Single Cell Biology Symposium 2016

Wednesday, May 4, 2016
8:30 AM – 5:30 PM

PROGRAM

8:30am  Breakfast

9:00   Welcome & Introduction
       James H. Eberwine, PhD and Junhyong Kim, PhD
       Co-Directors, Penn Program in Single Cell Biology

9:15   Single Cell Sensors
       Deirdre Meldrum, PhD
       Director, Center for Biosignatures Discovery Automation
       Biodesign Institute, Arizona State University

9:50   Single Cell Approach to Unravel the Mystery of Olfaction
       Ron Yu, PhD
       Associate Investigator
       Stowers Institute for Medical Research

10:25  Refreshments in the Lobby

10:45  Cheng Jia
       Department of Biostatistics
       Zhang and Li Labs
       University of Pennsylvania

11:00  Eduardo Torre and Hannah Dueck, PhD
       Departments of Bioengineering and Genetics
       Raj and Murray Labs
       University of Pennsylvania

11:15  Illuminating Biochemical Activity Architecture of the Cell
       Jin Zhang, PhD
       Professor of Pharmacology
       University of California, San Diego
12:00pm  Lunch (symposium attendees will provide their own meal)

2:00  NIH Program Discussion
   “The Common Fund Single Cell Program” – Yong Yao, PhD
   “The Brain Initiative” – Andrea Beckel-Mitchener, PhD
   “The Cancer Institute” – Randy Knowlton, PhD

2:45  Jacqueline Morris, PhD
   Department of Systems Pharmacology and Translational Therapeutics
   Eberwine Lab
   University of Pennsylvania

3:00  New Chemical Tools for Control and Imaging of Cellular Processes
   David Chenoweth, PhD
   Assistant Professor of Chemistry
   University of Pennsylvania

3:35  Refreshments in the Lobby

3:50  Translating the Properties of Single Cells into Collective Behaviors in Tissues
   Zev Gartner, PhD
   Associate Professor of Pharmaceutical Chemistry
   University of California, San Francisco

4:25  Tumor Evolution and Diversity at Single Cell Genomic Resolution
   Nicholas Navin, PhD
   Assistant Professor of Genetics, Bioinformatics and Computational Biology and Biomedical Sciences
   MD Anderson Cancer Center, University of Texas

5:00  Closing Remarks
   James H. Eberwine, PhD and Junhyong Kim, PhD
   Co-Directors, Penn Program in Single Cell Biology