

BioCreative Workshop on Text Mining Applications

Biocuration 2014 Conference

University of Toronto, Toronto, Canada

Monday April 7, 3-5pm, 2014.

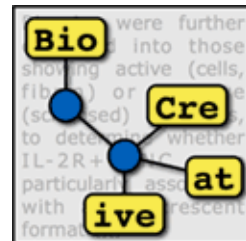
East Common Room, Hart House

Chairs:

Cecilia Arighi¹ and Lynette Hirschman²

¹ Center for Bioinformatics and Computational Biology,
University of Delaware, DE, USA

² The MITRE Corporation, Bedford, MA, USA

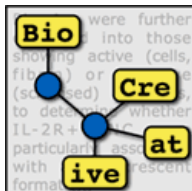


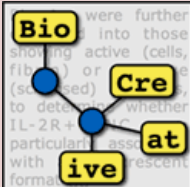
BioCreative:

An international community-wide effort for evaluating text mining systems applied to the biomedical domain

Bringing together experts from various fields, including
text mining, biocuration, publishing houses and
bioinformatics

BioCreative workshops are driven by the
needs of users



	Place, Year	Tasks	Publications
BC I	Spain, 2004	<ul style="list-style-type: none"> • Gene Mention • Gene Normalization • Gene Ontology 	BMC Bioinformatics 2005, 6 (Suppl 1)
BC II	Spain, 2007	<ul style="list-style-type: none"> • Gene Mention • Gene Normalization (human) • Protein-protein Interaction 	Genome Biology 2008, 9 (Suppl 2)
BC II.5	Spain, 2009	Protein-Protein Interaction: <ul style="list-style-type: none"> • Interactor Normalization • Interaction Pair • Article Categorization 	IEEE Transactions in Computational Biology and Bioinformatics 2010
BC III	USA, 2010	<ul style="list-style-type: none"> • Gene Normalization • User Interactive Task • Protein-protein Interaction 	BMC Bioinformatics 2011
BC IV	USA, 2013	<ul style="list-style-type: none"> • BioC Interoperability • Chem-Drug Named Entity • CTD Interoperability • Gene Ontology • User Interactive Task • Metagenomics Session 	Database Virtual Issue 2014 

Agenda

Welcome Lynette Hirschman (5 min)

Interoperability

(15 min) **BioC: a minimalist approach to interoperability for biomedical text processing**
Donald Comeau, National Center for Biotechnology Information, NLM

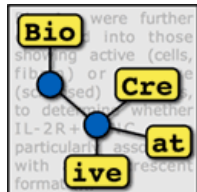
Text Mining and its users:

- (15 min) **The user interactive task in BioCreative Challenges**
Cecilia Arighi, Center for Bioinformatics and Computational Biology, U Delaware
- (10 min) **BioQRator: a web-based interactive biomedical literature curating system**
Don Comeau, National Center for Biotechnology Information, NLM
- (10 min) **eCuration: speed curating with PubTator**
Zhiyong Lu, National Center for Biotechnology Information, NLM
- (10 min) **Semi-automated extraction of expt methods for assisted curation of RegulonDB**
Fabio Rinaldi, Institute of Computational Linguistics, University of Zurich
- (10 min) **The use of text-mining tools during literature triage & functional annotation in MGD**
Harold Drabkin, MGI, The Jackson Laboratory

Outreach

- (10 min) **Text mining and Publishers**
Bartholomew C Wacek, Elsevier
- (10 min) **Text mining for the Metagenomics community**
Lynette Hirschman, The MITRE Corporation

Open discussion (25 min)



Acknowledgments: User Advisory Group

Judith Blake

Andrew Chatr-aryamontri

Stan Laulederkind

Donghui Li

Sherri Matis-Mitchell

Fiona McCarthy

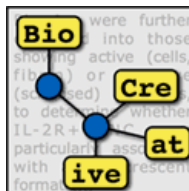
Peter McQuilton

Sandra Orchard

Phoebe Roberts

Mary Schaeffer

Kimberly Van Auken



Acknowledgements

- **BioCreative Organizers:**

- Cecilia N Arighi, University of Delaware
- Kevin B Cohen, University of Colorado
- Lynette Hirschman, MITRE
- Martin Krallinger, CNIO
- Zhiyong Lu, NCBI/NIH
- Alfonso Valencia, CNIO
- Thomas C. Wieggers, North Carolina State University
- W John Wilbur, NCBI/NIH
- Cathy H Wu, University of Delaware

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More Biocreative Poster 84: BioCreative IV tasks on assisting biocuration through text mining research

