





The Department of Biochemistry Presents

## Rising Star Symposium

Friday, September 22, 2017

### Session 1: Metabolism – HSEB 3515B




9:00	<b>Introduction</b>	
9:15		<b>Danielle Dean, Ph.D.</b> Division of Diabetes, Endocrinology, & Metabolism; Vanderbilt University School of Medicine <i>A hepatic-islet alpha cell axis</i>
9:40		<b>Jason Cantor, Ph.D.</b> Whitehead Institute for Biomedical Research <i>Use of physiologic media to study metabolic regulation and requirements in cancer</i>
10:05		<b>Isha Jain, Ph.D.</b> Department of Molecule Biology, Massachusetts General Hospital <i>Hypoxia therapy reverses mitochondrial disease</i>
10:30		<b>Gregory Ducker, Ph.D.</b> Lewis-Sigler Institute for Integrative Genomics, Princeton University <i>Expanding our understanding of one-carbon metabolism in cancer</i>

#### Break


11:15		<b>Lucas Sullivan, Ph.D.</b> Koch Institute for Integrative Cancer Research, Massachusetts Institute of Technology <i>Aspartate is a metabolic limitation for cancer cell proliferation</i>
11:40		<b>Carlos Castorena, Ph.D.</b> Internal Medicine, Division of Hypothalamic Research, UT Southwestern <i>Cannabinoid 1 receptors in sf1 neurons regulate glucose homeostasis</i>
12:05		<b>Kedryn Baskin, Ph.D.</b> Department of Molecular Biology, UT Southwestern Medical Center <i>Mediating physiology: complex roles of mediator in heart and muscle</i>
12:30		<b>Liron Bar-Peled, Ph.D.</b> Department of Chemical Physiology, The Scripps Research Institute <i>Identification of redox and druggable vulnerabilities in lung cancer</i>

#### Break for lunch

### Session 2: Structure/Imaging – HSEB 3515B

2:10		<b>Stella Ying Sun, Ph.D.</b> Department of Bioengineering, Stanford University <i>Understanding flagellum-driven cell motility in Trypanosoma brucei by cryo-ET</i>
2:35		<b>Yi-Wei Chang, Ph.D.</b> Department of Biology & Biological Engineering, California Institute of Technology <i>In vivo structural study of the type IV pilus machine by electron cryotomography</i>
3:00		<b>Basil Greber, Ph.D.</b> California Institute for Quantitative Biosciences (QB3), UC Berkeley <i>The cryo-EM structure of human TFIIF</i>

#### Break

3:45		<b>Keynote Speaker: Erik Jorgensen, Ph.D.</b> Distinguished Professor of Biology, Adjunct Distinguished Professor of Human Genetics, & Adjunct Professor of Bioengineering University of Utah <i>Bending membranes during ultrafast endocytosis</i>
------	-------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------