

# **Scale-up and Manufacturing of Cell-based Therapies V**

San Diego, California, USA  
15-19 January 2017

## **Editors:**

**Tom Brieva  
Chris Mason**

**William Miller**

ISBN: 978-1-5108-5731-5

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



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## **Sunday, January 15, 2017**

16:00 – 19:00	<b>Conference check-in</b> (Bayview Foyer)
18:00 – 18:10	<b>Welcome to conference</b> Conference Chairs: Tom Brieva (Celgene Cellular Therapeutics) Bill Miller (Northwestern University) Chris Mason (University College London) ECI Liaison: Barry Buckland
18:10 – 18:40	<b>Poster snapshots</b> Session Chairs: Corinne Hoesli (McGill University) Eytan Abraham (Lonza)
18:40 – 18:45	<b>Introduction to Plenary 1</b> Tom Brieva (Celgene Cellular Therapeutics), ISCT Process and Product Development Subcommittee
18:45 – 19:45	<b><u>Plenary 1</u></b> <b>Moving off-the-shelf into patients; development of pluripotent cell-based immunotherapeutics .....1</b> Stewart Abbot, Fate Therapeutics, USA
19:45 – 21:00	Dinner
21:00 – 22:30	<b>Welcome reception and poster session with dessert</b>

### **Notes**

- *Technical sessions will be in the Bayview Ballroom. Poster Sessions will be in the Regatta Pavilion.*
- *Breakfasts and dinners will be in the Regatta Pavilion. Lunches will be on the Bayview/Sunset Terrace.*
- *Audiotaping, videotaping and photography of presentations are prohibited.*
- *Speakers – Please have your presentation loaded onto the conference computer prior to the session start (preferably the day before).*
- *Speakers – Please leave at least 3-5 minutes for questions and discussion. Please do not smoke at any conference functions.*
- *Turn your mobile telephones to vibrate or off during technical sessions.*
- *Please write your name on your program so that it can be returned to you if lost or misplaced.*
- *After the conference, ECI will send an updated participant list to all participants. Please check your listing now and if it needs updating, you may correct it at any time by logging into your ECI account.*

## **Monday, January 16, 2017**

- 07:00 – 08:30 Breakfast buffet
- 08:30 – 11:35 **Session 1: Novel technologies for cell therapy manufacturing**  
*Sponsored by Panasonic Healthcare Corporation of North America*  
Session Chairs: Jamie Piret (University of British Columbia)  
Jon Rowley (RoosterBio)
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- 09:00 – 09:25 **Bespoke cell therapy manufacturing platforms - A contradiction in terms? .....3**  
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Katie Pollock, University of Minnesota, USA
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- 14:15 – 16:25 Networking and free time (includes industrial promotion session)
- 15:45 – 16:15 **Industrial promotion session**  
Session Chairs: Tom Brieva (Celgene Cellular Therapeutics)  
Bill Miller (Northwestern University)
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Brian Lee, PBS Biotech, Inc., USA

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Mohammad Heidarani (US Food and Drug Administration)
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Matthias Renner, Paul Ehrlich Institute, Germany
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Topic 2: Challenges of establishing reliable assays which could be useful in measuring product potency.  
Topic 3: How to deal with manufacturing changes including automation introduced during late stages of the product development cycle?  
Topic 4: Approaches for establishing product comparability.  
Topic 5: Challenges of establishing control over the source materials and ancillary materials.  
Topic 6: What is the relationship between the lot release tests and the drug product CQA?  
Topic 7: Importance of establishing and distinguishing drug substance from drug product.
- 18:00 – 19:00      **Poster snapshots**  
Session Chairs: Corinne Hoesli (McGill University)  
Eytan Abraham (Lonza)
- 19:00 – 20:30      Dinner
- 20:30 – 22:00      **Poster session with dessert and social hour**  
*Sponsored by MilliporeSigma*

## **Tuesday, January 17, 2017**

- 07:00 – 08:30 Breakfast buffet
- 08:30 – 10:35 **Session 3: Product characterization and potency**  
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Chris Wiwi (Celgene)
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*Sponsored by Sartorius Group North America*  
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Marianna Sabatino (Kite Pharma)
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Robert Kutner (Rocket Pharma)
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(buses will return to the Hyatt beginning at 19:30 and ending at 21:15)

## **Wednesday, January 18, 2017**

- 07:00 – 08:30 Breakfast buffet
- 08:30 – 11:55 **Session 6: Upstream and downstream process characterization, scale-up, comparability, and in-line process monitoring**  
*Sponsored by Pall Life Sciences*  
Session Chairs: Joaquim Cabral (University of Lisbon) Fran Meacle (Johnson & Johnson)
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- 08:35 – 09:00 **Metabolomics and the role of metabolism in stem cell bioprocessing .....45**  
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Suzanne S. Farid (University College London), ISCT Business Models and COGs Subcommittee
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Robert Thomas, Loughborough University, UK
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Topic 2: What criteria do we consider and optimize for when designing new cell therapy processes?  
Topic 3: Will the cell therapy sector reach the point where process models enable process control?
- 18:35 – 19:00      Break
- 19:00 – 21:00      Banquet
- 21:00 – 22:30      Social hour with dessert

## **Thursday, January 19, 2017**

- 06:30 – 08:00 Breakfast buffet
- 08:00 – 08:10 **Introduction to the ISCT Process and Product Development Subcommittee and Plenary 3**  
Dominic M. Clarke (Charter Medical)  
Eytan Abraham (Lonza)  
ISCT Process and Product Development Subcommittee
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*Sponsored by Eppendorf AG*  
Session Chairs: Nick Timmins (CCRM)  
Greg Russotti (Celgene Cellular Therapeutics)
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- 11:35 – 12:30 **Conference wrap-up and discussion with conference chairs**
- 12:30 Departures

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# Scale-up and Manufacturing of Cell-based Therapies V

January 15-19, 2017  
Hyatt Regency Mission Bay Hotel  
San Diego, California



**Engineering Conference International**

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