UC SAN DIEGO’S FIRST BIOINFORMATICS EXPO

The UC San Diego Bioinformatics Expo brings together leading faculty, current, and prospective Bioinformatics graduate students to discuss and present their work. This annual one day symposium offers a unique opportunity for students in the Bioinformatics Program, as well as students interested in the field, to get acquainted with the wide spectrum of research topics.

The event features talks from UC San Diego faculty and students, a panel discussion, and a poster session. All students in the Bioinformatics Graduate Program at UC San Diego in their second year or above are required to participate.

SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>9:00-9:30</td>
<td>Breakfast</td>
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<tr>
<td>9:30-9:40</td>
<td>Opening remarks by Chair</td>
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<tr>
<td>9:40-10:45</td>
<td>Faculty Presentations</td>
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<tr>
<td>10:45-11:00</td>
<td>Coffee Break</td>
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<tr>
<td>11:00-12:30</td>
<td>Student Presentations</td>
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<tr>
<td>12:30-12:50</td>
<td>Prospective Student Welcome</td>
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<td>12:50-2:00</td>
<td>Lunch</td>
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<tr>
<td>2:00-3:30</td>
<td>Faculty Presentations</td>
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<tr>
<td>3:30-4:00</td>
<td>Panel Discussion</td>
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<tr>
<td>4:00-5:00</td>
<td>Poster Viewing</td>
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<tr>
<td>5:00-6:00</td>
<td>Catered Reception</td>
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University of California, San Diego

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# EXPO Presentations

<table>
<thead>
<tr>
<th>Morning Faculty Presentations</th>
<th>Bioinformatics Graduate Student Presentations</th>
<th>Afternoon Faculty Presentations</th>
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| “Genome-wide Sequencing of Cytosine Methylation”  
Dr. Joseph Ecker  
Professor of Biology, Salk Institute  
UC San Diego | “Functional Maps of Protein Complexes from Quantitative Genetic Interaction Data”  
Sourav Bandyopadhyay  
Fifth year | “New Challenges and Opportunities in Protein Network Analysis”  
Dr. Trey Ideker  
Associate Professor, Bioengineering  
UC San Diego |
| “State-specific Control of Transcription thru Variant Splicing and MicroRNAs”  
Dr. Terry Gaasterland  
Professor and Director, Scripps Genome Center  
Scripps Institution of Oceanography  
UC San Diego | “Optimization of Primer Design for Detection of Variable Genomic Lesions in Cancer”  
Ali Bashir  
Sixth year | “Systems Biology of Metabolism”  
Dr. Bernhard Palsson  
Professor, Bioengineering  
UC San Diego |
| “Individualized Genomics”  
Dr. Pauline Ng  
Senior Scientist, Genomic Medicine  
J. Craig Venter Institute | “Deciphering the Human Epigenome”  
Gary Hon  
Fifth year | “Mammalian Systems Biology: Mechanisms, Networks, Models and Phenotypes”  
Dr. Shankar Subramaniam  
Professor, Bioengineering, Chemistry & Biochemistry  
UC San Diego |
| “Human Genetic Variation and its Contribution to Complex Traits”  
Dr. Kelly Frazer  
Professor, Molecular and Experimental Medicine  
The Scripps Research Institute | “Design of Synthetic HIV-1 Therapy Virus to Halt the AIDS at the Population Level”  
Harish Nagarajan  
Second year | “Cis-regulation in the Human Genome”  
Dr. Kun Zhang  
Assistant Professor, Bioengineering  
UC San Diego |
| “Functional Maps of Protein Complexes from Quantitative Genetic Interaction Data”  
Sourav Bandyopadhyay  
Fifth year | “Dereplication and Sequencing of Non-Ribosomal Peptides”  
Julio Ng  
Fourth year | “A Temporal Code for Stress-Response Signaling”  
Dr. Alexander Hoffman  
Associate Professor, Chemistry  
Tumor Growth, Invasion & Metastasis Program, Co-Director, Bioinformatics  
UC San Diego |
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