Emerging Technologies in Single Cell Biology Symposium 2018

Tuesday, November 13, 2018
9:00 AM – 5:00 PM

PROGRAM

8:15am  Breakfast

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

9:10  “Quantifying proteins in single cells by high-throughput single-cell mass-spectrometry”
Nikolai Slavov, PhD
Assistant Professor, Department of Bioengineering
Northeastern University

9:50  “Developing and applying microfluidic technologies for profiling single cells”
Polly Fordyce, PhD
Assistant Professor, Department of Genetics and Bioengineering
Stanford University

10:30  Refreshments in the Lobby

10:45  “Single-cell atlas of the mouse kidney reveals unexpected cellular plasticity”
Katalin Susztak, MD, PhD
Professor of Medicine
Perelman School of Medicine
University of Pennsylvania

11:25  Takara Sponsored Lecture
“Tumor and immune single cell heterogeneity and evolution during therapy”
Andrea Bild, PhD
Professor, Department of Medical Oncology and Therapeutics Research
City of Hope
12:00pm  Lunch (symposium attendees will provide their own meal)

2:00  “Building proteins to peek and poke at signaling circuits in vivo”
Klaus Hahn, PhD
Thurman Distinguished Professor
Department of Pharmacology
UNC Chapel Hill School of Medicine

2:40  “Single-cell dissections of a dynamic cell lineage commitment process”
Ellen Rothenberg, PhD
Albert Billings Ruddock Professor
Department of Biology, Caltech

3:20  Refreshments in the Lobby

3:35  “Generating cell diversity in the mouse and human kidney”
Andrew McMahon, PhD
Chair and Keck Provost Professor
Department of Stem Cell Biology and Regenerative Medicine
USC Keck School of Medicine

4:15  Future Prospects Session with all Speakers

4:50  Closing Remarks
James H. Eberwine, PhD and Junhyong Kim, PhD
Co-Directors, Penn Program in Single Cell Biology