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 ***Chemical control of the glycocalyx to modulate differentiation and development***
10:05		**Chi Zhang, Ph.D.** McGovern Institute for Brain Research, Massachusetts Institute of Technology ***Chemistry for antibody modification***
10:30		**Lauren Rajakovich, Ph.D.** Department of Chemistry & Chemical Biology, Harvard University ***Uncovering functional divergence of structurally similar metalloenzymes***
		Break
11:15		**Elizabeth Bess, Ph.D.** Department of Microbiology & Immunology ***Unleashing the super in superfoods: bioactiviation of dietary polyphenols by the human gut microbiome***
11:40		**John Aaron Crapster, Ph.D.** Department of Chemical & Systems Biology, Stanford University ***HIPK4 is essential for mammalian spermatogenesis***
12:05		**Aadra Bhatt, Ph.D.** Department of Chemistry, University of North Carolina at Chapel Hill ***The role of the microbiome in health and disease***
		Lunch break

Session 2: Protein Design – HSEB 2680

2:00		**Beth Stadtmueller, Ph.D.** Department of Biology & Biological Engineering, California Institute of Technology ***Flexible response: the structures and dynamics of secretory component and secretory antibodies***
2:25		**Helena Safavi, Ph.D.** Department of Biology, University of Utah ***Next-generation conotoxin drug discovery and design***
2:50		**Amy Weeks, Ph.D.** Department of Pharmaceutical Chemistry, University of California, San Francisco ***New chemoenzymatic tools for dissecting proteolytic signaling pathways***
		Break
3:35		**Scott Boyken, Ph.D.** Department of Biochemistry, University of Washington ***Programmable interaction specificity and protein logic***
4:00		**Gabriel Rocklin, Ph.D**. Department of Biochemistry, University of Washington ***Massively parallel de novo protein design***
4:25		**Parisa Hosseinzadeh, Ph.D.** Department of Biochemistry, University of Washington Institute for Protein Design ***The coming of age of peptide design***

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