




The Department of Biochemistry Presents


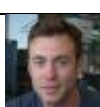

Rising Star Symposium

Thursday, September 21, 2017

Session 1: Chemical Biology – HSEB 3515B




9:30	Welcome and Introduction	
9:40		Mia Huang, Ph.D. Department of Chemistry & Biochemistry, University of California San Diego <i>Chemical control of the glycocalyx to modulate differentiation and development</i>
10:05		Chi Zhang, Ph.D. McGovern Institute for Brain Research, Massachusetts Institute of Technology <i>Chemistry for antibody modification</i>
10:30		Lauren Rajakovich, Ph.D. Department of Chemistry & Chemical Biology, Harvard University <i>Uncovering functional divergence of structurally similar metalloenzymes</i>

Break




11:15		Elizabeth Bess, Ph.D. Department of Microbiology & Immunology <i>Unleashing the super in superfoods: bioactivation of dietary polyphenols by the human gut microbiome</i>
11:40		John Aaron Crapster, Ph.D. Department of Chemical & Systems Biology, Stanford University <i>HIPK4 is essential for mammalian spermatogenesis</i>
12:05		Aadra Bhatt, Ph.D. Department of Chemistry, University of North Carolina at Chapel Hill <i>The role of the microbiome in health and disease</i>

Lunch break

Session 2: Protein Design – HSEB 2680

2:00		Beth Stadtmueller, Ph.D. Department of Biology & Biological Engineering, California Institute of Technology <i>Flexible response: the structures and dynamics of secretory component and secretory antibodies</i>
2:25		Helena Safavi, Ph.D. Department of Biology, University of Utah <i>Next-generation conotoxin drug discovery and design</i>
2:50		Amy Weeks, Ph.D. Department of Pharmaceutical Chemistry, University of California, San Francisco <i>New chemoenzymatic tools for dissecting proteolytic signaling pathways</i>

Break

3:35		Scott Boyken, Ph.D. Department of Biochemistry, University of Washington <i>Programmable interaction specificity and protein logic</i>
4:00		Gabriel Rocklin, Ph.D. Department of Biochemistry, University of Washington <i>Massively parallel de novo protein design</i>
4:25		Parisa Hosseinzadeh, Ph.D. Department of Biochemistry, University of Washington Institute for Protein Design <i>The coming of age of peptide design</i>