RECOMB Conference on Bioinformatics Education (RECOMB-BE)

April 1, 2014

Pittsburgh Athletic Association
4215 5th Avenue
Pittsburgh, Pennsylvania, USA

CONFERENCE PROGRAM

9:00-9:15 AM: Introductory Remarks

9:15-9:50 AM: Sarah Elgin:
Bringing genomics into the undergraduate biology curriculum

9:55-10:30 AM: Robert Murphy:
Thoughts on twenty-five years of teaching introductory computational biology

10:30-10:50 AM: Coffee break

10:50 - 11:05 AM: Lauren O'Donnell, Benjamin Andrick, Wilson Meng:
A framework for designing a bioinformatics practicum aimed for integrating concepts in virology, immunology and pharmaceutical sciences in pharmacy curricula

11:05 - 11:20 AM: Carlos Camacho:
Pharming: A crowdsourcing approach to teach and discover protein-ligand interactions

11:25 AM – Noon: Michal Linial:
The forest and the trees: A reset button for Bio-101

Noon - 1:30 PM: Lunch and poster session (see list of accepted posters below)

1:30- 1:45 PM: Dimitris Papamichail, Burton Rosenberg, Huseyin Kocak:
Introductory programming skills for life scientists with LivePerl

1:45 - 2:20 PM: Mona Singh: *Challenges in teaching a "one course fits all" computational biology course*

2:25-2:40 PM: Ricardo Gonzalez Mendez, Jimmy Torres Rodriguez, Alexander J. Ropelewski, and Hugh B. Nicholas Jr.: *Rethinking bioinformatics education: Content versus competencies*

2:45 – 3:20 PM: Phillip Compeau:
The first (English-language) Bioinformatics MOOC: Lessons learned

3:20 - 3:50 PM: Coffee break

3:50 - 4:05 PM: Tammy Van DeGrift:
Supporting the success of multidisciplinary undergraduate computational biology teams through curriculum and pedagogy

4:05 - 4:40 PM: Donna Slonim:
Training 21st century clinicians

4:45 - 5:30 PM: Panel Session - Moderator: Alex Hartemink
What should every undergraduate biology major know about bioinformatics and at what level of proficiency?

5:30 – 5:45 PM: Closing comments, followed by RECOMB Welcome Reception, Pittsburgh Athletic Association