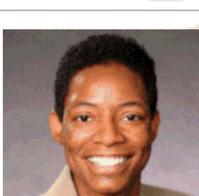


# Second RECOMB Satellite Conference on Bioinformatics Education

May 22-23, 2010 Calit2 Auditorium, Atkinson Hall, University of California, San Diego  
<http://casb.ucsd.edu/bioed10/index.html>

The goal of the meeting is to showcase best practices of teaching bioinformatics ideas to biology undergraduates, to discuss existing challenges in bioinformatics education (with an emphasis on undergraduate education), and to promote collaborations between educators towards developing a stable bioinformatics curriculum reflecting the 21st century bioinformatics. The meeting will also showcase selected bioinformatics research projects conducted by undergraduate students.

	<p><b>Jeff Elhai</b>  <b>Virginia Commonwealth</b>            Humans, Computers, and the Route to Biological Insights: Regaining Our Capacity for Surprise</p>		<p><b>Aviv Regev</b>  <b>Broad Institute</b>            Transcriptional Regulatory Circuits: predicting numbers from alphabets</p>
	<p><b>Ricardo González Méndez</b>  <b>University of Puerto Rico</b>            Assisting Bioinformatics Efforts at Minority Institutions: Efforts and Outcomes of an NIH-Funded Program</p>		<p><b>Russell Schwartz</b>  <b>Carnegie Mellon</b>            Principles of Genetic Regulatory Network Inference</p>
	<p><b>Dan Gusfield</b>  <b>UC Davis</b>            Why Algorithmic Efficiency Matters in Bioinformatics: An Introduction to Dynamic Programming in Sequence Alignment</p>		<p><b>Ron Shamir</b>  <b>Tel Aviv University</b>            From DNA Chips to Cancer Treatment</p>
	<p><b>David Haussler</b>  <b>UC Santa Cruz</b>            Rearranging Genes</p>		<p><b>Adam Siepel</b>  <b>Cornell</b>            Genomic Archaeology: Extracting Ancient Human History from Genome Sequences by Computer</p>
	<p><b>Eugene Koonin</b>  <b>National Center for Biotechnology Information</b>            The Tree (or Forest?) of Life in the Age of Genomics</p>		<p><b>Bahar Taneri</b>  <b>Eastern Mediterranean University</b>            Is There Room for Ethics Within Bioinformatics Education? A Survey Of Ethics Components Within Bioinformatics Curricula</p>
	<p><b>Ran Libeskind-Hadas</b>  <b>Harvey Mudd</b>            A New First-Year Undergraduate Course Integrating Biology and Computer Science</p>		<p><b>Glenn Tesler</b>  <b>UC San Diego</b>            An Introduction to the Poisson Distribution and Haldane's Model of Crossovers</p>
	<p><b>Jian Ma</b>  <b>University of Illinois at Urbana-Champaign</b>            Understanding Structural Genomic Changes: Biological Questions and Computational Challenges</p>		<p><b>Olga Troyanskaya</b>  <b>Princeton</b>            Building "Google" for Biology: Answering Specific Biological Questions Based on Diverse Genomic Data</p>
	<p><b>Lior Pachter</b>  <b>UC Berkeley</b>            What Is the Neighbor-Joining Algorithm?</p>		<p><b>Tandy Warnow</b>  <b>University of Texas, Austin</b>            Phylogeny Estimation: Why It Is "Hard", and How to Design Methods with Good Performance</p>
	<p><b>Yitzhak (Tzachi) Pilpel</b>  <b>Weizmann Institute</b>            Codon-tRNA Adaptation: A Code for Determining Translation Efficiency</p>		<p><b>Tiffani Williams</b>  <b>Texas A&amp;M</b>            Computational Approaches for Constructing Majority Consensus Trees</p>

Conference Chairs: Pavel Pevzner (UCSD) and Ron Shamir (Tel Aviv University). Organizing Committee: Sangtae Kim, Laura Gracia, and Son Pham

Sponsored by the Howard Hughes Institute, Center for Algorithmic and Systems Biology (CASB) at Calit2, International Society for Computational Biology, and Bioinformatics & Systems Biology Graduate Program at UC San Diego.

