

Rising Stars Symposium

Thursday, September 19, 2019

Session 1: Metabolism – HSEB 3515B, Session Chairs: Keke Fairfax & Greg Ducker		
9:00		Welcome and Introduction – Michael Kay
9:10		Monika Bambouskova, PhD Department of Pathology & Immunology, Washington University in St. Louis <i>Electrophilic properties of itaconate and derivatives regulate the IκBζ-ATF3 inflammatory axis</i>
9:30		Sophie Trefely, PhD Department of Cancer Biology, Perelman SOM & AJ Drexel Autism Inst., UPenn & Drexel University <i>Acyl-CoA metabolism in Time and Space</i>
9:50		Alexandre Caron, PhD Department of Internal Medicine, UT Southwestern Medical Center <i>Sympathetic control of liver metabolism</i>
10:10		Robert Banh, PhD Department of Radiation Oncology, New York University Langone Health <i>Metabolic contribution of sensory neurons, via peripheral axons, to pancreatic tumorigenesis</i>
Break		
11:00		Xia Gao, PhD Department of Pharmacology & Cancer Biology, Duke University <i>Dietary methionine couples metabolism to cancer therapy</i>
11:20		Dongyin Guan, PhD Institute for Diabetes, Obesity & Metabolism, University of Pennsylvania <i>Circadian metabolic reprogramming in response to overnutrition</i>
11:40		Li-Hao Huang, PhD Department of Pathology and Immunology, Washington University SOM <i>Interstitial lipoprotein trafficking through lymphatics in autoimmune diseases -Surprising role of the immune system</i>
12:00		Christina Camell, PhD Department of Comparative Medicine & Immunobiology, Yale University <i>Inflammatory mechanisms of impaired lipolysis in white adipose tissue during aging</i>
Lunch - by invitation only		
Session 2: Protein Design – HSEB 4100B, Session Chairs: Michael Kay & Peter Shen		
1:45		Anum Glasgow, PhD Department of Bioengineering & Therapeutic Sciences, UC San Francisco <i>Computational design of a modular protein sense/response system</i>
2:05		Qian Cong, PhD Department of Biochemistry, Institute of Protein Design, University of Washington <i>Protein Interaction networks revealed by proteome co-evolution</i>
2:25		Haifan Wu, PhD Department of Pharmaceutical Chemistry, UC San Francisco <i>From de novo designed constrained peptides to natural amyloidogenic peptides in Alzheimer's disease</i>
2:45		Stephanie Berger, PhD Department of Biochemistry, University of Washington <i>Computationally designed inhibitors of IL-17 and IL-23R for locally restricted immune modulation</i>
Break		
3:35		Huong Kratochvil, PhD Department of Pharmaceutical Chemistry, UC San Francisco <i>Elucidating the molecular determinants for proton flux through the design of a proton channel</i>
3:55		Paul Ruijgrok, PhD Department of Bioengineering, Stanford University <i>Optical control of fast and processive engineered myosins in vitro and in living cells</i>

The Departments of Biochemistry, Medicinal Chemistry, and Nutrition & Integrative Physiology present

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4:15



Jiayi Dou, PhD

Department of Bioengineering, Stanford University

De novo design of a fluorescence-activating beta barrel