Preparing students in bioinformatics: challenges, successes and opportunities

Joint QB/GATC Session
CSUPERPB Symposium
January 8, 2016
Orange County, CA
Session structure

- Panel discussion - approximately one hour.
- Break-out table discussions - 1 hour. 8-10 per table. Rotate tables once (contingent on time)
- 10 minute break - about half way through the session.
- Report out by a volunteer from each table - 30 - 45 minutes. (include final questions to/comments from panelists).
- 2-3 minute introductions of faculty who have materials to share. (30 minutes.)
- Final survey
Scientific panel

- Paul Wolber, Ph.D., Agilent (instructor and representing end-users in industry): paul_wolber@agilent.com
- Soheil Shams, Ph.D., BioDiscovery (representing developers in industry): sshams@biodiscovery.com
- Pleuni Pennings, Ph.D., Biology, SFSU: pspennings@gmail.com
- Nancy Warter-Perez, Ph.D., Electrical and Computer Engineering, Cal State LA: nwarter@calstatela.edu
- Jamil Momand, Ph.D., Chemistry and Biochemistry, Cal State LA: jmomand@calstatela.edu
Table discussions

1. Curricular materials and approaches to teach bioinformatics to end users (Jamil Momand and Pleuni Pennings)

2. Curricular materials and approaches to teach bioinformatics to developers (Nancy Warter-Perez and David Keller)

3. Skills and knowledge for end users as they enter the job market (Paul Wolber)

4. Skills and knowledge for developers as they enter the job market (Soheil Shams)

5. Big data in our academic setting (Judy Brusslan)
Wrap-up

- Organizers, Sandy Sharp and Bori Mazzag will collect materials from the session and make these available to participants. These materials will include a summary of table discussions; access to materials provided by session participants.

- Brief topic-specific feedback survey

- General online survey to all symposium attendees - questions about sessions attended
1. What was your main takeaway? (Side A of card)

2. What additional professional development would you like or need in order to implement or follow up on ideas presented in this session? (Side B of card)

3. Would you like to have additional joint sessions between the Genomics Analysis and Technology Committee and Quantitative Biology groups? (Side B of card)
Contact info for organizers

- Sandy Sharp: Biology, CSULA: ssharp@calstatela.edu
- Bori Mazzag: Mathematics, HSU: borim@humboldt.edu