



Partnership for Integrative Cancer Research



Registration:
ter.ps/nciumd

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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