BioCreative VI Workshop
October 18-20, Bethesda
- Community-wide effort for evaluating text mining systems applied to the biomedical domain

- Collaborative and interdisciplinary effort

- Focuses on problems of importance to the biocuration, bioinformatics communities and beyond
BioCreative Goals

- Attract researchers from natural language processing, biomedical domains, and publishers/literature providers

- Address problems of importance to the biology and bioinformatics community

- Create legacy training and test data suites that could be used for development and benchmarking of future applications

- Allow the assessment of the state-of-the-art on real biological tasks
Organizing Committee

- Cecilia Arighi, University of Delaware, USA
- Chatr-aryamontri, IRCI, Université de Montréal, Canada
- Donald Comeau, National Center for Biotechnology Information (NCBI), NIH, USA
- Kevin Cohen, University of Colorado, USA
- Juliane Fluck, Fraunhofer Institute for Algorithms and Scientific Computing SCAI, Germany
- Sumit Madan, Fraunhofer Institute for Algorithms and Scientific Computing SCAI, Germany
- Rezarta Islamaj Dogan, National Center for Biotechnology Information (NCBI), NIH, USA
- Pascale Gaudet, Swiss Bioinformatics Institute, Switzerland
- Julien Gobeill, Swiss Bioinformatics Institute, Switzerland
- Lynette Hirschman, MITRE Corporation, USA
- Sun Kim, NCBI, NIH, USA
- Martin Krallinger, Spanish National Cancer Centre, CNIO, Spain
- Zhiyong Lu, NCBI, NIH, USA
- Fabio Rinaldi, Swiss Bioinformatics Institute, Switzerland
- Patrick Ruch, Swiss Bioinformatics Institute, Switzerland
- Alfonso Valencia, CNIO, Spain
- Cathy Wu, University of Delaware and Georgetown University, USA
Workshop Outline

• Discussion about track results:
  • Day 1
    • Track 1: Bio-ID assignment
    • Track 4: Mining protein interactions and mutations for precision medicine
  • DAY 2
    • Track 2: Text mining services for kinome curation
    • Track 3: Extraction of causal network information using the Biological Expression Language
  • DAY 3
    • Track 5: Text mining chemical-protein interactions
Keynote Speakers

Patricia Flatley Brennan, RN, PhD, Director, National Library of Medicine

Towards a future of data-powered health

Wednesday October 18, 4pm

Hongfang Liu, PhD, Professor, Mayo Clinic

Text mining in precision medicine: opportunities and challenges

Thursday October 19, 4pm
Panels

1-Innovation in digital curation: views from different stakeholders curators, publishers and providers

2-Funding Panel: opportunities and needs

General Session: To showcase other interesting bioNLP work

Open Poster Session
Congratulations to BioCreative Travel Awardees

Jia Ren, PhD Student, University of Delaware

Ignacio Tripodi, PhD Student, University of Colorado

Mayla Bugoslav, PhD Student, University of Colorado

Daniel Dopp, Student, University of Kentucky

Adam Morrone, Student, Liberty University

Majid Rastegar-Mojarad, Student, University of Wisconsin
Logistics

- Breakfasts in EMC Foyer 2\textsuperscript{nd} Floor
- Lunch in Restaurant 1\textsuperscript{st} Floor
- Poster session in Balance Room
- Reception Thursday at Poster Session in Balance Room
- Tour to NLM
  - ✔ 0.6 mile walk (~1 Km) to entrance of NIH
  - ✔ Security check needed (please \textit{bring picture ID})
  - ✔ Sign up at registration desk
  - ✔ Meet at hotel Lobby 12:45pm, Friday 20
  - ✔ Hotel shuttle available for the way to NIH
Participation

• BioCreative VI Workshop
  • ~60 participants, >1/3 Students
  participants geographical distribution

• Teams Participation in challenge
  • ~36 teams in 5 tracks

Team Geographical Distribution

Dissemination

• Proceedings
• Selected works will be invited to submit to DATABASE virtual issue
• Report to ISB community about the meeting
Local Organizers

- Cecilia Arighi, University of Delaware
- Donald Comeau, NCBI, NIH
- Rezarta Islamaj-Dogan, NCBI, NIH
- Sun Kim, NCBI, NIH
- Zhiyong Lu, NCBI, NIH
- Qinghua Wang, University of Delaware
- Cathy Wu, University of Delaware
Let the show begin!