

4th Biomedical Natural Language Processing Shared Task Workshop (BioNLP-ST 2016)

Held at ACL 2016

Berlin, Germany
13 August 2016

ISBN: 978-1-5108-2765-3

Printed from e-media with permission by:

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



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2016) by the Association for Computational Linguistics
All rights reserved.

Printed by Curran Associates, Inc. (2016)

For permission requests, please contact the Association for Computational Linguistics
at the address below.

Association for Computational Linguistics
209 N. Eighth Street
Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006
Fax: 1-570-476-0860

acl@aclweb.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

<i>Overview of the Regulatory Network of Plant Seed Development (SeeDev) Task at the BioNLP Shared Task 2016.</i>	
Estelle Chaix, Bertrand Dubreucq, Abdelhak Fatihi, Dialekti Valsamou, Robert Bossy, Mouhamadou Ba, Louise Deléger, Pierre Zweigenbaum, Philippe Bessières, Loïc Lepiniec and Claire Nédellec	1
<i>Overview of the Bacteria Biotope Task at BioNLP Shared Task 2016</i>	
Louise Deléger, Robert Bossy, Estelle Chaix, Mouhamadou Ba, Arnaud Ferré, Philippe Bessières and Claire Nédellec	12
<i>Refactoring the Genia Event Extraction Shared Task Toward a General Framework for IE-Driven KB Development</i>	
Jin-Dong Kim, Yue Wang, Nicola Colic, Seung Han Beak, Yong Hwan Kim and Min Song	23
<i>LitWay, Discriminative Extraction for Different Bio-Events</i>	
Chen Li, Zhiqiang Rao and Xiangrong Zhang	32
<i>VERSE: Event and Relation Extraction in the BioNLP 2016 Shared Task</i>	
Jake Lever and Steven JM Jones	42
<i>A dictionary- and rule-based system for identification of bacteria and habitats in text</i>	
Helen V Cook, Evangelos Pafilis and Lars Juhl Jensen	50
<i>Ontology-Based Categorization of Bacteria and Habitat Entities using Information Retrieval Techniques</i>	
Mert Tiftikci, Hakan Şahin, Berfu Büyüköz, Alper Yayıkçı and Arzucan Özgür	56
<i>Identification of Mentions and Relations between Bacteria and Biotope from PubMed Abstracts</i>	
Cyril Grouin	64
<i>Deep Learning with Minimal Training Data: TurkuNLP Entry in the BioNLP Shared Task 2016</i>	
Farrokh Mehryary, Jari Björne, Sampo Pyysalo, Tapio Salakoski and Filip Ginter	73
<i>SeeDev Binary Event Extraction using SVMs and a Rich Feature Set</i>	
Nagesh C. Panyam, Gitansh Khirbat, Karin Verspoor, Trevor Cohn and Kotagiri Ramamohanarao	82
<i>Extraction of Regulatory Events using Kernel-based Classifiers and Distant Supervision</i>	
Andre Lamurias, Miguel J. Rodrigues, Luka A. Clarke and Francisco M. Couto	88
<i>DUTIR in BioNLP-ST 2016: Utilizing Convolutional Network and Distributed Representation to Extract Complicate Relations</i>	
Honglei Li, Jianhai Zhang, Jian Wang, Hongfei Lin and Zhihao Yang	93
<i>Extracting Biomedical Event Using Feature Selection and Word Representation</i>	
Xinyu He, Lishuang Li, Jieqiong Zheng and Meiyue Qin	101