PSOC @ Penn Public Symposium

Wednesday March 14th, 2018

Singh Center Glandt Forum

Krishna P. Singh Center for Nanotechnology
3205 Walnut Street
Philadelphia, PA 19104

12.45 – 1.00

Welcome & Introductions

Dennis Discher, PhD
Robert D. Bent Professor in SEAS, Grad Grps in Physics, Cell Mol Biol. at UPenn
Lead PI of the NCI Phys Sci Oncology Ctr @ Penn (PSOC@Penn)

Maria Frizelle Roberts, RN, MPH
Patient Advocate & President & Chief Executive Officer of MFR Consultants, Inc.

1.00 – 1.45

Keynote Talk

“The molecular mechanism underlying the mechanically controlled epithelial-mesenchymal transition (EMT)”

Andre Levchenko, PhD
John C. Malone Professor of Biomedical Engineering
Director of Yale University U54 - NCI Cancer Systems Biology Consortium (CSBC)

1.50 – 2.35

“Control of cell morphology and differentiation by substrates with independently tunable elasticity and viscous dissipation”

Rebecca Wells, MD
Paul Janmey, PhD
Vivek Shenoy, PhD
Professor of Medicine (GI) and Pathology and Laboratory Medicine & Bio Eng’g, School of Medicine, UPenn.
& Professor of Physiology, IME, University of Penn,
& Professor of Material Science Eng’g , Mechanical Eng’g & Bio Eng’g, University of Penn
PI’s of Core-1 & Project-1 of PSOC@Penn
& Co-PI of Core-2

2.40 – 3.00

“A genome-wide method for identifying phenotypically distinct rare cancer cell populations”

Arjun Raj , PhD
Associate Professor of Bio Eng’g, SEAS, University of Penn
PI of Pilot Project of PSOC@Penn

3.00- 3.15

Coffee Break

Help greet Patient Advocate
Maria Frizelle Roberts
3.15 – 4.00
“Understanding biased signaling by growth factor receptor tyrosine kinases”
Mark Lemmon PhD, FRS
David A. Sackler Professor of Pharmacology; Co-director, Cancer Biology Institute, Yale University School of Medicine; Co-Director of Yale University Cancer Biology Institute; Co-PI of Project-2 of PSOC@Penn

4.05 – 4.50
“Tumor-derived Exosomes Mediates Immunosuppression and Is associated with Patient Response to anti-PD-1 Immunotherapy”
Wei Guo, PhD
Professor of Biology, SAS, University of Penn, Co-PI in Project-2 of PSOC@Penn

4.55 – 5.15
“Mitotic progression following DNA damage enables pattern recognition within micronuclei”
Shane Harding, PhD
Postdoctoral fellow in Roger Greenberg group, Professor of Cancer Biology, SOM, University of Penn, and Co-PI of Project-3 of PSOC@Penn

5.15 – 5.35
“DNA Damage Follows Repair Factor Depletion and Portends Genome Variation in Cancer Cells after Pore Migration.”
Jerome Irianto, PhD
Postdoctoral fellow in Dennis Discher group, PI of Project-3 of PSOC@Penn

5.35 – 5.55
“Optogenetic control of nuclear body assembly in telomerase-free cancer cells.”
Huaiying Zhang, PhD
Postdoctoral fellow in Mike Lampson group, Associate Professor of Biology, SAS, University of Penn, and PI of Pilot Project of PSOC@Penn

6.00 – 6.30
“Hypoxia, low pH and tumor microenvironment heterogeneity”
Chi Van Dang, MD-PhD
Professor, Molecular & Cellular Oncogenesis Program, Wistar Institute, Philadelphia. PI of Pilot Project of PSOC@Penn

6.30 – 8.00
Reception & Poster Session
Lobby first floor