Partnership for Integrative Cancer Research

Annual Symposium – Friday, February 16th, 2017

John Edward Porter Neuroscience Research Center
National Institutes of Health, Bldg. 35, Room 640

9:30 – 10:00  Registration, badge pickup, speaker A/V check
10:00 – 10:10  Welcome – Glenn Merlino, CCR Scientific Director for Basic Research

Session 1  chair: Dan Larson
10:10 – 10:30  Arpita Upadhyaya, UMD
“Push, pull and sense: Mechanical regulation of cytoskeletal and transcription factor dynamics”
10:30 – 10:50  Yawen Bai, NCI
"Structural Mechanisms of Epigenetic Specification of Centromeres"
10:50 – 11:10  Pratyush Tiwary, UMD
"How, when and why do drug molecules unbind: predictive all-atom simulations"
11:10 – 11:30  Stephen Mount, UMD
"Nanoexons, detained introns, and other unconventional cases of alternative splicing."
11:30 – 11:50  Jay Schneekloth, NCI
“Targeting Structurally and Functionally Diverse Nucleic Acids with Drug-like Small Molecules”
11:50 – 1:30  Lunch and poster session

Session 2  chair: Wolfgang Losert
1:30 – 1:50  Kimberly Stroka, UMD
"Cues from the blood-brain barrier alter the migration of metastatic breast tumor cells."
1:50 – 2:10  Efsun Arda, NCI
“A chromatin basis for lineage and disease risk in the human pancreas”
2:10 – 2:30  Udayan Guha, NCI
“Tumor heterogeneity and targeted therapy resistance”
2:30 – 2:50  Ben Shapiro, UMD
"Magnetic Control of Therapy to Hard-to-Reach Targets: Magnets, Nano-Particles, and Animal Testing"
2:50 – 3:30  Break and posters

Session 3  chair: Grégoire Altan-Bonnet
3:30 – 4:30  Keynote: Eytan Ruppin, NCI
"Urea cycle dysregulation, pyrimidine biased mutations and enhanced checkpoint inhibitors' response"

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