

**VirginiaDrugDiscoveryRx:
Emerging Targets, Technologies, and Therapeutics for Cancer and
Neuroscience**

**May 21-22, 2019
Hotel Roanoke, Roanoke VA**

DAY 1 Chairs (tbd)

- 11:00 am Registration opens
- 1:00 pm Symposium Opens:
Welcome from David G. I. Kingston (Virginia Tech), Meeting Chair
Welcome from Jeff Gallagher, President, VirginiaBio
- 1:15 pm **Keynote 1:** Laura Bohn (Scripps Research Institute)
“Harnessing opioid receptor function to improve physiological responses”
- 1:55 pm Keynote Q & A
- 2:00 pm **Keynote 2:** Judy Leopold (University of Michigan)
“Precision Polypharmacology: A Rational Design Approach to Cancer Drug Resistance”
- 2:40 pm Keynote Q & A
- 2:45 pm **Invited Talk 1:** Phil Bourne (University of Virginia)
“Drug Discovery in the Age of Data Science”
- 3:00 pm **Coffee break/Poster Session**
- 4:00 pm **Keynote 3:** Craig Lindsley (Vanderbilt University)
“CNS Drug Discovery in an Academic Environment”
- 4:40 pm Keynote Q & A
- 4:45 pm **Invited Talk 2:** P. Read Montague (Fralin Biomedical Research Institute at Virginia Tech Carilion & Department of Physics, Virginia Tech) “Addiction is a Computational Disease”

- 5:00 pm **Invited Talk 3:** Xiang-Yang Wang (Virginia Commonwealth University)
“Developing the Next Generation of Immune Modulator for Improved Cancer Immunotherapy”
- 5:15 pm **Panel Discussion 1:** Big Data and Drug Discovery
Phil Bourne (University of Virginia), Chair
- 6:15 pm Beer & Biotech Mixer
- 7:30 pm Dinner
- 8:30 pm After-Dinner remarks by Mike Friedlander (Fralin Biomedical Research Institute at Virginia Tech Carilion)
- Day 2 Chairs (tbd)
- 7:30 am Breakfast
- 8:30 am Welcome to Day 2:
- 8:35 am **Keynote 4:** Susan Band Horwitz (Albert Einstein College of Medicine)
“Taxol, tubulin, and tumors: a story of drug development”
- 9:15 am Keynote Q & A
- 9:20 am **Keynote 5:** Susan Amara (NIH)
“Dynamic regulation of signaling in dopamine neurons: new pathways for neuropsychiatric drug discovery ”
- 10:00 am Keynote Q & A
- 10:05 am **Coffee break/Poster Session**
- 11:00 am **Panel Discussion 2:** “How to move your project towards commercialization and win a Catalyst award”
Jim Powers (Hemoshear), Chair
- 12:00 pm **Lunch and Sponsor Presentations** (Advion, VCU Innovation Gateway)
- 1:00 pm **Invited Speaker 4:** Saleet Jafri (George Mason University)
“Translational Applications of Protein Structure Simulation: Predicting Phenotype of Missense Variants”

- 1:15 pm **Invited Speaker 5:** O. John Semmes (Eastern Virginia Medical School)
 “Building Multi-Omic Disease Models of Cancer to Drive Personalized
 Medicine”
- 1:30 pm **Invited Speaker 6:** Nominee from SRI
 title: tbd
- 1:45 pm **Gold Sponsor:** The Medicines For All Initiative
 B. Frank Gupton (Virginia Commonwealth University)
- 2:15 pm **Keynote 6:** Donna Hurn (University of Pittsburgh)
 “Development of Novel Inhibitors of the AAA ATPase p97 to Interrogate Novel
 Biology and Fuel Drug Discovery”
- 2:55 pm Keynote Q & A
- 3:00 pm Symposium Wrap-up
- 3:15 pm Meeting close
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