, Yonathan Hasin, Shira Zelber-Sagi*

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- P-3-11-25 The effect of cigarette smoking and DNA methyltransferase genes polymorphisms on urothelial carcinoma risk in Taiwan
Chi-Jung Chung, Chao-Hsiang Chang, Chiu-Shong Liu, Yi-Huei Chang, Mu-Chi Chung*
- P-3-11-26 The Effectiveness of Smokefree Park Program in Da-An District, Taipei
Ruey-Yu Chen, Wen-Ling Chen, Ching-Ying Yeh, Pi-Hui Lee, Chuang-Mei Hsu, Chiu-Mei Wang*
- P-3-11-27 The Influence of Secondhand Smoke (SHS) on Outdoor Air Quality in Leisure and Sport Facilities: Measurements at a Stadium, Car-Free Recreation Zone, City Park,
Giovanni Invernizzi, Ario Alberto Ruprecht, Roberto Boffi, Cinzia De Marco, Roberto Mazza, Maria Jose Lopez, Constantinos Sioutas, Dane Westerdahl, Grisa Mocnik, Esteve Fernandez*
- P-3-11-28 URINARY COTININE LEVELS IN GIRLS AND TIME TO PUBERTY
Gayle Windham, Robert Voss, Mary Wolff, Susan M. Pinney, Susan Teitelbaum, Lawrence H Kushi, Frank M. Biro, Robert Hiatt, Louise Greenspan, Maida Galvez, Connie Sosnoff*

12 CLIMATE CHANGE

- P-3-12-01 Ambient temperature and biomarkers of cardiovascular events
Morteza Khafaie, Behzad Khafaie, Chittaranjan S. Yajnik*
- P-3-12-02 Ambient temperature and notified Campylobacter in Israel; a time series analysis
Chava Peretz, Alina Rosenberg, Miriam Weinberger, Shlomit Paz, Larisa Lerner, Lea Valinsky, Israel Nissan, Verad Agmon*
- P-3-12-03 An Exploratory Study of Social Safety Nets (SSN) in Battagram District of Khyber Pakhtunkhwa Province: Implications for Food Security of Small Farmers
*Waqar_ul_hassan Tareen**
- P-3-12-04 Analysis of Factors Influencing the Mortality of Local Governments by Meteorological Disasters
Hyung-Nam Myung, Kyung Eun Lee, Wonwoong Na, Jae-Yeon Jang*
- P-3-12-05 Assessment of Household Emissions due to Cookstoves in Southern Nepal
Sutyajeet Soneja, Patrick Breysse, James Tielsch*
- P-3-12-06 Changing Climate in Rural Canada: Linking Scientific Evidence and Population Perspectives
Atanu Sarkar, Joel Finnis*
- P-3-12-07 Climate and land use drivers of the spatial and temporal distribution of malaria risk in the Peruvian Amazon
Beth Feingold, Benjamin Zaitchik, Alex Sandoval, Carlos Alvarez Antonio, Rosa Patricia Zegarra Vasquez, William Kuang-Yao Pan*
- P-3-12-08 Climate change threats to the blood supply
Jan Semenza, Dragoslav Domanovic*
- P-3-12-09 Effect of Roof Reflectivity and Roof Greening on Improving Indoor Thermal Comfort of Classroom in Hot-and-Humid Climate
Kuo-Tsang Huang, Reuy-Lung Hwang, Tzu-Ping Lin*
- P-3-12-10 Effects of macro climate change on dengue fever incidence in Taiwan
Tzu-Chieh Chou, Wu Shu-Huan, Wu Fang-Yang, Sung Fung-Chang*
- P-3-12-11 EMPLOYING HEAT VULNERABILITY MAPPING TO INFORM WEATHERIZATION PROGRAMS IN 3 US CITIES
Kathryn Conlon, Evan Mallen, Nicholas Rajkovich, Larissa Larsen, Marie S. O'Neill*
- P-3-12-12 Extreme temperatures and pediatric emergency department admissions in Brisbane, Australia
Zhiwei Xu, Wenbiao Hu, Hong Su, Lyle Turner, Jiajia Wang, Shilu Tong*
- P-3-12-13 Global climate change and waterborne diseases in Mongolia
Clara Tammy Kim, Ho Kim, Hae-Kwan Cheong, Masahiro Hashizume, Yasushi Honda, Jinseob Kim, Yoonhee Kim, Jin-Hee Eum, Chisato Imai, Burmaaajav Badrah*
- P-3-12-15 Impact of climate variability on the low birth weight in Papua New Guinea
Jin-Hee Eum, Hae-Kwan Cheong, Mina Ha, Ho Kim, Yasushi Honda, Masahiro Hashizume, Jinseob Kim, Clara Tammy Kim, Yoonhee Kim, Kasis Inape, Chisato Imai*

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- P-3-12-16 Impact of extreme temperatures on mortality in nine French cities: evolution between 2001 and 2009
Mathilde Pascal, V  r  ne Wagner, Magali Corso, Karine Laaidi, Aymeric Bun Ung, Christophe Declercq*
- P-3-12-17 Impact of heat waves on excess mortality in 2011 and 2012 in Hungary
Anna P  ldy, J  nos Bobvos*
- P-3-12-18 Increased Frequency of Unusually Hot Days and Foodborne Illness in Maryland
Amy Sapkota, Chengsheng Jiang, David Blythe, Amir Sapkota*
- P-3-12-19 Mapping environmental heat stress variables in relation to climate change: examples from India
Rebekah Lucas, Tord Kjellstrom, Vidhya Venugopal, Olivia Hyatt, Bruno Lemke*
- P-3-12-20 MED-MI: Linking Human Health and Wellbeing with Weather, Climate, and the Environment
Lora E. Fleming, Brian Golding, Anthony Kessel, Andy Haines, Michael H. Depledge, Dan Bloomfield, Anna Cichowska, Shakoor Hajat, Christophe Sarran, Nicholas Osborne, Clive Sabel*
- P-3-12-21 Precipitation Impacts on Dengue Fever Incidence: Case Study in Indonesia and Taiwan
Dinar Yarani, Mu-Jean Chen, Huey-Jen Su, Titik Respati, Asep Sofyan*
- P-3-12-22 Respiratory mortality related to temperature and air pollution in Mexico City during 1998- 2009
Jaime Iv  n Guti  rrez-Avila, Magali Hurtado-D  az, Stephen Rothenberg, Jos   Luis Texcalac Sangrador, Horacio Riojas Rodr  guez*
- P-3-12-23 Searching the best expression variable of temperature effect on health in three European cities.
Sophia Rodopoulou, Evangelia Samoli, Antonis Analitis, Richard Atkinson, Francesca de Donato, Klea Katsouyanni*
- P-3-12-24 Short term effects of temperature on emergency admission of myocardial infarction in Korea with the thresholds of hot and cold temperatures
Eunil Lee, Suji Lee, Bo Yeon Kwon, Deaho Jung, Kyunghee Jo, Man sik Park, Hana Kim*
- P-3-12-25 Spatial associations between thermal stress and mortality in Hong Kong
Thuan Quoc Thach, Poh-Chin Lai, Patsy YK Chau, Qishi Zheng, Crystal CY Choi, Heiko Jahn, Dietrich Pla  , Alexander Kr  mer, Lutz Katzschner, Chit-Ming Wong*
- P-3-12-26 Temperature and neonatal mortality in California, 1999-2007
Rupa Basu, Lillian Sie*
- P-3-12-27 Temperature effects on Emergency Room Visits for Metabolic Syndrome-Related Diseases, Cardiopulmonary Diseases and Accidents in Taipei Metropolitan
Yu-Chun Wang, Yu-Kai Lin, Fung-Chang Sung*
- P-3-12-28 The effects of imported cases, climatic variability and vector population on dengue fever in Guangzhou City, China
Dan Zhao, Zhongjie Li, Yonghui Zhang, Wenwu Yin, Tie Song, Jianfeng He, Shengjie Lai, Archie Clements, Wenbiao Hu, Weizhong Yang*
- P-3-12-29 The effects of temperature on heat-related illness according to characteristic of patients during the summer of 2012 in Republic of Korea
Wonwoong Na, Jae-Yeon Jang, Kyung Eun Lee, Hyunyong Kim, Byungyool Jun, Jun-wook Kwon, Soo-nam Jo*
- P-3-12-30 The public health consequences of climate change in Kazakhstan: an epidemiological assessment
Bettina Menne, Aliya Kosbayeva, Andri Gribovski, Melitta Vujnovic*
- P-3-12-31 The relationship of climate change, pollen count and occurrence of rhinitis
Hwanjin Park, Jaechul Song, Jaeyoung Kim, Inah Kim, Clara Tammy Kim*
- P-3-12-32 The relationship of pollen count and occurrence of asthma
Inah Kim, Hwanjin Park, Jaechul Song, Jaeyoung Kim, Clara Tammy Kim*
- P-3-12-33 USING TIME SERIES OF ANNUAL DEATH COUNTS TO OBTAIN HARVESTING-RESISTENT ESTIMATES OF TEMPERATURE-MORTALITY ASSOCIATIONS
Nirandeep Rehill, Ben Armstrong*
- P-3-12-34 Vulnerability assessment due to high temperature in Seoul, South Korea
Haeyoung Pak, Jongsik Ha, YongSeong Shin*

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15	FOOD
P-3-15-01	A pilot study for exposure evaluation to mycotoxins in blood and urine. <i>Gea Oliveri Conti*, Caterina Ledda, Maria Grazia D'Agati, Adriana Floridia, Roberto Fallico, Maria Rosaria Gallea, Salvatore Sciacca, Ferrante Margherita</i>
P-3-15-02	Adult's exposure to bisphenol A by biomonitoring <i>Maria Fiore, Gea Oliveri Conti, Caterina Ledda*, Placido D'Agati, Adriana Floridia, Antonio Maieli Diaz, Giuseppe Covato, Roberto Fallico, Margherita Ferrante</i>
P-3-15-03	Aflatoxin serum levels and risk of hepatocellular carcinoma in a nested case-control study in the United States <i>Stephen Van Den Eeden*, Yun Yun Gong, Charles Quesenberry, Jun Shan, Christopher Wild, Lawrence Engel</i>
P-3-15-04	Assessment of nutritional status in a pregnant women cohort examining health effects of air pollution: Preliminary results from the SICAPHE study <i>Rajarajeswari Kuppuswamy*, Sumathi Swaminathan, Padmavathi Ramaswamy, Thangavel Gurusamy, Vidhya Venugopal, Kalpana Balakrishnan, Kaleeswari Gunasekaran</i>
P-3-15-05	Association Between Alcohol Exposure During Pregnancy and Breastfeeding With Early Childhood Respiratory Health <i>Maria Christine Magnus*, Wenche Nystad, Per Nafstad, Lisa DeRoo, Per Magnus, Siri Eldevik Håberg, Stephanie J. London</i>
P-3-15-06	Bayesian regression of shelling stock pistachio prevalence in link with aflatoxin contamination and climate <i>Nathalie Wesolek*, Alain-Claude Roudot</i>
P-3-15-07	Comparison of Single-Day BPA Exposure Estimates to Those Determined by Multiple, Consecutive Daily Sampling in a Prospective Cohort <i>Christina Porucznik*, Eric Brozek, Kyle Joell Cox, Lindsey Canfield Schmidt, Joseph Stanford, Diana Wilkins, James VanDerslice</i>
P-3-15-08	Consumption of vegetables and risk perception at contaminated glass works sites in Sweden <i>Monika Filipsson*, Anna Augustsson, Sofia Nyholm</i>
P-3-15-09	Cumulative risk assessment for plasticizer-contaminated food using the hazard index approach <i>Jung-Wei Chang*, Chung-Yu Chen, Bo-Ruei Yan, Mei-Hua Chang, Su-Hsiang Tseng, Ching-Chang Lee</i>
P-3-15-10	Detection of antibiotics in feed and farmed fish <i>Gea Oliveri Conti*, Chiara Copat, Cristina Mauceri, Maria Fiore, Alfina Grasso, Maria Grazia D'Agati, Roberto Fallico, Margherita Ferrante</i>
P-3-15-11	Dietary intake of dioxins and polychlorinated biphenyls and birth outcomes in the Norwegian Mother and Child Cohort Study (MoBa) <i>Eleni Papadopoulou*, Ida Henriette Caspersen, Helen Engelstad Kvaem, Helle K Knutsen, Talita Duarte Salles, Jan Alexander, Helle Margrete Meltzer, Manolis Kogevinas, Anne Lise Brantsæter, Margaretha Haugen</i>
P-3-15-12	Effect of Calcium Supplementation on School Children's Blood Lead Levels in Indonesia <i>Budi Haryanto*</i>
P-3-15-13	Exposure assessment and the associated adverse health effects of possibly highly exposed Taiwanese children to phthalates through dietary intakes <i>Chu-Chih Chen*, Yin-Han Wang, Chao Hsiung</i>
P-3-15-14	Fortifying children's diets with fish oils: Are health benefits off-set by contamination? <i>Jeffrey Ashley*, Jaleesia Amos, Derek Desanto, Colin Fennelly, Anthony Rodriguez, Allison Zappulla, Jacob Shusterman, Paul Kiry</i>
P-3-15-15	Intake of polyunsaturated fatty acids and antinuclear antibodies in the general US population <i>Emily Somers*, Martha Ganser, Wendy Marder, Lu Wang, Sung Kyun Park, Jeffrey Warren, Niladri Basu, Suzanna Zick</i>
P-3-15-16	Mercury, omega-3 fatty acids, thyroid hormones, and thyroid antibodies in an adult cohort of avid seafood consumers <i>Jaymie Meliker*, Roxanne Karimi, Susan Silbernagel, Keith Levine</i>

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- P-3-15-17 Novel Databases and Models for Aggregate Exposure Assessment to Fragrance Materials (Oral Presentation)
Cian O' Mahony, E.J. Daly*
- P-3-15-18 NUTRITIONAL DEFICIENCIES IN THE PEDIATRIC AGE GROUP IN A MULTI-CULTURAL DEVELOPED COUNTRY- ISRAEL
Motti Haimi, Aaron Lerner*
- P-3-15-19 Residential proximity to high-density livestock farms or manure-applied croplands and risk of tetracycline-resistant *S. aureus* infection, Pennsylvania, USA
Joan Casey, Brian Schwartz, Frank Curriero*
- P-3-15-20 Responsibilities of Epidemiologists in the Conduct and Dissemination of Research in the Public Interest
*Colin Soskolne**
- P-3-15-21 SERO-Prevalence of Toxoplasma gondii Antibodies in Pigs at Slaughter in Kafanchan and Kaduna Towns, Kaduna State, Nigeria
Osaretin Alexander Giegbefumwen, Ikwe Ajogi, Emmanuel Okolocha*
- P-3-15-22 The association between the retail food environment, economic deprivation, fast food intake and obesity: Findings from the Survey of the Health of Wisconsin
Michael Laxy, Kristen C. Malecki, Marjory L. Givens, F. Javier Nieto*
- P-3-15-23 Urinary Bisphenol A Concentrations Measured on Multiple Consecutive Days in a Prospective, Preconception Cohort
Christina Porucznik, Kyle Joell Cox, Lindsey Canfield Schmidt, James VanDerslice, Joseph Stanford, Diana Wilkins, Eric Brozek*
- P-3-15-24 Urinary bisphenol A levels and increasing body mass: results of a cross-sectional study
Maria Fiore, Gea Oliveri Conti, Caterina Ledda, Giorgio Gerratana, Cristina Mauceri, Antonio Maieli Diaz, Roberto Fallico, Giovanni Battista Modonutti, Margherita Ferrante*

16 OCCUPATIONAL

- P-3-16-01 A METHODOLOGY TO ESTIMATE CURRENT AND HISTORICAL EXPOSURES TO ASBESTOS FIBERS AMONG BRAKE MECHANICS USING SECONDARY INFORMATION
Maria F. Cely-Garcia, Juan P. Ramos-Bonilla, Camilo Herran, Angela Nieto, Nathalia Rincon, Juan D. Roldan, Jonathan Romero, Ficelle Takehara, Marcela Zambrano, Olga L. Sarmiento*
- P-3-16-02 Airborne Particles In Industrial Facilities in Ontario
Zhe Li, Fue-sang Lien (Dr. Professor), Zhongchao Tan*
- P-3-16-03 AN ASSESSMENT OF A COMBINED IMPACT OF OCCUPATIONAL NOISE AND ALCOHOL CONSUMPTION ON THE DEVELOPMENT OF HYPERTENSION IN EMPLOYEES OF OIL-PRODUCING COMPANIES
Pavel Shur, Nina Zaitseva, Natalia Lebedeva-Neseyrya, Dmitriy Shlyapnikov*
- P-3-16-04 Appropriate Use of "Occupational" Exposure Levels vs. "Risk-Based" Levels in Assessing Vapor Intrusion Exposures in Occupational Settings
Holton Michael, Kevin Long, Robert Adams, Steve Song*
- P-3-16-05 Assessment of occupational symptoms and exposure to chemicals in nail salon technicians in Korea
Sangjun Choi, Sung-ea Park, Sugyeong Gwak*
- P-3-16-06 Birth weight among the offspring of Hair and Nail Care Workers
Thu Quach, Julie Von Behren, Debbie Goldberg, Michael Layefsky, Peggy Reynolds*
- P-3-16-07 Cancer incidence among former shipbreaking workers potentially exposed to asbestos – a 23-year follow-up study
Yu-Jen Lin, Wei-Te Wu, Chung-Yi Li, Chun-Yuh Yang, Saou-Hsing Liou, Trong-Neng Wu*
- P-3-16-08 Cancer incidence among 41 000 Norwegian offshore oil industry workers
*Jo S Stenehjem, Kristina Kjaerheim, Kjersti S Rabanal, Tom K Grimsrud**
- P-3-16-09 Comparison of impulse oscillometry and pulmonary function testing following acute, severe chlorine gas exposure in millworkers seven years after the event
Kathleen Clark, Pallavi Balte, Lawrence Mohr, Wilfried Karmaus, Bo Cai, Dennis Ownby, Daniel Salerno, John Vena, Erik Svendsen*
- P-3-16-10 COMPARISON OF PERSONAL EXPOSURES TO ASBESTOS FIBERS BETWEEN BRAKE AND TRANSMISSION MECHANICS DURING THE MANIPULATION PROCESSES OF ASBESTOS CONTAINING PRODUCTS
Juan P. Ramos-Bonilla, Maria F. Cely-Garcia, Natalia Salazar*

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- P-3-16-11 Comparison of Requirements on Different Regulations for Fresh Air Volume and Analysis of Impact on Indoor CO₂ Concentration Distribution
Yu-Lieh Wu, Ruei-Yan Lin, Hao Cheng*
- P-3-16-12 Contribution to the analysis of environmental conditions, health and labor in public works in a metropolis of western Mexico
María Guadalupe Gurrola, Martha Georgina Orozco Medina, Mario Alfonso Murillo Tovar*
- P-3-16-13 Environmental-Wide Association Study of Job Families Related to Musculoskeletal Disorders
Hien Le, Kim Kreckmann, Sarah Starks, J. Morel Symons*
- P-3-16-14 Evaluation of two sampling methods for the determination of gas oil mist and vapour in workplace air
Jan Urbanas, Edith Berger-Preiss, Wolfgang Koch, Sven Schuchardt*
- P-3-16-15 Exposure Assessment and Sources Estimation of Residents of Asbestos Abandoned Mining
Hogi Ahn, Sunshin Kim, Gayeon Hong, Seokyong Lee, Wonho Yang*
- P-3-16-16 Exposure Assessment for Workers at Antimony Industry in Taiwan and the Association with Immunologic Function
Fung-Chang Sung, Chin-Ching Wu, Ya-Ting Chan*
- P-3-16-17 FACTORS OF WORK ENVIRONMENT AND HEALTH STATUS OF WORKERS IN CONDITION OF PLASTIC INDUSTRY OF SLOVAK REPUBLIC
Branislav Kolena, Tomáš Pilka, Zuzana Pucherová, Viera Vanková, Peter Petluš, Zdenka Rózová, Zita Jenisová, Ida Petrovicova*
- P-3-16-18 Field Measurement Investigation of Improving Indoor Air Quality by Total Heat Exchanger in an Office Building
Fu-Jen Wang, Meng-Chieh Lee, Rong-Chin Jung, Yong-Sheng Chen, You-De Ke*
- P-3-16-19 Implications of home based working on Micro-environment and health: case study
*Aligarh Mayank Mathur**
- P-3-16-20 Indoor Air Quality Assessment of Coffee shop
*Ching-An Feng**
- P-3-16-21 Leveraging multi-band fluorescence monitoring calibrated to track bioaerosols in sensitive indoor environments
*Alina Handorean, Greg Kok, Darrel Baumgardner, Gary Granger, Brent Stephens, Mark Hernandez**
- P-3-16-22 Managing the Risk of Occupational Allergy in the Enzyme Detergent Industry
David Basketter, Francis Kruszewski, Sophie Mathieu, Donald Bruce Kirchner, Anthony Panepinto, Mark Fieldsend, Volker Siegert, Fiona Barnes, Robert Bookstaff, Hans Erik Schiff, Beth Concoby*
- P-3-16-23 Micro-dusty Measurement and Analysis of the Surgery Light Disease Burn Injuries Medical Ward Environment Renovation
Chih-Neng Hsu, Hong-Yue Chen, Ming-Te Chao*
- P-3-16-24 Mortality in the agricultural sector in Greece: evidence from life tables and working life expectancies.
Christos Nikolaidis, Aikaterini Chatzaki, Athanasios Tselemponis, Theodore Constantinidis*
- P-3-16-25 Neurologic and reproductive effects of solvents on automotive repair workers: Assessment of Exposure for the Bay Area Solvent Study (BASS)
Katharine Hammond, Sa Liu, Sophia Horiuchi, Brooke Donovan*
- P-3-16-26 Operational considerations for field data collection of water and dust samples in the home
Elizabeth Boyle, Pabitra Josse, Maire S.A. Heikkinen, Susan Marie Viet, Michael Dellarco*
- P-3-16-27 Particle size distributions, metals exposure concentrations and removal of welding fume in workplace of fitness equipments manufacturing industry
*Hsiu-Ling Chen**
- P-3-16-28 PERSONAL EXPOSURE TO ASBESTOS FIBERS AMONG TRANSMISSION MECHANICS IN REPAIR SHOPS IN BOGOTA, COLOMBIA
Natalia Salazar, Juan P. Ramos-Bonilla, María F. Cely-García*

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- P-3-16-29 Relationship of the risk factors for indoor air quality, work environment, and occupational stress with the symptoms of employees working in office buildings
Kenichi Azuma, Koichi Ikeda, Naoki Kagi, U Yanagi, Tomoko Shimodaira, Haruki Osawa*
- P-3-16-30 RESPIRATORY STATUS OF WORKERS FROM THE EMISSION OF PREHARVESTING OF SUGARCANE BURNING at METHARA SUGAR FACTORY.
*Derese Belay**
- P-3-16-31 The attributable costs of US occupational lead exposure
Ronnie Levin, Joel D. Schwartz*
- P-3-16-32 The dose response effect of duty loading stress, caused by increased sympathetic tone, on blood pressure of physicians of internal medicine
Hsiu Hao Lee, Chuen-Den Tseng, Pau-Chung Chen, Yue-Liang Guo*

18 METALS

- P-3-18-01 A Case Control Study on Blood Lead, Urinary Cotinine and Attention Deficit Hyperactivity Disorder in Children
Hyunjoo Joo, Myungho Lim, Ki-Chung Paik, Sungja Cho, Hojang Kwon, Seung Jin Yoo, Kyung-Hwa Choi, Mina Ha*
- P-3-18-02 A Prenatal Blood Manganese Exposure Level
Soo Eun Chung, Hae-Kwan Cheong, Eun-Hee Ha, Boong-Nyun Kim, Mina Ha, Yangho Kim, Yun Chul Hong, HyeSook Park*
- P-3-18-03 A SLIC response to lead and health
Ruth Ruggles, Catherine Keshishian, Raquel Duarte-Davidson, Rebecca Close, Eirian Thomas, Sally Bradberry, Emer O'Connell, Rachel Knowles, Virginia Murray, Giovanni Leonardi*
- P-3-18-04 Associations of Prenatal Lead and Mercury Coexposure with Neurodevelopment
Meiqin Wu, Chonghuai Yan, Deqing Wu, Wei Wu, Hui Li*
- P-3-18-05 Blood Cadmium is Elevated in Iron Deficient U.S. Children
Monica K. Silver, John D. Meeker*
- P-3-18-06 Effect Modification by MTHFR Polymorphisms of the Association between Cumulative Lead Exposure and Mini Mental Status Exam Score in Older Men
Zishaan Farooqui, Kelly Bakulski, Patricia A. Cassano, Avron Spiro III, David Sparrow, Pantel S. Vokonas, Linda Huiling Nie, Marc G Weisskopf, Howard Hu, Sung Kyun Park*
- P-3-18-07 Elevated blood-lead levels and air-lead levels among radiator repairer in Khon Kaen, Northeastern Thailand
Lertchai Charemtanyarak, Somkid Prabpai*
- P-3-18-08 Environmental Cadmium Exposure, Dietary Calcium Intake and Risk of Hypertension
Yoon-Hyeong Choi, Jin Hee Kim, Se-Young Oh, Yun Chul Hong*
- P-3-18-09 Exposure to mercury at 4 years of life and associated factors in the INMA cohort in Valencia (Spain)
Ferran Ballester, Sabrina Llop, Mario Murcia, Xabier Aguinagalde, Maria-Jose Lopez-Espinosa, Eva Navarrete-Muñoz, Ana Esplugues, Daniel Giménez, Marisa Estarlich, Carmen Iñiguez, Marisa Rebagliato*
- P-3-18-10 Heavy Metals and the 10-year risk of coronary heart disease in the adults: the 2008 – 2010 Korea National Health and Nutrition Examination Survey
Taehun Kim, Eun-Hee Lee, Young Lim Kho, Sangshin Park*
- P-3-18-11 Increased Prenatal Lead Exposure is Associated with Disruption of Infant Daytime Cortisol Production in a Prospective Birth Cohort Study
Marcela Tamayo y Ortiz, Rosalind Wright, Martha Maria Tellez-Rojo Solis, Brent A. Coull, Robert O. Wright*
- P-3-18-12 Methylmercury Exposure and Acoustic Startle Response in Adolescents: An Exploratory Study
Rebecca Tutino, Rachel Grashow, Niladri Basu, Lourdes Schnaas, Karen E. Peterson, Mauricio HernándezAvila, Martha Maria Tellez-Rojo Solis, Howard Hu, Marc G Weisskopf*
- P-3-18-13 Mitochondrial Haplogroup Clusters Modify the Effects of Black Carbon Exposure on Age Related Cognitive Impairment.
Elena Colicino, Melinda Power, David Cox, Marc G Weisskopf, Stacey Alexeeff, Pantel S. Vokonas, Avron Spiro III, Joel D. Schwartz, Andrea A Baccarelli*

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- P-3-18-14 Population-based metals concentrations in tap water consumed by young children in France.
*Barbara Le Bot, Jean-Paul Lucas, Francoise Lacroix, Philippe Glorennec**
- P-3-18-15 Prenatal exposure to lead and manganese on temperament performance in early childhood
Fang-Ying Shen, Hua-Fang Liao, Wu-Shiun Hsieh, Pau-Chung Chen*
- P-3-18-16 Racial disparities in the potential for exposure to arsenic and lead in soils for a Medicaid population of mothers in South Carolina, USA
Harley Davis, C. Marjorie Aelion, Suzanne McDermott*
- P-3-18-17 THE CONTRIBUTION OF RESIDENTIAL EXPOSURES TO CHILDREN'S BLOOD LEAD LEVELS IN FRANCE: RESULTS FOR DIFFERENT BLOOD LEAD LEVELS
Anne Etchevers, Alain Le Tertre, Philippe Glorennec*
- P-3-18-18 The Impact of Lead-acid Battery Manufacturers on the Environment and Human Lead Burden
Jinliang Zhang, Libo Pan, Bing Wang, Ling Liu*
- P-3-18-19 Urinary cadmium and the timing of pubertal development in girls
Rudolph P. Rull, Alison J Canchola, Peggy Reynolds, Pamela L Horn-Ross*
- P-3-18-20 Use of dust fall filters as passive samplers for metal concentrations in air
Paloma Beamer, Anastasia Sugeng, David Layton, Miranda Loh*

21 ELECTROMAGNETIC FIELDS

- P-3-21-01 ATMOSPHERIC, COSMIC, SOLAR VARIATIONS AND HOSPITALIZATION FOR CARDIOVASCULAR DISEASES
Ieva Malinauskaitė, Rimvydas Slapikas, Jone Vencloviene*
- P-3-21-02 Brain Cancer Incidence and Mortality: Differences in Geographic Region and Human Development Index
Gina Torres Monteiro, Adalberto Luiz Miranda-Filho*
- P-3-21-03 Factors associated with health risk perception for electromagnetic fields in Taiwan
Tsun-Jen Cheng, Yi-Ping Lin, Mei-Chih Tseng*
- P-3-21-04 How do Swiss adolescents use their mobile phones?
Anna Schöni, Katharina Roser, Martin Rössli*
- P-3-21-05 Interactions between occupational exposure to extremely low frequency magnetic fields and chemicals for brain tumor risk in the INTEROCC study
Michelle Turner, Elisabeth Cardis, and the INTEROCC Study Group*
- P-3-21-06 Low birth weight and exposure to magnetic fields in São Paulo/Brazil.
Mateus Habermann, Nelson Gouveia*
- P-3-21-07 MOBI-Kids: assessing childhood and adolescent exposure to communication technologies and risk of brain tumours
Chelsea Eastman, Elisabeth Cardis, Siegal Sadetzki, Roel Vermeulen, Myron Maslanyj, Katja Radon*
- P-3-21-08 Non-specific physical symptoms and electromagnetic field exposure in the general population: An epidemiological study based on self-reported and medical data
Christos Baliatsas, Irene Van Kamp, John Bolte, Gert Kelfkens, Joris Yzermans, Erik Lebreit*
- P-3-21-09 Occupational exposure to extremely low frequency magnetic fields and brain tumors in the INTEROCC study
Michelle Turner, Geza Benke, Joe Bowman, Jordi Figuerola, Elisabeth Cardis, and the INTEROCC Study Group*
- P-3-21-10 Occupational exposure to magnetic fields and electric shocks and risk of ALS – analysis of the Swiss National Cohort
Anke Huss, Adrian Spoerri, Matthias Egger, Hans Kromhout, Roel Vermeulen*
- P-3-21-11 Occupational Magnetic Field Exposure and Male Breast Cancer Among Canadian Men
Anne Grundy, Shelley A Harris, Paul A Demers, Kenneth C Johnson, David A Agnew, Paul J Villeneuve*
- P-3-21-12 Radio frequency electric fields emission level in infant nursery facilities
Seung-Cheol Hong, Kim Ki-Young, Lee Yoon-Jin, Jeong Yeon-Jun*
- P-3-21-13 Sequential measurement method to construct RF-EMF exposure maps
Sam Aerts, Dirk Deschrijver, Luc Martens, Tom Dhaene, Wout Joseph*

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- P-3-21-14 The effect of solar-geomagnetic activity during and after hospital admission on coronary events within one year in patients with acute coronary syndromes
Jone Vencloviene, Ruta Babarskiene, Irena Milvidaite, Raimondas Kubilius, Jolanta Stasionyte*
- P-3-21-15 The Impact of Input Data Accuracy on the Validity of Modelled Electromagnetic Fields from Mobile Phone Base Stations
Johan Beekhuizen, Hans Kromhout, Alfred Bürgi, Anke Huss, Roel Vermeulen*

23 BIOCIDES

- P-3-23-01 ADD/ADHD induced by organophosphorous pesticide drift – A study on more than two generations of exposure
*Amit Ophir, Isabella Karakis, Elihu D. Richter, Uri Wormser, Michael Aschner, Elyakim Doitsch, Yoram Finkelstein**
- P-3-23-02 Assessment of Genotoxicity Effects of Pesticide Exposure on Paddy Workers and Residential Children, Kuala Selangor, Malaysia
Vivien How, Zailina Hashim, Patimah Ismail, Dzolkhifli Omar*
- P-3-23-03 ASSOCIATION BETWEEN A RETROSPECTIVE GIS-BASED INDICATOR OF ENVIRONMENTAL PESTICIDE EXPOSURE AND NEURODEVELOPMENT IN CHILDREN
Marina Lacasaña, Rodriguez-Barranco Miguel, Beatriz Gonzalez Alzaga, Clemente Aguilar-Garduño, Antonio F. Hernandez, Tesifon Parron*
- P-3-23-04 ASSOCIATION BETWEEN SEX HORMONES AND UPTAKE OF DDT AND METABOLITES IN YOUNG MALES
Riana Bornman, Rhena Delport, Paulina Farias, Nathalie Aneck-Hahn, Christiaan de Jager*
- P-3-23-05 Associations of organic produce consumption with socioeconomic status and the local food environment: Multi-Ethnic Study of Atherosclerosis (MESA)
Cynn timer Curl, Shirley Beresford, Anjum Hajat, Joel Kaufman, Kari Moore, Jennifer Nettleton, Ana V. Diez-Roux*
- P-3-23-06 Challenges following successful IRS: what female caregivers told us
Riana Bornman, Henrik Kylin, Henk Bouwman*
- P-3-23-07 Determinants of plasma DDT and DDE concentrations among South African Women exposed to indoor residual spraying for malaria control
Kristina Whitworth, Riana Bornman, Gregory Travlos, Ralph Wilson, Matthew Longnecker*
- P-3-23-08 Experimental refinement of dermal exposure for human health risk assessment of CHLOROTOLURON
*Katarina Banyiova, Pavel Cupr**
- P-3-23-09 Expert elicitation applied for reconstructing historical pesticide usage patterns
Maartje Brouwer, Anke Huss, Roel Vermeulen, Peter Nijssen, Geert De Snoo, Hans Kromhout*
- P-3-23-10 Exposure to the insect repellent N,N-Diethyl-m-Toluamide (DEET) in the United States
Antonia M. Calafat, Samuel Baker, Amanda Bishop, Pilar Morales-A*
- P-3-23-11 GIS-based approaches to assess environmental exposure to agricultural pesticides in health: Review of the literature
Jeffrey Blain, Virginie Chasles, John R. Nuckols, Alice Denoyel, Béatrice Fervers*
- P-3-23-12 Household and occupational exposure to pesticides and risk of breast cancer
*Sonia El-Zaemey, Jane Heyworth, Lin Frtischl**
- P-3-23-13 Household Organophosphorus Pesticide Use and Parkinson's Disease
*Shilpa Narayan, Zeyan Liew, Kimberly Paul, Pei-Chen Lee, Janet S. Sinsheimer, Jeff M. Bronstein, Beate Ritz**
- P-3-23-14 Indoor biocide concentrations after application of biocidal aerosol sprays
Edith Berger-Preiss, Susanne Gerling, Heiko Kock, Wolfgang Koch*
- P-3-23-15 Integrated Pest Management and children's exposures to pyrethroids in low-income public housing dwellings in Boston, MA
Kathleen Attfield, Gary Adamkiewicz, Michael Hughes, John D. Spengler, Lin Tao, Michaela Kapp, Chensheng Lu*
- P-3-23-16 Lessons in cancer burden assessment related to disinfection by-products
James Grellier, Lesley Rushton, David J. Briggs, Mark J Nieuwenhuijsen*

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- P-3-23-17 LEUKEMIA MORTALITY AMONG AGRICULTURAL WORKERS, RIO DE JANEIRO, BRAZIL: AN ECOLOGICAL POPULATION-BASED CASE-CONTROL STUDY, 2006 – 2010
Adalberto Luiz Miranda-Filho, Sergio Kolffman, Gina Torres Monteiro*
- P-3-23-18 Perceptions of young people florists pesticide use. A gender approach
Miguel Ángel Karam-Calderón, Lilia Patricia Bustamante-Montes*
- P-3-23-19 Prenatal exposure to organophosphate insecticides and cognitive function of 6 years old children in the mother-child PELAGIE cohort (France)
Chloé Cartier, Charline Warembourg, Christine Monfort, Florence Rouget, Gaïd Le Maner-Idrissi, Gaël Durand, Dave Saint-Amour, Sylvaine Cordier, Cécile Chevrier*
- P-3-23-20 Probabilistic Aggregate Exposure Modelling for a Broad Spectrum Antimicrobial in Personal Cleansing Products
Sarah Tozer, J F Nash, E.J. Daly*
- P-3-23-21 Pyrethroids and their environmentally-degraded metabolites in duplicate diet samples from the Ex-R study
Marsha Morgan, Denise MacMillan, Dan Zehr, Lillian Alston*
- P-3-23-22 Quantification of health impacts from food crop consumption in Europe
*Peter Fantke, Olivier Jolliet**
- P-3-23-23 Quantitation of neonicotinoid metabolites in human urine using gas chromatography-mass spectrometry
Hiroshi Nomura, Jun Ueyama, Takaaki Kondo, Isao Saito, Katsuyuki Murata, Toyoto Iwata, Shinya Wakusawa, Michihiro Kamijima*
- P-3-23-24 Slow release pyrethroid-impregnated indoor linings as a new malaria vector control method
Taneshka Kruger, Christiaan de Jager, Walter Focke, Mthokozisi Sibanda, Riana Bornman*
- P-3-23-25 Urinary 3, 5, 6-trichloro-2-pyridinol in pregnant women from Mexico City: distribution, temporal variability, and relationship with child attention/hyperactivity
Gamola Fortenberry, John D. Meeker, Brisa N. Sánchez, Dana Boyd Barr, David C. Bellinger, Lourdes Schnaas, Maritsa Solano-González, Adrienne Ettinger, Mauricio Hernández-Avila, Howard Hu, Martha Maria Tellez-Rojo Solis*

24 ORGANIC POLLUTANTS AND ENDOCRINE DISRUPTORS: HEALTH EFFECTS

- P-3-24-01 A pharmacokinetic model to predict urinary concentrations of DINCH metabolites
Matthew Lorber, Andre Schutze, K. Gawrych, Holger M. Koch, Thomas Brüning*
- P-3-24-02 An analysis study of the exposure factors from an environmental hazardous material (1-hydroxyperene)
Hyo-Mi Kim, Kyong-Whan Moon, Seong-Do Yu, Jong-Tae Lee*
- P-3-24-03 Association between cumulative PFOA exposure and coronary artery disease, hypertension and high cholesterol in community and worker cohorts
Andrea Winquist, Kyle Steenland*
- P-3-24-04 Association between several persistent organic pollutants and thyroid hormone levels in serum among the pregnant women of Korea
Kyungho Choi, Sunmi Kim, Jeongim Park, Hae-Joong Kim, Jeongjae Lee, Gyuyeon Choi, Sooran Choi, Sungjoo Kim, Suyoung Kim, Hyo-Bang Moon, Sungkyoon Kim*
- P-3-24-05 Associations between persistent organic pollutants and blood pressure in a native population of Quebec (Canada)
Beatriz Valera, Pierre Ayotte, Paul Poirier, Eric Dewailly*
- P-3-24-06 Associations between prenatal exposure to polybrominated flame retardants and infant birth outcomes
Megan Horton, Xinhua Liu, Richard Jones, Andreas Sjodin, Robin Whyatt, Ronald Wapner, Pam FactorLitvak**
- P-3-24-07 Dechlorane Plus in Surface Soil of North China
Jin Ma, Xinghua Qiu*
- P-3-24-08 Gestational DDT and DDE concentrations and cognitive outcomes at age 5 in the Child Health and Development Study
Janie Shelton, Todd A. Jusko, Irva Hertz-Picciotto*
- P-3-24-09 Historical Change in Product Emissions and Indoor VOCs
*Marilyn Black**

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- P-3-24-10 Levels of hydroxylated polychlorinated biphenyls (OH-PCBs) and thyroid function in pregnant women
Erica Lee, Katrina Kezios, Xinhua Liu, June-Soo Park, Darcy Tarrant, Yunzhu Wang, Myrto Petreas, Piera Cirillio, Barbara Cohn, Pam Factor-Litvak*
- P-3-24-11 Levels of leptin and adiponectin in children environmentally exposed to PCBs
Lubica Palkovicova, Henrieta Patayova, Kinga Lancz, Katarina Rausova, Sona Wimmerova, Jana Chovancova, Eva Šovčíková, Tomáš Trnovec*
- P-3-24-12 Maternal Urinary Dialkylphosphate Metabolites of Organophosphorus Insecticides in a Pilot Birth Cohort in Thailand: The SAWASDEE Study
P Barry Ryan, Tippawan Prapamontol, Parinya Panuwet, Ampica Mangklabruks, Surat Hongsihsong, Sompong Loayang, Warangkana Narksen, Niphan Srinual, Anne M. Riederer, Dana Boyd Barr*
- P-3-24-13 Perfluorinated Compounds and Thyroid Function in Older Adults
*Srishti Srestha, Michael Bloom, Edward Fitzgerald**
- P-3-24-14 Phthalate metabolites in urine and their relation to asthma and allergy in school children -Exposure assessment to plasticizer and flame retardants (3)
Atsuko Araki, Toshio Kawai, Tazuru Tsuboi, Yu Ait Bamai, Eiji Yoshioka, Shuji Tajima, Shigekazu Ukawa, Cong Shi, Reiko Kishi*
- P-3-24-15 Prenatal exposure to DDE and PCB153 and infant's respiratory health: A European study
Mireia Gascón, Jordi Sunyer, Cécile Chevrier, Merete Eggesbø, Eva Govarts, Monika Kasper-Sonnenberg, Lubica Palkovicova, Maties Torrent, Maria Vassilaki, Maribel Casas, Martine Vrijheid*
- P-3-24-16 Prenatal exposure to persistent organic pollutants and early postnatal growth: Prospective evidence from the Spanish INMA-birth cohorts
Damaskini Valvi, Michelle A Mendez, Ferran Ballester, Jesús Ibarlucea, Fernando Goñi, Joan O. Grimalt, Esther Vizcaino, Jordi Sunyer, Martine Vrijheid*
- P-3-24-17 Prenatal exposure to phthalate esters and children's temperament
Hsiu Ying Ku, Shu-Li Wang, Pei Lin Wang, Pen Hua Su, Chien Jen Wang, Pao Chi Liao, Hsiao-Yen Chen*
- P-3-24-18 Pulmonary Obstruction among Workers at a Food Flavorings Manufacturing Facility
Christopher Ronk, Dana Hollins, Megan Jacobsen, David Galbraith, Heather Bolstad, Dennis Paustenbach*
- P-3-24-19 Systemic Study on Association between Dioxin and Liver Cancer
Fung-Chang Sung, Wen-Chao Ho, Jin-Hua Chen, Chung-Fen Lin, Min-Huei Su*
- P-3-24-20 Temporal Trends in Exposure to Phthalates: Findings from the National Health and Nutrition Examination Survey 2001-2010
Ami Zota, Antonia M. Calafat, Tracey Woodruff*
- P-3-24-21 The association between phthalates exposure and serum reproductive hormones in Taiwanese fertile and infertile men
Chang Wei Hsiang, Li Sih Syuan, Pan Hsien An, Wu Meng Hsing, Kuo Pao Lin, Lee Ching Chang*

27 VARIOUS ENVIRONMENTAL HEALTH TOPICS

- P-3-27-01 A Crossover Study of Noodle Soup Consumption in Melamine Bowls and Total Melamine Excretion in Urine
*Ming-Tsang Wu**
- P-3-27-02 A global analysis of earthquake mortality using a zero-inflated spatiotemporal model
Pandora Kodrou, José Rodríguez-Llanes, Debarati Guha-Sapir*
- P-3-27-03 A Multi-Functional Scheduling Tool for Epidemiologic Field Studies
*Elizabeth O'Connell, Christie Barker-Cummings, Thomasina Austin, Diana Smith, Sandra Halverson**
- P-3-27-04 A nationwide survey to elucidate the population susceptible to chemicals in Japan: trends in population characteristics in recent decades
Kenichi Azuma, Iwao Uchiyama, Takahiko Katoh, Hiromitsu Ogata, Keiichi Arashidani, Naoki Kunugita*
- P-3-27-05 A preliminary investigation using a monitor for quantifying personal eye exposure to visible and ultraviolet radiation
Yuji Nishiwaki, Norihito Eto*

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- P-3-27-06 A significant number of health problems can be attributed to environmental factors, which range from environmental, chemical, food, to housing quality and noise
Kakha Nadirdze, Nana PHIROSMANASHVILI*
- P-3-27-07 Achieving and Maintaining High Quality Spirometry Results in an Epidemiologic Field Study
*Christie Barker-Cummings, Elizabeth O'Connell, Jane Hoppin, Stephanie J. London, John Hankinson, Sandra Halverson**
- P-3-27-08 An Evaluation of the Between-User Reliability of Tier 1 Tools Used for Exposure Assessment under REACH
Judith Lamb, Karen Galea, Martie van Tongeren, Brian Miller, Gary Hazelwood, Shahzad Rashid*
- P-3-27-09 Children's environmental health questionnaire survey 2011
Antonis Georgellis, Anne-Sophie Merritt, Niklas Andersson, Tom Bellander*
- P-3-27-10 Deeper assessment of "indoor environmental quality" by employing mixed method approach (A case study of Personal ventilation system)
*Nafiseh Hamidi**
- P-3-27-11 Development and comparison of two sampling methods to assess dermal exposure to drilling fluids and crude oil
Karen Galea, Carolyn McGonagle, David Todd, Anne Sleuwenhoek, Alison Searl*
- P-3-27-12 Effect of urinary concentration of phthalates and bisphenol A metabolites in the atopic dermatitis symptoms of children in a child day care center
EUN-HYE Kim, Byoung-Hak Jeon, Hae-Kwan Cheong, Ji Hyun Kim, Youngshin Han, Kang Mo Ahn*
- P-3-27-13 Environmental factors and HPV status predicts treatment failure of cervical precancerous lesions among Brazilian women
Ilce Silva, Rosalina Kpoifman, Vanessa Dantas, Sergio Koifman*
- P-3-27-14 How infected is Gujarat: Comparison of selected infectious disease rates with India
Nandini Choudhury, Veena Iyer, Gulrez Shah Azhar, Vidwan Dhruwey, Russell Dacombe, Ashish Upadhyay*
- P-3-27-15 Hygienic quality of human excreta in the storage options in Vietnam
Toan Vu Van, Phuc Pham Duc, Hung Nguyen Viet, Bich Tran Huu, Christian Zurbrugg, Jakob Zinsstag*
- P-3-27-16 Identification of environmental risk factors which women with breast cancer have been exposed to in Istanbul
Hulya Gul, Bilge Hapcoglu, Zahide Ceren Atli*
- P-3-27-17 Is climate change as large a health threat as some have proposed? A new conceptual framework suggests it is.
*Colin Butler**
- P-3-27-18 Methods for combining cohort data set having different variables for pooled-analysis
Min-ha Han, Yun Chul Hong, HyeSook Park, Mina Ha, Yangho Kim, Eun-Hee Ha*
- P-3-27-19 Mothers and Children's Environmental Health Study in Hebei Spirit Oil Spill
Hyun Sook Bae, Su Ryeon Noh, Yong Jin Jeon, Jung Ah Kim, Gwi Heum Eom, Young-Hyun Choi, Mina Ha, HaeKwan Cheong, Eun-Hee Ha*
- P-3-27-20 Mothers and Their Infants' Health From Gestational Exposure to the Hebei Spirit Oil Spill
Hyun Sook Bae, Su Ryeon Noh, Yong Jin Jeon, Gwi Heum Eom, Jung Ah Kim, Young-Hyun Choi, Mina Ha, HaeKwan Cheong, Eun-Hee Ha*
- P-3-27-21 Nanosilver in Medical and Consumer Products: Risks for Health and Environment?
Erik Petersen, Stefan Gartiser, Susanne Smolka, Barbara Jahn, Stefanie Wiek*
- P-3-27-22 NANOTECHNOLOGY AND HUMAN HEALTH: SCIENTIFIC EVIDENCE AND RISK GOVERNANCE
Marco Martuzzi, Steffen d, Khara Grieger, C Vyvyan Howard*
- P-3-27-23 Non-response and time-to-response in the Swedish Environment & Health surveys
Niklas Andersson, Tomas Lind, Tom Bellander*
- P-3-27-24 Performance evaluation of CIDARS on dengue fever outbreak detection, China
Zhang Honglong, Zhongjie Li, Shengjie Lai, Archie Clements, Wenbiao Hu, Weizhong Yang*

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- P-3-27-25 Performance evaluation of CIDARS on dengue fever outbreak detection, China
Zhang Honglong, Zhongjie Li, Shengjie Lai, Archie Clements, Wenbiao Hu, Weizhong Yang*
- P-3-27-26 Potential Exposure to Silver Nanoparticles in Children's Consumer Products
Niccole S. Tulve, Marina Quadros, Kim Rogers, Robert Willis, Linsey Marr*
- P-3-27-27 Risk of vehicle accidents among young drivers in the Metropolitan Area of Guadalajara:2000-2010
Abril Asminda Rivera Valerio, María Guadalupe Garibay-Chávez*
- P-3-27-28 Role of the clothing in protection strategies and its implication for the physiological state of the wearer
Agnes Psikuta, René Rossi*
- P-3-27-29 shift work, light at night, and breast cancer risk: a meta-analysis
Chunla He, Sonia Taj Anand, Sara E Wagner*
- P-3-27-30 Spatial and temporal predictors of melanoma incidence in Austria: Results of an ecologic study.
Hanns Moshhammer, Stana Simic, Jasmina Hadzimustafic, Philipp Weihs, Jochen Wagner, Michael Fitzka, Daniela Haluza*
- P-3-27-31 Survey on Living Environment of Rural Residents in Central China
Jinliang Zhang, Guoliang Chen, Fengzhu Tan, Xiujie Fang, Ling Liu, Xiuge Zhao, Xianliang Wang, Wei Meng*
- P-3-27-32 Translating Research in Environmental Health to Pediatric Practice: A Survey of Pediatric Hematologists and Oncologists
Mark Miller, Gary Dahl, Christine Zachek, Patricia A. Buffler, Christopher Hsu*
- P-3-27-33 Understanding Cumulative Impacts in Assessing Community Exposures and Health
Debra Kaden, Sandy Sulsky, Linda Dell, Linda Hall, Elizabeth Miesner*
- P-3-27-34 URBAN SPRAWL, TRANSPORT AND VEHICLE ACCIDENTS IN GUADALAJARA'S METROPOLITAN AREA
Luis Gerardo Caminos Serrano, Arturo Curiel Ballesteros*
- P-3-27-35 Water contact through showering and bathing and eczema among children living in an area with very hard water
Laia Font-Ribera, Manolis Kogevinas, Cristina M. Villanueva*

30 HEALTH IMPACT ASSESSMENT

- P-3-30-01 Assessing Environmental Control Strategy of Tuberculosis Infection in Thai Hospitals: Perspective from Architect
*Vorapat Inkarojrit**
- P-3-30-02 Biocombust
Richard Gminski, Irina Nazarenko, Alif Ali Tarib, Volker Mersch-Sundermann*
- P-3-30-03 Changes in the behavior of algae *Euglenas gracillis* in the presence of 17 β estradiol and 17 α estradiol in urban waste water.
Gilmar Sidnei Erzinger, Luciano Henrique Pinto, Rafaela Sierth Sierth, Lineu Fernando Del Ciampo, Donat Peter Häder*
- P-3-30-04 Characteristics and Health Impacts of Ambient Bioparticles in Northern Taiwan
Hsing Jasmine Chao, Meng-Fei Lee*
- P-3-30-05 Effects of studded tire restrictions on the public health in Stockholm, Sweden.
Kadri Meister, Christer Johansson, Bertil Forsberg, Lars Burman*
- P-3-30-06 Going beyond boundaries: a systematic review of pathogens transmitted from men to animals and its global health impact
Angelo Giuseppe Solimini, Maddalena D'Addario, Antonio Di Lascio, Paolo Villari*
- P-3-30-07 Health effects of chemical products: cleaning products and biocides
Rasoloharimahefa Rasamoela Michele, Catherine Bouland*
- P-3-30-08 HEALTH IMPACT ASSESSMENT OF WASTE TREATMENT PLANTS ON THE RESIDENT POPULATION
Andrea Ranzi, Carla Ancona, Paola Angelini, Ennio Cadum, Monica Chiusolo, Francesco Forastiere, Paolo Lauriola, Federica Parmagnani, Renato Pizzuti, Salvatore Scondotto*
- P-3-30-09 Health risk assessment of chlorophenols in drinking water
*Päivi Meriläinen**

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- P-3-30-10 Health risk assessment of human exposures to phthalate esters in indoor dust from daycare centers, kindergartens and elementary schools in Taiwan
Chia-Wei Lee, Der-Jen Hsu, Chun-Nan Huang, Wei-Lun Lee, Hung-Bin Juo, Huey-Jen Su*
- P-3-30-11 Identifying environmental “hotspots” to reduce their impact on health: a methodological review
Etienne Cassagne, Etienne Cassagne, Pascal De Giudici, Marie-Thérèse Guillam, Claire Ségala*
- P-3-30-12 Neuropsychological assessment in the BREATHE project: preliminary results
Joan Forn, Mònica López-Vicente, Mikel Esnaola, Mar Álvarez Pedrerol, Jordi Julvez, Jordi Sunyer*
- P-3-30-13 NO₂ ambient air levels differently affect life expectancy according to social deprivation: an analysis across census blocks in Paris
Claire Petit, Séverine Deguen, Ari Rabi, Annabelle Lapostolle, Benoît Lalloué, Wahida Kihal, Cindy Padilla, Tarik Benmarhnia, Pierre Chauvin, Denis Zmirou-Navier*
- P-3-30-14 Perception of uncertainties and quality in risk assessments by people working with risk assessments
Monika Filipsson, Anna Augustsson, Magnus Fagergren*
- P-3-30-15 Prediction of Long Term Health Impacts at Sensitive Areas by Air Quality Monitoring at Jaipur City India
*Charu Jhamaria**
- P-3-30-16 PROJECT FOR TRAINING TO GENERAL PRACTITIONERS ON THE ENVIRONMENTAL HEALTH
Tanya Turnovska, Gergana Foreva, Donka Dimitrova, Radost Asenova, Rositsa Dimova, Romyana Stoyanova, Valeri Serafimov, Stanka Chokova, Vanya Tancheva – Mancheva, Georgi Tsigarovski, Rada Boyadzhieva*
- P-3-30-17 Rapid Screening of Lower Concern Substances for Human Health Screening Assessments under the Canadian Environmental Protection Act (CEPA 1999)
Heather Patterson, Pete Robinson*
- P-3-30-18 Rhino Sinusitis and Air Quality: The Radiological and Health Assessment
*Sunali Khanna**
- P-3-30-19 Setting of chronic indoor air quality guideline for nitrogen dioxide: Evidence-based approach using epidemiological studies.
*François Pouzaud, Valérie PERNELET-JOLY, Marion Keirsbulck, Guillaume Boulanger, Pierre-André Cabanes, Corinne Mandin**
- P-3-30-20 Synergies between Human, Animal and Plant Health
Sophie Haesen, Esther Schelling, Solveig Danielsen, Eric Boa*
- P-3-30-21 Synergistic and Hormetic Effects of Volatile Organic Compounds on Marine Luminescent Bacterium *Vibrio fischeri*
Shiro Ikeda, Hideaki Sekine, Yoshika Sekine*
- P-3-30-22 The estimation of health risk for lead exposure of children in China
Bing Wang, Jinliang Zhang, Yangshen Zhang, Libo Pan, Ling Liu, Xianliang Wang*
- P-3-30-23 The PLUPH Project: an environmental health study based on ecosystem approaches to human health (Ecohealth) in the Brazilian Amazon
Carlos José Sousa Passos, Frédéric Mertens, Robert Davidson, Christine Romana, Marc Lucotte*
- P-3-30-24 Uncertainty in Health Impact Assessment of Organic Air Toxics from Refinery – A Case Study in Taiwan
Jiun-Horng Tsai, Jin-Hong Ju, Yung-Chen Yao*
- P-3-30-25 Use of animal experiments with engineered nanoparticles for health risk assessment and management
Larisa Privalova, Boris Katsnelson, Vladimir Gurvich, Sergei Kuzmin*

14:00–15:30

S-3-19

TRANSLATING SCIENCE INTO HEALTH BENEFITS: A GLOBAL PERSPECTIVE ON AIR POLLUTION

San Francisco

Chair(s): H. Ross Anderson, Marie-Eve Héroux

This session recognizes the achievements of Michal Krzyzanowski. Supported by Swiss FEDERAL OFFICE FOR THE ENVIRONMENT, Health Effects Institute, and Helmholtz Centre Munich)

S-3-19-01

Application of the WHO air quality guidelines to address ambient air pollution exposures in India: The need to address outdoor and household sources
Kalpna Balakrishnan, Suresh Dhaniyala, Santu Ghosh, Sankar Sambandam, Krishnendu Mukhopadhyay, Nigel Bruce, Kirk R. Smith*

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	S-3-19-02	Global perspectives in outdoor air pollution: Burden and prospects <i>Michael Brauer*</i>	
	S-3-19-03	The USA outlook on outdoor air pollution – from science to regulation <i>Dan Greenbaum*</i>	
	S-3-19-04	6.2 Key new findings on health effects of air pollutants and impact of evidence for EU policies and WHO guidelines – the REVIHAAP and HRAPIE Projects <i>Bert Brunekreef*</i>	
14:00–15:30	S-3-20	CLIMATE CHANGE, INDOOR ENVIRONMENT AND HEALTH: GLOBAL PERSPECTIVE Chair(s): Hal Levin	Montreal
	S-3-20-01	Climate change, Indoor Environment, and Health: Issues and Opportunities for Exposure science and Epidemiology <i>John D. Spengler*</i>	
	S-3-20-02	Indoor Climate Implications of Extreme Outdoor Climates <i>Kirk R. Smith*, Tord Kjellstrom, Vidhya Venugopal, Bruno Lemke, Rebekah Lucas</i>	
	S-3-20-03	Urban warming and its impact on indoor environment <i>Yuguo Li*</i>	
	S-3-20-04	US Institute of Medicine Report: Climate Change, the Indoor Environment and Health and the US Environmental Protection Agency (EPA) Response <i>Mike Flynn*</i>	
14:00–15:30	O-3-21	HEALTH EFFECTS OF TRAFFIC-RELATED AIR POLLUTION Chair(s): Debra Kaden, Joshua Apte	Sydney
	O-3-21-01	Traffic-Related Air Pollution and Risk of Congenital Anomalies in Barcelona. <i>Anna Schembari*, Mark J Nieuwenhuijsen, Joaquin Salvador, Audrey de Nazelle, Marta Cirach, Payam Dadvand, Rob Beelen, Gerard Hoek, Bert Brunekreef, Xavier Basagaña, Martine Vrijheid</i>	
	O-3-21-02	Traffic-related air pollution and noise and blood pressure of children: Results from the PIAMA birth cohort study <i>Natalya Bilenko*, Bert Brunekreef, Rob Beelen, Marloes Eeftens, Gerard Koppelman, Marieke Oldenwening, Henriette A. Smit, Elise van Kempen, Lenie van Rossem, Alet H. Wijga, Ulrike Gehring</i>	
	O-3-21-03	Traffic-related air pollution and lung function in children – the ESCAPE project <i>Ulrike Gehring*, Erica S. Schultz, Raymond Agius, Elaine Fuentes, Joachim Heinrich, Claudia Klümper, Anna Mölter, Andrea von Berg, Göran Pershagen, Bert Brunekreef</i>	
	O-3-21-04	The Community Assessment of Freeway Exposure and Health (CAFEH) study: Overview and progress to date <i>Doug Brugge*, Kevin Lane, Allison P Patton, Christina Fuller, Mei Chung, Deena Wang, Tina Wang, Wig Zatore, Mkaya Mwamburi, John L Durant</i>	
	O-3-21-05	Exposure to Traffic Pollution, Acute Inflammation and Autonomic Response in the Atlanta Commuters Exposure (ACE) Study <i>Jeremy Sarnat*, Roby Greenwald, Priya Kewada, W. Dana Flander, Stefanie Sarnat, Fuyuen Yip, Tegan Boehmer, Amit Raysoni, Mike Bergin</i>	
	O-3-21-06	Roadway proximity and the risk of nonfatal myocardial infarction, nonsudden fatal coronary heart disease, and sudden cardiac death <i>Jaime E. Hart*, Stephanie Chiuve, Francine Laden, Christine Albert</i>	
14:00–15:30	O-3-22	ASSESSMENT OF ORGANIC POLLUTANT EXPOSURE Chair(s): John Havermans, Thomas E. McKone	Singapore
	O-3-22-01	Phthalate and Bisphenol A Exposure and Maternal Hormone Concentrations During Pregnancy <i>Sheela Sathyanarayana*, Emily Barrett, Christina Wang, Shanna Swan</i>	
	O-3-22-02	Serum Concentrations of Polychlorinated Dibenzo-p-dioxins Among Users of Ball Clay <i>Alfred Franzblau*, Kendra Broadwater, William Luksemburg, Martha Maier, Xiaohui Jiang, David Garabrant, Avery Demond, John D. Meeker</i>	
	O-3-22-03	Higher blood serum concentrations of bisphenol A in Greenlandic Inuit compared to men from two other European populations <i>Bo A.G. Jönsson, Lars Rylander*, Christian H. Lindh, Virissa Lenters, Anna Rignell-Hydbom, Aleksander Giwercman, Henning S Pedersen, Gunnar Toft, Jens Peter Bonde</i>	

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	O-3-22-04	Unknown levels, uncertain sources: or all we know regarding Humans and Organotin compounds <i>Ana Catarina Sousa*, M. Ramiro Pastorinho, António J.A. Nogueira, Luís Taborada-Barata, Shin Takahashi, Shinsuke Tanabe</i>	
	O-3-22-05	Vapor Intrusion of VOCs and Indoor Exposure Risk: A Field Study in an Urban Neighborhood <i>Madeleine Kangsen Scammell*, Wendy Heiger-Bernays, Michael McClean, Eric Suuberg, Leigh Friguglietti, Ali Gharehtapeh, Jennifer Ames, Rui Shen, Brittany Weldon, Kelly Pennell</i>	
	O-3-22-06	Measurements of persistent organic pollutants (POPs) in a single drop of blood <i>Jianwen She*, Dasheng Lu, Ho Sai Simon Ip</i>	
14:00–15:30	O-3-23	SHORT TERM EFFECTS OF AMBIENT AIR POLLUTION Chair(s): Ozkaynak Haluk, Gudrun Weinmayr	Osaka / Samarkand
	O-3-23-01	Short-term effects of PM _{2.5} and NO ₂ on mortality in 25 Italian cities: the EpiAir2 project <i>Cecilia Scarinzi*, Monica Chiusolo, Ester Rita Alessandrini, Massimo Stafoggia, Annunziata Faustini, Francesco Forastiere, Ennio Cadum, the EPIAIR Collaborative Group, Gabriele Accetta, Ester Alessandrini, Lorenzo Angiuli, Anton</i>	
	O-3-23-02	Short-term effects of fine and coarse particles on mortality and morbidity in 4 Mediterranean countries <i>Evangelia Samoli*, Massimo Stafoggia, Ester Rita Alessandrini, Sophia Rodopoulou, Klea Katsouyanni, Francesco Forastiere, The MED-PARTICLES Study group.</i>	
	O-3-23-03	Threshold of association between ambient ozone concentration and non-accidental mortality in 13 Japanese and Korean cities <i>Sanghyuk Bae*, Youn-Hee Lim, Saori Kashima, Takashi Yorifuji, Yasushi Honda, Ho Kim, Yun Chul Hong</i>	
	O-3-23-04	Size-fractionated particle number concentrations and daily mortality in a Chinese city <i>Kan Haidong*, Xia Meng</i>	
	O-3-23-05	Daily mortality and ozone – which metric? <i>Hanns Moshhammer*, Hans-Peter Hutter, Michael Kundi</i>	
	O-3-23-06	Influence of seasonal adjustment in regression models on mortality risk estimates for multiple ambient air pollutants <i>Kazuhiko Ito*, Jennifer L. Peel, Jason Sacks</i>	
14:00–15:30	S-3-24	PREVENTION, DIAGNOSIS AND CURE FOR THE PRACTICE OF "MANUFACTURING DOUBT": WHAT CAN SCIENTIFIC SOCIETIES DO AND HOW CAN THE ISEE POLICY COMMITTEE DEVELOP A HELPFUL APPROACH? Chair(s): Erik Lebrecht, Michal Krzyzanowski	Rio
	S-3-24-01	Pitfalls in the Diagnosis of „Manufacturing Doubt.“ <i>Raymond Neutra*</i>	
14:00–15:30	S-3-25	AGRICULTURAL EXPOSURES & RURAL HEALTH Chair(s): D'Ann Williams, Ana Rule	Boston
	S-3-25-01	6.1 Community Perception of Quality of Environment and Health Associated with Animal Agriculture <i>Timothy Buckley*, Liesel Seryak</i>	
	S-3-25-02	6.2 Hazard-Ranking of Agricultural Pesticides for Chronic Health Effects in Yuma County, Arizona <i>Anastasia Sugeng*, Paloma Beamer, Eric Lutz, Celia Rosales</i>	
	S-3-25-03	6.3 Recent efforts in fecal source tracking and the connection to public health: Do we know more now than 10 years ago? <i>Kristen Gibson*</i>	
	S-3-25-04	6.4 Environmental and occupational exposures to antimicrobial-resistant <i>Staphylococcus aureus</i> related to livestock agriculture <i>Chris Heaney*</i>	
	S-3-25-05	6.5 The epidemiology of hepatitis E virus and the relationship between infection in pigs and humans in community of agricultural-food system in Nan, Thailand <i>Soawapak Hinjoy*</i>	
14:00–15:30	S-3-26	INTERPLAY BETWEEN HUMAN AND ANIMAL STUDIES IN ENDOCRINE DISRUPTION Chair(s): Kimberly Gray, Joseph Braun	Shanghai
	S-3-26-01	Differential information from blood vs urine levels in studies of endocrine disruptors <i>Fred Vom Saal, Shelley Ehrlich*</i>	

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	S-3-26-02	Comparing observational and experimental approaches in epidemiology: BPA example <i>Jenny Carwile*</i>	
	S-3-26-03	Non-monotonic dose responses in epidemiology studies: lessons learned from cell culture and animal studies <i>Nicolas Olea*</i>	
	S-3-26-04	Shared models and mechanisms? The examples of DES and phthalate syndrome <i>Shanna Swan*</i>	
14:00–15:30	S-3-27	RADIOFREQUENCY ELECTROMAGNETIC FIELDS AND CHILDREN'S HEALTH; HOW CAN WE IMPROVE OUR CURRENT KNOWLEDGE? Chair(s): Kerstin Hug, Roel Vermeulen	Kairo
	S-3-27-01	Current knowledge on RF exposure assessment and Children's health <i>Anke Huss*, Hans Kromhout, Roel Vermeulen</i>	
	S-3-27-02	Environmental radiofrequency electromagnetic field exposure and cognitive function and behaviour problems in 5-6 year old children <i>Monica Guxens*, Manon van Eijdsen, Beekhuizen Johan, Eva Loomans, Tanja G.M. Vrijkotte, Rob T. van Strien, Hans Kromhout, Roel Vermeulen, Anke Huss</i>	
	S-3-27-03	Mobi-Expo: Using software modified smartphones to characterize mobile phone use in children, adolescents, and young adults <i>Mobi-Expo study group*</i>	
	S-3-27-04	Propagation modelling, mobile phone traffic data, questionnaires, personal measurements and mobile phone apps: an integrated approach for exposure assessment <i>Katharina Roser*, Anna Schoeni, Martin Röösli</i>	
	S-3-27-05	Use of mobile phones and cognitive effects in primary school children <i>Michael Abramson*, Christina Dimitriadis, Skye Macleod, Catherine Smith, Geza Benke, David Darby, Jordy Kaufman, Malcolm Sim, Rory Wolfe, Rodney Croft</i>	
14:00–15:30	O-3-28	SOURCES OF INDOOR EXPOSURE: COMBUSTION, CONSUMER PRODUCTS, DUST AND CRYSTAL METH! Chair(s): John C. Little, Jessica Reiner	Delhi
	O-3-28-01	Emissions from Wood Burning Stoves and Ethanol Fireplaces into the Indoor Environment <i>Tobias Schripp*, Michael Wensing, Sebastian Wientzek, Tunga Salthammer</i>	
	O-3-28-02	A pilot study of indoor exposure to pollutants from kerosene space heaters <i>Benjamin Hanoune*, Marion Carteret, Corinne Schadkowski, Aurore Deconinck</i>	
	O-3-28-03	Assessing Strong PM Source Levels and Patterns of Exposure Using Log-Probability Analyses of Cookstove Study Data <i>Charles Rodes*, Ryan Chartier</i>	
	O-3-28-04	Accuracy of Exposure Factors of Consumer Products in Korea <i>Kiyoung Lee*</i>	
	O-3-28-05	A Comparison of Methods for Estimating Surface Loading and Size Distribution for Settled Dust on Floorings <i>Yilin Tian*, Yan Ma, Andrea Ferro</i>	
	O-3-28-06	Methamphetamine Desorption from Wallboard During Remediation Conditions <i>Dustin Poppendieck*, Richard Corsi</i>	
14:00–15:30	O-3-29	HEALTH EFFECTS OF METALS Chair(s): Adam Schaefer, Felicia Rabito	Helvetia 1
	O-3-29-01	Gestational lead concentrations and timing of menarche in girls enrolled in the Avon Longitudinal Study of Parents and Children <i>Mildred Maisonet*, Caroline M Taylor, Adrienne K Holmes, Michele Marcus, Jouni Jaakkola, Jean Golding</i>	
	O-3-29-02	Global DNA Methylation and Global Hydroxymethylation in a Population-based Pilot Sample from the Strong Heart Study <i>Maria Tellez Plaza*, Wan Y. Tang, Yan Shang, Jason G. Umans, Kevin A. Francesconi, Walter Goessler, Jonathan Pollak, Eliseo Guallar, Shelley A. Cole, M. Danielle Fallin, Ana Navas-Acien</i>	
	O-3-29-03	New Evidences about Adverse Health Effects Based on Chromate Environmental and Biological Exposure Assessment in Chromate Manufacturing Workers <i>Jia Guang*, Shanfa Yu, Ji Zhang, Tiancheng Wang, Yang Li, Yanshuang Song</i>	

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	0-3-29-04	The concurrent exposure of maternal stress and selenium deficiency in Shanghai recent immigrant pregnant women <i>Jian Xu*, Chong-huai Yan, Jin-song Zhang, Jun Zhang, Xiao-ming Shen</i>	
	0-3-29-05	Uranium exposure to a community population: renal proximal tubule damage and other biomarkers of renal function <i>Susan M. Pinney*, Robert L. Herrick, Jeanette M Buckholz</i>	
	0-3-29-06	Environmental health in Alpujeca, México. An ecosystem approach. <i>Horacio Riojas Rodríguez*, Urinda Alamo Hernández, Fernando Díaz Barriga, Hilda Rangel, Norma Garduño Salazar, Celso Ramos, Ana Cecilia Espinosa</i>	
14:00–15:30	S-3-30	ENVIRONMENTAL AND OCCUPATIONAL HEALTH RISKS FROM FRACKING AND NATURAL GAS EXTRACTION Chair(s): Kyra Naumoff Sheilds, David F Goldsmith	Helvetia 2
	S-3-30-01	Encouraging Unconventional Natural Gas Development Data Transparency with FracTracker.org <i>Samantha Malone*, David „Brook“ Lenker</i>	
	S-3-30-02	Hydraulic Fracturing and Infant Health: Evidence From Pennsylvania and Colorado <i>Elaine Hill*</i>	
	S-3-30-03	Implementing Sound Regulations to Minimize Air Emissions Associated with Natural Gas Extraction <i>Gerry Ertel*, Christa Seaman</i>	
	S-3-30-04	Lowering Impacts of Natural Gas Drilling in Dawson Creek, BC, Canada <i>Christa Seaman*, Deanna Grant, Shawn Baxter</i>	
	S-3-30-05	Silica Dust is a Serious Fracking Hazard <i>David F Goldsmith*</i>	
14:00–15:30	O-3-31	ENVIRONMENTAL HEALTH AND ECOSYSTEM HEALTH Chair(s): Jakob Zinsstag, Lora E. Fleming	Helvetia 3-5
	O-3-31-01	Convergence of environmental health and ecosystem health concepts, methods and practice <i>Jakob Zinsstag*</i>	
	O-3-31-02	Dengue, Urbanization and Globalization: The Unholy Trinity of the 21st Century <i>Duane Gubler*</i>	
	O-3-31-03	Occurrence and ecotoxicity of PFCs in marine environment of Singapore <i>Changhui Liu*, Nguyen Viet Tung, Karina Y.H. Gin, Victor W.C. Chang</i>	
	O-3-31-04	Health Risk Evaluation of Disinfection By-Products (DBPs) for Indoor Swimming Pool Users via Life Cycle Impact Assessment Approach <i>Jin Zhou*, Victor W.C. Chang, Christian Zwiener, Christina Schmalz, Anthony G. Fane</i>	
	O-3-31-05	Specific Consumer Exposure Determinants (SCEDs) for Fuel and Lubricant Scenarios <i>Rosemary Zaleski*, Hua Qian, Chris Money</i>	
	O-3-31-06	Air pollution impact assessment in the area surrounding the industrial settlement of Priolo/Augusta (Italy): A multidisciplinary approach. <i>Margherita Ferrante, Chiara Copat, Caterina Ledda*, Alfina Grasso, Giovanni Arena, Gea Oliveri Conti, Salvatore Sciacca</i>	
16:00–17:15	S-3-32	ASBESTOS RESEARCH OF IARC Chair(s): Erik Lebre, Annette Peters; Discussants: Colin Soskolne, David Savitz, David Richardson, Joachim Schüz (Response)	San Francisco
	S-3-32-01	Rationale and key features of a cohort study in employees of a Russian chrysotile asbestos mine and mills <i>Joachim Schüz*</i>	
16:00–17:15	O-3-33	CLIMATE CHANGE POLICY Chair(s): Guéladio Cissé, Denis Zmirou-Navier	Montreal
	O-3-33-01	Protecting health from climate change- what has been done? <i>Tanja Wolf*</i>	
	O-3-33-02	Is Europe prepared for the next big heatwave? <i>Martin-Immanuel Bittner*, Franziska Matthies, Dafina Dalbokova, Bettina Menne</i>	

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THURSDAY	0-3-33-03	Evaluation of Health-Related Impacts of the National Cold Weather Plan for England <i>Shakoor Hajat*, Zaid Chalabi, Paul Wilkinson, Bob Erens, Benjamin Ritchie, Lorelei Jones, Catherine Heffernan, Nicholas Mays</i>	
	0-3-33-04	Preparing Rural GPs and health services for climate change and extreme weather <i>Rachael Purcell*, Associate Professor Joe McGirr</i>	
	0-3-33-05	Heat-related Mortality Displacement in U.S. Cities <i>Robert Davis, Michael Saha, David Hondula*</i>	
	16:00-17:15	0-3-34 AIR POLLUTION IN ELDERLY Chair(s): Tom Bellander, Nicole Janssen	Sydney
	0-3-34-01	Long-term effects of fine particulate PM _{2.5} estimated from NASA satellite remote sensor data on mortality in an elderly cohort in Hong Kong <i>Chit Ming Wong*, Hak Kan Lai, Hilda Tsang, Thuan Quoc Thach, Graham Neil Thomas, Kin Bong Hubert Lam, Kai Hon Alexis Lau, Jon G. Ayres, Ruby SY Lee, Anthony J Hedley, Tai Hing Lam</i>	
	0-3-34-02	Air pollution is associated with stronger lung function decline in the elderly <i>Johanna LEPEULE, Augusto A. Litonjua, Petros Koutrakis, Brent A. Coull, David Sparrow, Pantel S. Vokonas, Joel D. Schwartz*</i>	
	0-3-34-03	Long-term Exposure to Air Pollution and Risk of Multimorbidity among the Elderly: Results from the KORAAGE Study <i>Christine Autenrieth*, Regina Hampel, Kathrin Wolf, Josef Cyrys, Angela Döring, Rob Beelen, Göran Pershagen, Annette Peters</i>	
	0-3-34-04	Host and environmental predictors of exhaled breath temperature in the elderly <i>Esmée Bijmens*, Nicky Pieters, Harrie Dewitte, Bianca Cox, Bram Janssen, Nelly Saenen, Evi Dons, Maurice P Zeegers, Luc Int Panis, Tim S. Nawrot</i>	
	0-3-34-05	Effects of air pollution and meteorological factors on long-term institutional care of elderly people in Tainan City, Taiwan <i>Tzu-I Sung*, Yu-Han Cheng, How-Ran Guo</i>	
	16:00-17:15	0-3-35 BIOMARKER EXPOSURE MODELING Chair(s): Harris Shelley, Denis Sargiannis	Singapore
	0-3-35-01	Demonstration and exploitation of the 2-FUN human exposure model identified as a promising tool derived from EU research activities; A case study on Arsenic <i>Johan Bierkens*, Tine Fierens, Mirja Van Holderbeke, Christa Cornelis, Arnout Standaert, Luc Int Panis</i>	
	0-3-35-02	Parabens and other phenols in urine samples of the German Environmental Specimen Bank (ESBHum) from 1995 to 2012: a retrospective exposure assessment <i>Rebecca K. Moos, Marike Kolossa-Gehring, Petra Apel, Jürgen Angerer, Thomas Brüning, Holger M. Koch*</i>	
	0-3-35-03	Reliability of triclosan in repeated urine samples from Norwegian women <i>Randi Bertelsen*, Stephanie Engel, Todd A. Jusko, Antonia M. Calafat, Jane Hoppin, Merete Eggesbø, Heidi Aase, Paal Zeiner, Ted Reichborn-Kjennerud, Virginia Guidry, Matthew Longnecker</i>	
	0-3-35-04	Consumer exposure to parabens within cosmetics compared with population-scale urinary biomarkers <i>Alexi Ernstoff, Susan Csizsar, Olivier Jolliet*</i>	
	0-3-35-05	The Effectiveness Environmental Measurements and Biomarkers of Exposure at Minimizing Exposure Misclassification <i>Jonathan Thornburg*, Seung-Hyun Cho, James Raymer, Fuyuen Yip, Tegan Boehmer, Marjorie HinsdaleShouse, Lisa Thalji, Diane Wagener</i>	
	16:00-17:15	0-3-36 HOUSEHOLD AIR POLLUTION AND QUALITY OF LIFE Chair(s): Hien Le, Yoon-Shin Kim	Osaka / Samarkand
	0-3-36-02	A Study of Indoor Air Quality during cooking activities in the Philippines <i>Mona Loraine Barabad*, Duck Shin Park, Kyung Hwan Park, Do Yeon Hwang</i>	
	0-3-36-03	Behavior of VOCs and carbonyl compounds emission from different types of wallpapers and flooring materials in Korea <i>Jungyun Lim, Sue-Jin Kim, Woo-Seok Lee, Jin-Seok Han, Jun-Seok Cha*</i>	
	0-3-36-04	Exploration for Biomarkers of Sick Building Syndrome: Feasibility Study of Allostatic Load Model <i>Chien-Cheng Jung, Hsiu-Hao Liang, Nai-Yun Hsu, Hsin-Wen Chang, Hui-Ling Lee, Yi-Ho Lee, Huey-Jen Su*</i>	

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	O-3-36-05	Implementation of Odour Measurement in the Assessment of Building Products <i>Laura Brosig*, Wolfgang Horn, Lars Pyza, Oliver Jann</i>	
16:00–17:15	O-3-37	MENTAL HEALTH Chair(s): Shariful Islam, Jaime E. Hart	Boston
	O-3-37-01	The Association between Neighborhoods' Characteristics and Stress in Children: Evidence from Kuala Lumpur, Malaysia <i>Asra Hosseini*</i>	
	O-3-37-02	Real time assessment of stress experienced during travel times in Barcelona, Spain, using novel smart phone technology <i>Audrey de Nazelle*, David Donaire-Gonzalez, Edmund Seto, Michelle A Mendez, Mark J Nieuwenhuijsen, Michael Jerrett</i>	
	O-3-37-03	Organic vegetable farming in rural Thailand and its impacts on physical and psychological health <i>Thanawit Bunsit*</i>	
	O-3-37-04	Field Survey of Health Perception and Complaints of Pennsylvania Residents in Marcellus Shale Regions Pouné Saberi*, Martha Powers, Judith McKenzie, Edward Emmett	
	O-3-37-05	Estimating the impact of earthquake exposure on stress related health; preliminary results from Christchurch, New Zealand. <i>Simon Kingham*, Kim Reed, Malcolm Campbell, Daniel Hogg, Tom Wilson, Mike Ardagh</i>	
16:00–17:15	O-3-38	SKIN EXPOSURE, SKIN DISEASE, AND RELATED RISK FACTORS Chair(s): Chou Tzu-Chieh, Asaad Nafees	Shanghai
	O-3-38-01	Environmental risk factors for atopic dermatitis in 6624 children aged 3-6 years old in Shanghai, China: interaction between environment and heredity <i>Feng Xu, Shuxian Yan, Fei Li, Haidong Kan, Jinhua Xu, Zhuohui Zhao*</i>	
	O-3-38-02	Solar ultraviolet radiation exposure influences the immune response to immunization: Results from an Australian clinical trial <i>Ashwin Swaminathan*, Robyn Lucas, Matthew Cook, Keith Dear, Simone Harrison, Ketheesan Natkunam, Tony McMichael</i>	
	O-3-38-03	Genetic Variants in One-carbon Metabolism and DNA Repair Genes Modify the Association between Arsenic and Skin Lesions in Bangladesh <i>Wei Jie Seow, Wen-Chi Pan, Molly Kile*, Andrea A Baccarelli, Quazi Quamruzzaman, Mahmuder Rahman, Golam Mostofa, Li Su, Xihong Lin, David C. Christiani</i>	
	O-3-38-04	Comparison of serum PAHs levels in workers of two separate petroleum occupational exposure situations Audil Rashid*, Ikhtiar Uddin, Tariq Mahmood	
16:00–17:15	O-3-39	METHODOLOGICAL ISSUES IN ENVIRONMENTAL HEALTH Chair(s): Michelle L. Bell, Carrie V. Breton	Kairo
	O-3-39-01	Values below limit of detection: simulations of mixed models data <i>Eva Andersson*, Magnus Akerstrom, Pernilla Almerud, Gerd Sallsten</i>	
	O-3-39-02	Time-varying confounders affected by prior exposure: when do they require causal inference methods? <i>Sally Picciotto*, Daniel M Brown, Ellen A. Eisen</i>	
	O-3-39-03	What you don't see can hurt you: Selection bias in cohort studies—are environmental studies at particular risk? <i>Marc G Weisskopf*, Howard Hu, David Sparrow, Melinda Power</i>	
	O-3-39-04	Controlling for the healthy worker survivor bias with g-estimation to assess the potential benefits of reducing occupational exposure limits <i>Sally Picciotto*, Jonathan Chevrier, Ellen A. Eisen</i>	
	O-3-39-05	Attenuation of exposure effects over time: a simulation study <i>Kyle Steenland*, Conny Karmes, Vaughn Barry, Lyndsey Darrow</i>	
16:00–17:15	O-3-40	OCCUPATIONAL STUDIES Chair(s): Kathleen Clark, Tom K Grimsrud	Delhi
	O-3-40-01	Occupational Exposure Assessment for Engineered CaCO ₃ Nanoparticles <i>Cui Ling*, Michael Yost, Harvey Checkoway, Sverre Vedal, Noah Seixas, Shichuan Tang</i>	
	O-3-40-02	Relationship between dermal exposure and PAH-DNA adducts in lymphocyte DNA in truck-drivers exposed to polycyclic aromatic hydrocarbons <i>Afshan Naseem*, Audil Rashid, Ikhtiar Uddin, Faiza Naseem</i>	

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	O-3-40-03	Trace metal exposure and inflammatory biomarkers in a cohort of U.S. trucking industry workers <i>Vanessa Palmer, Jaime E. Hart, Eric Garshick, Thomas J. Smith, Francine Laden*</i>	
	O-3-40-04	A Structural Approach to Analyzing Occupational Cohorts: The Healthy-Worker Survivor Effect and an Application in the Trucking Industry Cohort <i>Andreas M. Neophytou*, Jaime E. Hart, Ellen A. Eisen, Eric Garshick, Francine Laden</i>	
	O-3-40-05	Occupational heat exposures on working people: A systematic review <i>Vidhya Venugopal*, Madhan Chandran, Krishnan Srinivasan, Archana Prabukumar, Jeremiah Chinnadurai, Padmavathi Ramaswamy, Tord Kjellstrom</i>	
16:00–17:15	O-3-41	METAL EXPOSURES, CARDIOVASCULAR HEALTH, AND OTHER OUTCOMES Chair(s): Ellen Wells, Ferran Ballester	Helvetia 1
	O-3-41-01	Cadmium Exposure and Incident Peripheral Arterial Disease <i>Maria Tellez Plaza*, Eliseo Guallar, Richard R. Fabsitz, Barbara V. Howard, Jason G. Umans, Kevin A. Francesconi, Walter Goessler, Richard B. Devereux, Ana Navas-Acien</i>	
	O-3-41-02	Cadmium exposure and peripheral artery disease. A cohort study. <i>Lars Barregård*, Björn Fagerberg, Goran Bergstrom</i>	
	O-3-41-03	Blood Lead Concentrations and Cardiovascular Mortality in the United States: The NHANES Mortality Followup Cohort Study <i>Bruce Lanphear*, Stephen Rauch, Richard Hornung, Ryan W. Allen</i>	
	O-3-41-04	MTHFR genotype modifies the effect of lead exposure on plasma homocysteine in older adults <i>Kelly Bakulski*, Jennifer Weuve, Zishaan Farooqui, Patricia A. Cassano, David Sparrow, Marc G Weisskopf, Katherine L. Tucker, Howard Hu, Sung Kyun Park</i>	
	O-3-41-05	Multiple chemical and non-chemical exposures related to blood pressure within the National Health and Nutrition Examination Survey <i>Junenette Peters*, M. Patricia Fabian, Jonathan Levy</i>	
16:00–17:15	O-3-42	AIR POLLUTION AND EQUITY Chair(s): Stuart Batterman, Raymond Neutra	Helvetia 2
	O-3-42-01	ASSOCIATION BETWEEN SOCIOECONOMIC STATUS (SES) AND AIR POLLUTION EXPOSURE IN EUROPE <i>Sofia Temam*, Nino Kuenzli, Josep Maria Anto, Jean Bousquet, Debbie Jarvis, Nicole Le Moual, Nicole ProbstHensch, Jordi Sunyer, Bénédicte Jacquemin</i>	
	O-3-42-02	Associations between air pollution and socioeconomic characteristics, ethnicity and age profile of neighbourhoods in England and the Netherlands <i>Daniela Fecht*, Paul Fischer, Lea Fortunato, Gerard Hoek, Kees de Hoogh, Marten Marra, Hanneke Kruize, Danielle Vienneau, Rob Beelen, Anna Hansell</i>	
	O-3-42-03	NEONATAL MORTALITY, OUTDOOR AIR POLLUTION AND SOCIAL INEQUALITIES– A SPATIAL ANALYSIS CONDUCTED AT A SMALL GEOGRAPHICAL LEVEL IN THREE FRENCH METROPOLITAN AREAS <i>Cindy Padilla*, Veronica Vieira, Benoît Lalloué, Wahida Kihal, Denis Zmirou-Navier, Séverine Deguen</i>	
	O-3-42-04	Environmental injustice and inequality: NO ₂ air pollution in the United States <i>Lara Clark*, Dylan B. Millet, Matthew J. Bechle, Julian D. Marshall</i>	
	O-3-42-05	Measuring and improving environmental equality and justice: Diesel particles in California's South Coast <i>Julian D. Marshall*, Katie Swor, Nam Nguyen</i>	
17:30–19:00		ISEE GENERAL MEMBERSHIP MEETING	Osaka / Samarkand
19:00–20:00		SNRN MENTORSHIP EVENING EVENT	Foyer (Level 2)

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Friday, August 23

08:00–12:00 **SPEAKER READY ROOM**
09:00–15:30 **REGISTRATION**
10:30–11:00 **COFFEE BREAK**
12:30–13:30 **LUNCH**

07:15–08:30		ISEE COUNCIL MEETING	Hong Kong
07:45–08:30	T-4-01	PROMOTION OF AIR POLLUTION & HEALTH RESEARCH TO INFLUENCE POLICY Lecturer: Nino Kuenzli	Boston
07:45–08:30	T-4-02	VOLATILE ORGANIC COMPOUNDS (VOCs) AND SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) IN BUILDING MATERIALS AND CONSUMER PRODUCTS: PREDICTING EMISSIONS AND ESTIMATING EXPOSURE Lecturer: John C. Little	Shanghai
07:45–08:30	T-4-03	THE PRINCIPLES OF MIXED LINEAR REGRESSION MODELS: AN INTRODUCTION Lecturer: Martin Rösli	Kairo
08:45–10:30	F-4-04	PLENARY SESSION HOSTED BY THE INTERNATIONAL SOCIETY OF EXPOSURE SCIENCES (ISES) Exposure Science: Building Capacity in Developing Regions & the Wesolowski Award Lecture (more details on p. 25) Chair(s): Richard Fenske; Discussants: David Balshaw, Kalpana Balakrishnan, Paloma Beamer	San Francisco
	F-4-04-01	WELCOME ADDRESS BY THE SWISS LUNG ASSOCIATION <i>Sonja Bietenhard*</i>	
	F-4-04-02	Exposure Science: Wesolowski Award Lecture and Panel's Response to Lecture <i>Clifford Weisel*, David Balshaw*, Kalpana Balakrishnan*, Paloma Beamer*</i>	
11:00–12:30	O-4-05	HOUSEHOLD AIR POLLUTION AND NCDS Chair(s): Kalpana Balakrishnan, Paul Fischer	San Francisco
	O-4-05-01	Characterizing household air pollution exposures and cardiovascular risk in rural Chinese women <i>Jill Baumgartner*, Ming Shan, Majid Ezzati, Emma Coady, Xudong Yang</i>	
	O-4-05-02	Household air pollution from biomass combustion and measures of systemic inflammation among Nicaraguan women <i>Maggie L. Clark*, Annette M. Bachand, Judy M. Heiderscheidt, Bevin Luna, Stephen J. Reynolds, Kirsten A. Koehler, John Volckens, David Diaz-Sanchez, Jacqueline D. Carter, Lucas M. Neas, Jennifer L. Peel</i>	
	O-4-05-03	Concentrations of Urinary 8-Hydroxy-2'-deoxyguanosine and 8-isoprostane in Women Exposed to Woodsmoke in a Cookstove Intervention Study in San Marcos, Peru <i>Adwoa Commodore, Junfeng Zhang*, Yan Chang, Stella Hartinger Pena, Claudio Lanata, Daniel Mäusezahl, Daniel Hall, Manuel Aguilar-Villalobos, John Vena, Jia-Sheng Wang, Luke P Naeher</i>	
	O-4-05-04	Experimental Results for Fine and Ultrafine Particles Measured in Cooking Activities <i>Wayne Ott*, Lance Wallace</i>	
	O-4-05-05	10 years of research on woodstove emissions and exposure in New Zealand – a review <i>Ian Longley*, Guy Coulson, Elizabeth Somervell, Emily Wilton</i>	
11:00–12:30	S-4-06	HEALTH AND CLIMATE CHANGE: RESEARCH TO MOTIVATE POLICY ACTION Chair(s): Bettina Menne, Laura Perez	Montreal
	S-4-06-01	Health in the New Scenarios for Climate Change Research <i>Kristie Ebi*</i>	

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- S-4-06-02 The public health impacts of climate change in Macedonia
Vladimir Kendrovski, Margarita Spasenovska, Bettina Menne*
- S-4-06-03 Using integrated human, animal, environment and climate infectious disease surveillance to anticipate risks and response
*Jan Semenza**
- S-4-06-04 Identifying susceptible populations for public health action. Results from the PHASE project.
Paola Michelozzi, Francesca de Donato, Bertil Forsberg, Klea Katsouyanni, Isabella Annesi-Maesano, Virginia Murray, Bettina Menne, PHASE collaborative Group*
- S-4-06-05 2893: Global Climate Change and Health- Building bridges between science and practice
*Bettina Menne**

11:00–12:30 O-4-07 **REPRODUCTIVE EFFECTS OF AIR POLLUTION 2** Sydney
Chair(s): Mariana Guimarães, Radim Sram

- O-4-07-01 Resource Extraction and Infant Health: Evidence from Colorado
*Elaine Hill**
- O-4-07-02 BIRTH OUTCOMES, BIOMARKERS OF OXIDATIVE STRESS AND EXPOSURES TO OXIDES OF NITROGEN: FINDINGS FROM A BIRTH COHORT PILOT
Rajen Nithiseelan Naidoo, Anil Chuturgoon, Poovendhree Reddy, Kareshma Ramcharan, Sheena Muttou, Frederick Feldman*
- O-4-07-03 Ambient Fine Particulate Matter, Nitrogen Dioxide, and Term Birth Weight in New York City
David Savitz, Jennifer Bobb, Jane Clougherty, Francesca Dominici, Beth Elston, Kazuhiko Ito, Zev Ross, Thomas Matte*
- O-4-07-04 Increases in Birth Weight Associated With the 2008 Beijing Olympic Air Pollution Reduction: Results from a Natural Experiment
David Q Rich, Jinliang Zhang, Sally Thurston, Timothy Stevens, Pan Ying, Kaibo Lu, Pamela OhmanStrickland, Barry Weinberger, Tracey Woodruff, Xiaoli Duan, Junfeng Zhang*
- O-4-07-05 Vanadium biomonitoring and semen quality in a volcanic area (Mt. Etna): a cross – sectional study
*Maria Altomare, Caterina Ledda, Stefania Di Mauro, Giovanni Arena, Chiara Copat, Aldo E. Calogero, Enzo Vicari, Maria Fiore, Filippo Giaccone, Margherita Ferrante**
- O-4-07-06 Neighborhood environment and oral clefts: An assessment of air toxics and neighborhood-based socioeconomic position
Philip Lupo, Elaine Symanski, Peter Langlois, Michael Swartz, Yi Cai, Wenyaw Chan*

11:00–12:30 O-4-08 **ORGANIC POLLUTANTS AND GROWTH** Singapore
Chair(s): Marcy Warner, Mildred Maisonet

- O-4-08-01 Urine Bisphenol-A Level in Relation to Obesity and Overweight in School-age Children
DeKun Li, Maohua Miao, Zhijun Zhou, Chunhua Wu, Huijing Shi, Xiaoqin Liu, Siqi Wang, Wei Yuan*
- O-4-08-02 Prenatal exposure to chlordecone in Guadeloupe and child growth
Nathalie Costet, Florence Rouget, Philippe Kadhel, Christine Monfort, Jean-Pierre Thomé, Henri Bataille, Luc Multigner, Sylvaine Cordier*
- O-4-08-03 In Utero DDT Exposure and Obesity and Metabolic Syndrome in Children of Farmworkers
Marcella Warner, Amelia Wesselink, Kim Harley, Asa Bradman, Katherine Kogut, Dana Boyd Barr, Brenda Eskenazi*
- O-4-08-04 Prenatal Bisphenol A Urine Concentrations and Early Rapid Growth and Overweight Risk in the First Years of Life
Damaskini Valvi, Maribel Casas, Michelle A Mendez, Ana Ballesteros-Gómez, Noelia Luque, Soledad Rubio, Jordi Sunyer, Martine Vrijheid*
- O-4-08-05 In utero and peripubertal exposures to endocrine disrupting compounds on weight status and fat distribution at 8-13 years
Tiffany Yang, John D. Meeker, Karen E. Peterson, Zhenzhen Zhang, Brisa N. Sánchez, Alejandra Cantoral Preciado, Martha Maria Tellez-Rojo Solis*
- O-4-08-06 Prenatal Exposure to persistent organochlorine compounds and offspring anthropometry: A prospective study with 20 years of follow-up
Thorhallur Ingi Halldorsson, Panu Rantakokko, Dorte Rytter, Tine Brink Henriksen, Bodil Hammer Bech, Hannu Kiviranta, Sjurdur Frodi Olsen*

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11:00–12:30	O-4-09	GREEN SPACE Chair(s): Paul J Villeneuve, Luc Int Panis	Osaka / Samarkand
	O-4-09-01	Green space and all-cause mortality in the Netherlands <i>Hanneke Kruize*, Caroline Ameling, Marten Marra, Wim Swart, Oscar Breugelmans, Danny Houthuijs, Paul Fischer, Nicole Janssen</i>	
	O-4-09-02	Buffering Effect of Residential Surrounding Greenness and Roadside Trees on the Association between Residential Proximity to Roads and Term Low Birth Weight <i>Payam Dadvand*, Bart Ostro, Margarita Triguero-Mas, Xavier Basagaña, Francesc Figueras, Antònia Valentín, David Martínez, Michael Jerrett, Mark J Nieuwenhuijsen</i>	
	O-4-09-03	The influence of urban green space on mental health in Auckland, New Zealand <i>Simon Kingham*, Daniel Nutsford, Amber Pearson</i>	
	O-4-09-04	Use of Green Spaces and Behavioral Indicators of Neurodevelopment in Schoolchildren <i>Elmira Amoly*, Payam Dadvand, Joan Forn, Mònica López Vicente, Marta Cirach, Mar Álvarez Pedrerol, Jordi Julvez, Mark J Nieuwenhuijsen, Jordi Sunyer</i>	
	O-4-09-05	Spatial relation between greenness and student performance in five cities of Massachusetts <i>J. G Cedeno-Laurent*, Chih-Da Wu, Eileen McNeely, Gary Adamkiewicz, Shih-Chun Candice Lung, Francesca Dominici, John D. Spengler</i>	
	O-4-09-06	Associations between urban form and mortality rates in England and Wales <i>Daniela Fecht*, Lea Fortunato, Anna Hansell</i>	
11:00–12:30	S-4-10	CHILDHOOD OBESITY AND THE ENVIRONMENT Chair(s): Kimberly Gray, Gwen Collman	Rio
	S-4-10-01	Association of in utero and peripubertal EDC exposures with measures of metabolic syndrome risk <i>Karen E. Peterson*, Karen E. Peterson, Adrienne Ettinger, Tiffany Yang, John D. Meeker, Brisa N. Sánchez, Joyce Lee, Dana Dolinoy, Howard Hu, Martha Maria Tellez-Rojo Solis</i>	
	S-4-10-02	Childhood Obesity and the Environment: Insights from the Puberty Studies of the NIEHS/NCI Breast Cancer and the Environment Research Program <i>Lawrence H Kushi*, Frank M. Biro, Mary Wolf</i>	
	S-4-10-03	Environmental endocrine disruptors, growth and pubertal development in Mexican-American girls <i>Brenda Eskenazi*, Kim Harley, Marcy Warner, Asa Bradman, Nina Holland</i>	
	S-4-10-04	Prenatal exposures to polycyclic aromatic hydrocarbons and di-(2-ethylhexyl)-phthalate and body size in childhood. <i>Andrew Rundle*, Michelle Maresca, Lori Hoepner, Antonia M. Calafat, Frederica Perera, Robin Whyatt</i>	
11:00–12:30	O-4-11	PESTICIDE 1 Chair(s): Fatima Hamad, John Nuckols	Boston
	O-4-11-01	Study of liver health hazards in pesticides sprayers and the role of antioxidants supplementation <i>Amal Saad-Hussein*, Fathy Abdelgelil, Karima El-Shamy, Madyha Mahmoud</i>	
	O-4-11-02	Atmospheric measurements and modeling of pesticides drift to communities adjacent to agricultural fields <i>Ohad Zivan*, Michal Segal Rosenheimer, Yael Dobowski</i>	
	O-4-11-03	Telomere shortening among male applicators in the Agricultural Health Study <i>Lifang Hou*, Gabriella Andreotti, Sharon Savage, Jane Hoppin, Dale Sandler, Andrea A Baccarelli, Stella Koutros, Laura Beane Freeman, Michael Alavanja</i>	
	O-4-11-04	Cancer risk due to pesticide use in Europe <i>Denis Sarigiannis*, Periklis Kontoroupi, Ermioni Solomou, Spyridoula Nikolaki, Anastasios Karabelas</i>	
	O-4-11-05	Pesticide exposure and suicidal ideation in rural communities of Wardha district of Central India. <i>Prakash Behere*, Anweshak Das Das, Manikyamba Behere</i>	
	O-4-11-06	Occupational and Prostate Cancer Risk <i>Fatima Hamad*</i>	

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11:00–12:30	O-4-12	DIETARY EXPOSURES IN PREGNANCY AND BIRTH OUTCOMES Chair(s): Konstantinos C. Makris, Berrin Serdar	Shanghai
	O-4-12-01	Maternal dioxin-dietary patterns, prenatal exposure to dioxins and dioxin-like compounds, and birth outcomes in a European Mother-Child Study (NewGeneris) <i>Eleni Papadopoulou*, Marina Vafeiadi, Maria Botsivali, Marie Pedersen, Harrie Besselink, Leda Chatzi, Kristine B Gutzkow, Lisbeth E Knudsen, Laura J Hardie, Manolis Kogevinas, Margaretha Haugen</i>	
	O-4-12-02	Prospective Study of Maternal and Infant Consumption of Probiotic Milk and Allergic Disease: The Norwegian Mother and Child Cohort <i>Randi Bertelsen*, Anne Lise Brantsæter, Maria Christine Magnus, Margaretha Haugen, Ronny Myhre, Bo Jacobsson, Matthew Longnecker, Helle Margrete Meltzer, Stephanie J. London</i>	
	O-4-12-03	Urban Food Environment: Prenatal Fast Food Increases Risks for the Development of Asthma in Childhood <i>Ondine von Ehrenstein*, Marie Flores, Hilary Aralis, Beate Ritz</i>	
	O-4-12-04	DESCRIPTION OF THE INTAKE PATTERN OF FOODS CONTAINING GENOTOXIC COMPOUNDS BY MEXICAN PREGNANT WOMEN <i>Marisol Castillo-Castrejon*, Lauren Bylsma, Adriana Castañon-Figueroa, Miatta Buxton, Marie S O' Neill, Felipe Vadillo-Ortega</i>	
	O-4-12-05	MATERNAL, DIETARY AND ENVIRONMENTAL PREDICTORS OF BULKY DNA ADDUCTS IN CORD BLOOD: A EUROPEAN MOTHER-CHILD STUDY (NEWGENERIS). <i>Marie Pedersen*, Michelle A Mendez, Bernadette Schoket, Roger W Godschalk, Lisbeth E Knudsen, Gunnar Brunborg, Laura J Hardie, Leda Chatzi, Jos C Kleinjans</i>	
	O-4-12-06	Maternal seafood consumption and respiratory and allergic outcomes in preschool children. <i>Fabienne Pelé*, Emma Bajoux, Hélène Gendron, Christine Monfort, Florence Rouget, Luc Multigner, JeanFrançois Viel, Sylvaine Cordier</i>	
11:00–12:30	S-4-13	THE APPLICATIONS OF SATELLITE REMOTE SENSING IN AIR POLLUTION EXPOSURE MODELLING AND EPIDEMIOLOGY Chair(s): Yang Liu, Aaron J. Cohen	Kairo
	S-4-13-01	Combining Satellite Remote Sensing with Land Use Regression to Estimate Exposure to PM _{2.5} for Epidemiology Studies <i>Joel D. Schwartz*</i>	
	S-4-13-02	Comparing Remote Sensing, Atmospheric Chemistry and Ground-based Estimates of Fine Particulate Matter on Survival <i>Michael Jerrett*, Michelle Turner, Bernardo S. Beckerman, Arden Pope, Randall V. Martin, Marc Serre, Susan M. Gapstur, Daniel Krewski, Ryan Diver, George Thurston, Aaron van Donkelaar</i>	
	S-4-13-03	Monitoring Particulate Pollution from Space: Current State of the Science <i>Yang Liu*, Aaron J. Cohen</i>	
	S-4-13-04	Remote sensing approaches to estimate air pollution exposure for disease burden and epidemiology <i>Michael Brauer*, Randall V. Martin, Aaron van Donkelaar, Dan Crouse, Sarah B. Henderson, Jiayun Yao, Richard T. Burnett, Perry Hystad</i>	
	S-4-13-05	Satellite-based Estimates of Ambient Particulate Matter and Nitrogen Dioxide: Associations with World-Wide Estimates of Childhood Asthma Prevalence <i>H. Ross Anderson*, Barbara K Butland</i>	
	S-4-13-06	The Application of Satellite Remote Sensing Data in a Time Series Study of Asthma Exacerbation in Metro Atlanta <i>Mitch Klein, Xuefei Hu, Matthew Strickland, Stefanie Sarnat*, Paige Tolbert, Yang Liu</i>	
11:00–12:30	O-4-14	AIR POLLUTION AND CHILDREN'S HEALTH Chair(s): Susan Viet	Delhi
	O-4-14-01	Children's blood pressure in association with exposure to ultrafine particulate air pollution at school <i>Nicky Pieters*, Gudrun Koppen, Michelle Plusquin, Sofie De Prins, Bianca Cox, Vera Nelen, Luc Int Panis, Greet Schoeters, Martine Van Poppel, Tim S. Nawrot</i>	

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	O-4-14-02	GLM MODELING OF THE RELATIONSHIP OF AIR POLLUTANTS TO CHILDHOOD AND ADULT RESPIRATORY DISEASES, BASED ON PRIMARY ACUTE VISITS BY HMO MEMBERS, 1998-2008 <i>Dennis Tolsma, Amber Sinclair*</i>	
	O-4-14-03	ASTHMA SYMPTOMS AND METAL COMPOSITION OF FINE PARTICLE AIR POLLUTION. PANEL STUDY IN CHILDREN LIVING IN THE MILAZZO-VALLE DEL MELA (ITALY) HIGH-RISK AREA <i>Annibale Biggeri*, Dolores Catelan, Gaetano Dongarrà, Daniela Varrica, Daniele Grechi, Franca Rusconi, Riccardo Pistelli, Fabio Barbone, Neil Pearce</i>	
	O-4-14-04	Non-anthropogenic Dust exposure and Asthma Symptoms in Children <i>Maayan Yitshak-Sade*, Itzhak Katra, Rafael Gorodischer, Lena Novack, Victor Novack</i>	
	O-4-14-05	Health effects of the 2012 Valencia (Spain) wildfires on children in a cohort study <i>Ana M. Vicedo-Cabrera*, Ana Esplugues, Carmen Iñiguez, Marisa Estarlich, Ferran Ballester</i>	
	O-4-14-06	RISK OF ASTHMATIC MORBIDITY IN CHILDREN EXPOSED TO SULFUR DIOXIDE INDUSTRIAL EMISSIONS <i>Arina Petrosian*, Olena Turos, Oksana Ananyeva, Vasyl Zagorodniy, Ludmyla Chernenko</i>	
11:00-12:30	O-4-15	EXPOSURE TO METALS AND NEURODEVELOPMENT Chair(s): Nisha Naicker, Jennifer Weuve	Helvetia 1
	O-4-15-01	Neurobehavioral function and low-level metal exposure in adolescents: suggestive evidence of an association between blood copper and attention <i>Michal Kicinski*, Jan Vrijens, Griet Vermier, Elly Den Hond, Greet Schoeters, Vera Nelen, Liesbeth Bruckers, Isabelle Sioen, Willy Baeyens, Nicolas Van Larebeke, Tim S. Nawrot</i>	
	O-4-15-02	Prenatal exposure to multiple metals and associations with neurodevelopment <i>Birgit Claus Henn*, David C. Bellinger, Maitreyi Mazumdar, Brent A. Coull, Linda Valeri, Rebecca Jim, David C. Christiani, Robert O. Wright</i>	
	O-4-15-03	Se protects neonates against neurotoxicity from prenatal Mn exposure <i>Xiaodan Yu*</i>	
	O-4-15-04	Genetic predisposition to mercury-associated cognitive deficit at age 8 years in the ALSPAC cohort <i>Philippe Grandjean*, Jordi Julvez, Sue Ring, George Davey-Smith</i>	
	O-4-15-05	METAL MIXTURES EXPOSURE AND CHILD NEURODEVELOPMENT: EVIDENCE FROM RURAL BANGLADESH <i>Linda Valeri*, Brent A. Coull, Birgit Claus Henn, Molly Kile, Omar Sharif Ibn Hasan, Golam Mostofa, Quazi Quamruzzaman, David C. Christiani, David C. Bellinger, Robert Wright, Maitreyi Mazumdar</i>	
	O-4-15-06	Risks from chemical and non-chemical stressors associated with attention deficit hyperactivity disorder (ADHD)-like behavior using structural equation models <i>M. Patricia Fabian*, Susan A. Korrick, Junenette Peters, Jonathan Levy</i>	
11:00-12:30	O-4-16	HOUSEHOLD AIR POLLUTION AND RISK ASSESSMENT Chair(s): Markey Johnson, Klea Katsouyanni	Helvetia 2
	O-4-16-01	Scaling housing interventions for wood-burning stoves worldwide <i>Ricardo Luis Teles de Carvalho*, Ole Michael Jensen, Luis Antonio da Cruz Tarelho, Adeildo Cabral da Silva</i>	
	O-4-16-02	Indoor Air Pollution Due to Fireworks during Diwali Festival and its Human Health Effects in Lucknow, India <i>Alfred Lawrence*, Nishat Fatima</i>	
	O-4-16-03	Correlation of symptoms of sick-building syndrome to chemical and odor concentration levels <i>Hiroko Nakaoka*, Emiko Todaka, Hiroshi Seto, Ikue Saito, Masamichi Hanazato, Masahiro Watanabe, Chisato Mori</i>	
	O-4-16-04	Performances of Several Approaches Handling Large Amounts of Missing Data in Environmental Epidemiological Studies <i>Céline Roda*, Ioannis Nicolis, Chantal Guihenneuc-Jouyau, Isabelle Momas</i>	
	O-4-16-05	Dampness-Related Indoor Chemical Mixture and Allergic Disease Risk <i>Hyunok Choi*, Samuel Byrne, Norbert Schmidbauer, John D. Spengler, Carl-Gustaf Bornehag</i>	

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	O-4-16-06	Community-based Participatory Research Intervention to Reduce the Exposure to Environmental Asthma Triggers and Severity of Asthma among Asthmatic Children in H <i>Tomas Tamulis*, Dmitry Krupitsky</i>	
11:00–12:30	O-4-17	NOISE AND HEALTH Chair(s): Sørensen Mette, Dorothee Twardella	Helvetia 3-5
	O-4-17-01	Aircraft noise and health: is Lden the proper indicator to describe the relationship? <i>Oscar Breugelmans*, Danny Houthuijs, Wim Swart, Klaasjan Hajema, Roel Hogenhuis, Ric van Poll</i>	
	O-4-17-02	Aircraft noise and metabolic outcomes <i>Charlotta Eriksson*, Agneta Hilding, Andrei Pyko, Gösta Bluhm, Göran Pershagen, Claes-Göran Östenson</i>	
	O-4-17-03	Noise Exposure in Gothenburg from 1975 to 2010 <i>Mikael Ögren*, Lars Barregård, Peter Molnar</i>	
	O-4-17-04	Joint effects of road-traffic and occupational noise and low job control on myocardial infarction risk among women <i>Vilija Malinauskiene*, Abdonas Tamosiunas</i>	
	O-4-17-05	The prevalence of noise-induced hearing threshold shifts in adolescents: The Ohrkan-study <i>Dorothee Twardella*, Carmelo Perez-Alvarez, Thomas Steffens, Angelika Zirngibl, Gabriele Bolte, Hermann Fromme, Ulla Raab</i>	
	O-4-17-06	The impact of aircraft noise on the health of population living near six Italian airports <i>Carla Ancona*, Francesca Mataloni, Sera Study Team</i>	
13:30–15:00	O-4-18	HOT TOPICS Chair(s): Beate Ritz, Kees de Hoogh	San Francisco
	O-4-18-01	Thyroid Cancer under 19 years old in Fukushima, Japan <i>Toshihide Tsuda*, Eiji Yamamoto, Etsuji Suzuki</i>	
	O-4-18-02	Gene-environment interaction and acute childhood bronchitis <i>Rakesh Ghosh*, Jan Topinka, Jesse Joad, Mirek Dostal, Radim Sram, Irva Hertz-Picciotto</i>	
	O-4-18-03	Childhood cancer and exposure to heavily trafficked roads: a nationwide cohort study <i>Ben D Spycher*, Martin Feller, Roland A. Ammann, Manuel Diezi, Martin Rössli, Matthias Egger, Claudia E. Kuehni</i>	
	O-4-18-04	Incidence of Asthma and Outdoor Ambient Air Pollutants: A Population-Based Birth Cohort Study <i>Audrey Smargiassi*</i>	
	O-4-18-05	Particle and noise exposure of highway maintenance workers: short-term effects on indicators of cardiovascular health <i>Reto Meier*, Wayne E. Cascio, Andrew Ghio</i>	
	O-4-18-06	Vehicle exhaust level at home and incidence of diagnosed dementia <i>Bertil Forsberg*, Nina Lind, Lars Modig, Maria Nordin, Steven Nordin, Anna Oudin, Lars-Göran Nilsson</i>	
13:30–15:00	O-4-19	CLIMATE CHANGE AND INFECTION DISEASES Chair(s): Jürg Utzinger, Wenbiao Hu	Montreal
	O-4-19-01	The impacts of wether variability and imported dengue cases on incidence of autochthonous dengue in Cairns, Australia <i>Xiaodong Huang, Gail Williams*, Archie Clements, Wenbiao Hu</i>	
	O-4-19-02	Implications of Climate Change Induced Temperature Rise on Food and Waterborne Diseases and Heat-Related Mortality <i>Mutasem El-Fadel*, Sophia Ghanimeh, Rania Maroun</i>	
	O-4-19-03	The effect of climate variables on the risk of dengue incidence in Singapore: A temporal analysis for the period 2000-2012 <i>Kavitha Palaniappan*, Santu Ghosh</i>	
	O-4-19-04	Can climatic factors explain hantavirus incidence variation in Belgium? <i>Indra Linina*, Nicolas Berger</i>	
	O-4-19-05	The use of classification and regress tree to predict incidences of dengue in relation to climatic variables and imported dengue cases in Cairns, Australia <i>Wenbiao Hu*, Archie Clements, Gail Williams, Shilu Tong</i>	

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	O-4-19-06	Projecting the impact of climate change on dengue transmission <i>Shahera Banu*, Wenbiao Hu, Yuming Guo, Cameron Hurst, Shilu Tong</i>	
13:30–15:00	O-4-20	REPRODUCTIVE EFFECTS OF AIR POLLUTION 1 Chair(s): Brenda Eskenazi, Shu-Li Wang	Sydney
	O-4-20-01	Air Pollution and Preterm Premature Rupture of Membranes: A Spatiotemporal Analysis <i>Payam Dadvand*, Xavier Basagaña, Francesc Figueras, David Martínez, Rob Beelen, Marta Cirach, Audrey de Nazelle, Gerard Hoek, Bert Brunekreef, Bart Ostro, Mark J Nieuwenhuijsen</i>	
	O-4-20-02	Work as a street vendor and risk of adverse pregnancy outcomes in Accra, Ghana <i>Adeladza Amegah*, Jouni Jaakkola</i>	
	O-4-20-03	Preeclampsia and exposure to ozone and particles in Los Angeles County, California <i>Olivier Laurent*, Jun Wu, Lianfa Li, Jianlin Hu, Myles Cockburn, Mike Kleeman</i>	
	O-4-20-04	BIRTH WEIGHT, HEAD CIRCUMFERENCE AND EXPOSURE TO AMBIENT AIR POLLUTION DURING PREGNANCY: A EUROPEAN COHORT STUDY (ESCAPE) <i>Marie Pedersen*, Lise Giorgis-Allemand, Mark J Nieuwenhuijsen, Göran Pershagen, Ulrike Gehring, Bert Brunekreef, Manolis Kogevinas, Rémy Slama</i>	
13:30–15:00	O-4-21	AIR POLLUTION AND CARDIOVASCULAR DISEASES 2 Chair(s): Gerard Hoek, Regina Hampel	Singapore
	O-4-21-01	Short-term associations between sources of particulate matter pollution and emergency hospital admissions in Hong Kong <i>Vivian C. Pun*, Zibing Yuan, Kin-fai Ho, Hong Qiu, Ignatius T. S. Yu, Linwei Tian</i>	
	O-4-21-02	Associations between long-term exposure to particulate matter constituents and the incidence of coronary events in European cohorts <i>Kathrin Wolf*, Massimo Stafoggia, The ESCAPE cardiovascular working group*, Annette Peters, Francesco Forastiere</i>	
	O-4-21-03	Short-term exposure to air pollution and digital vascular function in the Framingham Heart Study <i>Petter L. Ljungman*, Elissa Wilker, Mary B. Rice, Joel D. Schwartz, Diane R. Gold, Petros Koutrakis, Emelia Benjamin, Joseph Vita, Gary Mitchell, Murray A. Mittleman</i>	
	O-4-21-04	Long-term exposure to air pollution and incidence coronary and cerebrovascular events in the Rome Longitudinal Study <i>Giulia Cesaroni*, Chiara Badaloni, Claudio Gariazzo, Massimo Stafoggia, Roberto Sozzi, Marina Davoli, Francesco Forastiere</i>	
	O-4-21-05	Ambient Particulate Matter (PM) and Stroke: a Review and Meta-analysis <i>Yi Wang*, Melissa Eliot, Gregory A. Wellenius</i>	
	O-4-21-06	Cumulative Health Impacts of Air Quality and Social Vulnerability on Cardiopulmonary Health: Results from the Survey of the Health of Wisconsin <i>Kristen C. Malecki*, Lynne Morgan, Javier Nieto, Thomas Burke</i>	
13:30–15:00	O-4-22	AIR POLLUTION AND QUALITY OF LIFE Chair(s): Sylvia Medina	Osaka / Samarkand
	O-4-22-01	Formaldehyde in the ambient atmosphere – from an indoor pollutant to an outdoor pollutant? <i>Tunga Salthammer*</i>	
	O-4-22-02	The AGÖF-VOC Database (2002–2012) <i>Heidrun Hofmann*, Michael Köhler, Andreas Müller, Jörg Mertens, Ulrike Siemers, Norbert Weis</i>	
	O-4-22-03	Personal control over indoor climate and it's impact on comfort, health and performance of office workers <i>Atze Boerstra*, Marcel G.L.C. Loomans, Jan L.M. Hensen</i>	
	O-4-22-04	"We are used to this": Perceptions of slum residents on air pollution <i>Kanyiva Muindi*, Thaddaeus Egondi, Joacim Rocklöv, Elizabeth Kimani, Remare Ettarh, Nawi Ng</i>	
	O-4-22-05	Effect of indoor musty smell as a surrogate of housing inequalities on poor well-being: US NHANES, 20052006	
	O-4-22-06	On-site data collection of environmental attributes and subject data using OpenDataKit/Formhub opensource software for Android mobile devices <i>Thomas Götschi*</i>	

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13:30–15:00	O-4-23	PESTICIDE 2 Chair(s): David F Goldsmith, Jennifer Lantz	Boston
	O-4-23-01	The impact of a historical conservation methods for the preservation of entomological collections <i>John Havermans*, Rene Dekker, Richard Correl</i>	
	O-4-23-02	Grasping the Blue Bags; A Qualitative Study of Perceptions on the Continuous Use of Chlorpyrifos-Treated Bags in Plantain Production <i>Carlijn Wentink*, Berna van Wendel de Joode</i>	
	O-4-23-03	IN UTERO ORGANOPHOSPHATE EXPOSURE ASSOCIATED WITH RESPIRATORY SYMPTOMS IN CHILDREN IN THE CHAMACOS COHORT <i>Rachel Raanan*, John R. Balmes, Kim Harley, Asa Bradman, Nina Holland, Michelle Vedar, Mark Miller, Brenda Eskenazi</i>	
	O-4-23-04	mSpray: Using cell-phone technology to monitor population exposure to pesticides used for malaria control <i>Edmund Seto*, Lesliam Quiros-Alcala, Jonah Lipsitt, Lemuel Wu, Philip Kruger, Tsundzukani Ntimbane, Burnie Nawn, Riana Bornman, Brenda Eskenazi</i>	
	O-4-23-05	Gaps in pesticide-related beliefs and perceived risks of farmer's and their information sources <i>Chitra Grace A.*, Vangal R Muralaeddharan</i>	
	O-4-23-06	SIGEXPO project: pesticides exposure level in the french context: burden of environmental exposures and domestic habits <i>Rémi Béranger*, Jeffrey Blain, Elise Billoir, Marie-Laure Bayle, John R. Nuckols, Joachim Schüz, Bruno Combourieu, Béatrice Fervers</i>	
13:30–15:00	O-4-24	FOOD RELATED EXPOSURES includes ethics talk (e*) Chair(s): Heiko Käfferlein	Shanghai
	O-4-24-01	Free and total levels of estrogenic mycotoxins in girls in California and New Jersey <i>Elisa Bandera*, Urmila Chandran, Brian Buckley, Min Liu, Anousheh Mirabedi, Gayle Windham, Lawrence H Kushi</i>	
	O-4-24-02	Association of Urinary Arsenic Species with Diet in a Representative Sample of the United States Population 2003 – 2010 <i>Rey Decastro*, Kathleen Caldwell, Robert Jones, Benjamin Blount, Yi Pan, Cynthia Ward, Mary Mortensen</i>	
	O-4-24-03	Quantitative Analysis of Neonicotinoid Insecticides in Foods– Implications of Dietary Intakes in Children <i>Chensheng Lu*, Mei Chen, Erin Collins, Lin Tao</i>	
	O-4-24-04	Food Commodity Consumption Data and New Tools used by US EPA's Office of Pesticide Programs <i>David Miller*</i>	
	O-4-24-05	A Probabilistic Exposure Model for Food Packaging Migrants <i>Cian O' Mahony*</i>	
	O-4-24-06	Linkages between agriculture, environment and diseases of poverty (e*) <i>Jutta Lindert*</i>	
13:30–15:00	O-4-25	AIR POLLUTION EXPOSURE MODELING Chair(s): Danielle Vienneau, Wei Huang	Kairo
	O-4-25-01	Comparative performance of Four Statistical Models for predicting PM2.5 from Satellite Data <i>Meytar Sorek-Hamer, Anthony Strawa, Robert Chatfield, Robert Esswein, Petros Koutrakis, Ayala Cohen, David M. Broday*</i>	
	O-4-25-02	The association of LUR models for the elemental composition of PM2.5 with personal exposure <i>Denise Montagne*, Gerard Hoek, Mark J Nieuwenhuijsen, Timo Lanki, Meritxell Portella, Arto Pennanen, Marloes Eeftens, Tarja Yli-Tuomi, Marta Cirach Pradas, Bert Brunekreef</i>	
	O-4-25-03	Global simulations of carbonaceous aerosols and their inter-continental transport: sensitivities to aging scheme <i>Shiliang Wu*</i>	

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	O-4-25-04	Spatial variation of fine particle vanadium and ship emissions in New York City <i>Kazuhiko Ito*, Iyad Kheirbek, Sarah Johnson, Grant Pezeshki, Zev Ross, Holger Eisl, Thomas Matte</i>	
	O-4-25-05	Spatially-Resolved Source Impact Estimates for Air Quality Health Risk Assessment <i>Xinxin Zhai, Cesunica Ivey, Sheila Sororian, Mariel Friberg, Heather Holmes, Yongtao Hu, Armistead Russell*, James Mulholland, Howard Chang, Matthew Stirckland, Wenxian Zhang</i>	
	O-4-25-06	Estimating seasonal and spatial variability of particulate matter and sulfur dioxide concentrations by land use regression in Tehran, Iran <i>Hassan Amini*, Seyed Mahmood Taghavi Shahri, Sarah B. Henderson, Kazem Naddafi, Ramin Nabizadeh, Masud Yunesian</i>	
13:30–15:00	O-4-26	HEALTH EFFECTS FROM ORGANIC POLLUTANTS Chair(s): FitzGerald Rex, Béatrice Fervers	Delhi
	O-4-26-01	A comparison of PBDEs, PCBs, OH-PBDEs, and OH-PCB concentrations in paired human samples of maternal serum and fetal liver during mid-gestation <i>Ami Zota*, Linda Linderholm, June-Soo Park, Tan Guo, Myrto Petreas, R. Thomas Zoeller, Martin Privalsky, Darcy Tarrant, Tracey Woodruff</i>	
	O-4-26-02	Associations between blood persistent organic pollutants and 25-hydroxyvitamin D3 in pregnancy <i>Eva Morales*, Mireia Gascón, David Martínez, Maribel Casas, Ferran Ballester, Clara L. Rodríguez-Bernal, Jesús Ibarlucea, Loreto Santa Marina, Esther Vizcaino, Joan O. Grimalt, Jordi Sunyer</i>	
	O-4-26-03	Serum levels of perfluoroalkyl acids in mothers and infants: transplacental and lactational transfer from the mother <i>Tony Fletcher*, Debapriya Mondal, Rosana Weldon, Brenda Eskenazi</i>	
	O-4-26-04	Persistent Organochlorines and Hypertensive Disorders of Pregnancy <i>David Savitz*, Gregory A. Wellenius, Mark Klebanoff, Elizabeth Jensen, Matthew Longnecker</i>	
	O-4-26-05	Associations between urinary phthalate metabolites and biomarkers of inflammation and oxidative stress in pregnant women <i>Kelly K. Ferguson*, Bhramar Mukherjee, Thomas McElrath, John D. Meeker</i>	
13:30–15:00	O-4-27	SECONDHAND TOBACCO SMOKE Chair(s): Ana Navas-Acien, Sarah Rajkumar	Helvetia 2
	O-4-27-01	Impact of a stepwise introduction of smoke-free legislation on the rate of preterm births: analysis of routinely collected birth data <i>Bianca Cox, Evelyne Martens, Benoît Nemery, Vangronsveld Jaco, Tim S. Nawrot*</i>	
	O-4-27-02	THE EFFECT OF A SMOKING BAN INTRODUCTION ON EXPOSURE AND CARDIO-RESPIRATORY HEALTH IN SWISS HOSPITALITY WORKERS <i>Sarah Rajkumar*, Cong Khanh Huynh, Georg Bauer, Daiana Stolz, Alexander Möller, Jürg Hammer, Gregory A. Wellenius, Arno Schmidt-Trucksäss, Martin Röösli</i>	
	O-4-27-03	Kidney function and tobacco smoke exposure in US adolescents <i>Esther Garcia-Esquinas*, Lauren F. Loeffler, Virginia M. Weaver, Jeffrey J. Fadrowski, Ana Navas-Acien</i>	
	O-4-27-04	Obesogenic Effects of Exposure to Tobacco Smoke and Air Pollution in Children <i>Robert McConnell*, Ernest Shen, Frank Gilliland, Michael Jerrett, Jennifer Wolch, Chieh Chieh Chang, Frederick Lurmann, Kiros Berhane</i>	
	O-4-27-05	The Synergistic Effect of Heredity and Exposure to Second-hand Smoke on Adult-onset Asthma <i>Taina K. Lajunen*, Jouni Jaakkola, Maritta S. Jaakkola</i>	
	O-4-27-06	Effect modification by dietary fiber on the association between secondhand smoke and coronary heart disease mortality among Chinese nonsmokers in Singapore <i>Maggie L. Clark*, Lesley M. Butler, Woon-Puay Koh, Renwei Wang, Jian-Min Yuan</i>	
13:30–15:00	O-4-28	ROAD TRAFFIC NOISE Chair(s): Carla Ancona, Stephen Ifeanyi Duruchukwu	Helvetia 3-5
	O-4-28-01	Road traffic noise and risk for breast cancer <i>Mette Sørensen*, Kim Overvad, Anne Tjønneland, Ole Raaschou-Nielsen</i>	

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- O-4-28-02 Disentangling the effects of traffic-related noise and air pollution on blood pressure: indoor noise levels and protections
Maria Foraster, Xavier Basagaña, Inmaculada Aguilera, Marcela Rivera, David Agis, Laura Bouso, Alexandre Deltell, Roberto Elosua, Nino Kuenzli*
- O-4-28-03 The impact of noise and air pollution exposure on pregnancy outcomes
Ulrike Gehring, Lillian Tamburic, Hind Sbihi, Hugh Davies, Michael Brauer*
- O-4-28-04 Road traffic noise and all-cause mortality in the Netherlands
Danny Houthuijs, Wim Swart, Caroline Ameling, Marten Marra, Oscar Breugelmans, Hanneke Kruize, Nicole Janssen, Paul Fischer*
- O-4-28-05 Exposure to Road Traffic Noise and Children's Behavioural Problems and Sleep Disturbance: Results from the GINIplus and LISAplus Studies
Carla M T Tiesler, Matthias Birk, Elisabeth Thiering, Gabriele Kohlböck, Sibylle Koletzko, Carl-Peter Bauer, Dietrich Berdel, Andrea von Berg, Wolfgang Babisch, Joachim Heinrich*
- O-4-28-06 Traffic noise, insomnia and risk factors for cardiovascular disease
Jorunn Evandt, Bente Oftedal, Norun Hjertager Krog, Per E. Schwarze, Per Nafstad, Sidsel Graff-Iversen, Gunn Marit Aasvang*

15:15–15:45

F-4-29

CLOSING SESSION

- Martin Röösli, Conference Co-chair
- Richard A. Fenske, President ISES,
- Pawel Wargocki, President ISIAQ
- Annette Peters, President ISEE
- Nino Künzli, Conference Chair
- Marcel Tanner, Director Swiss TPH

San Francisco

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