# VirginiaDrugDiscoveryRx:
Emerging Targets, Technologies, and Therapeutics for Cancer and Neuroscience
May 21-22, 2019
Hotel Roanoke, Roanoke VA

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>11:00 am</td>
<td>Registration opens &lt;br&gt;Roanoke Foyer</td>
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<tr>
<td>1:00 pm</td>
<td>Symposium Opens &lt;br&gt;Roanoke Ballroom (DGH)</td>
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<tr>
<td></td>
<td>Welcome from a Member of Roanoke City Government</td>
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<td>Welcome from David G. I. Kingston (Virginia Tech), Meeting Chair</td>
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<td>Welcome from Jeff Gallagher, CEO, Virginia Bio</td>
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<tr>
<td>1:15 pm</td>
<td>Keynote 1: Laura Bohn (Scripps Research Institute) &lt;br&gt;“Harnessing opioid receptor function to improve physiological responses”</td>
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<tr>
<td>1:55 pm</td>
<td>Keynote Q &amp; A</td>
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<tr>
<td>2:00 pm</td>
<td>Keynote 2: Judy Leopold (University of Michigan) &lt;br&gt;“Precision Polypharmacology: A Rational Design Approach to Cancer Drug Resistance”</td>
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<tr>
<td>2:40 pm</td>
<td>Keynote Q &amp; A</td>
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<tr>
<td>2:45 pm</td>
<td>Invited Talk 1: Phil Bourne (University of Virginia) &lt;br&gt;“Drug Discovery in the Age of Data Science”</td>
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<td>3:00 pm</td>
<td>Coffee break/Poster Session &lt;br&gt;Roanoke Ballroom (AB)</td>
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<tr>
<td>4:00 pm</td>
<td>Keynote 3: Craig Lindsley (Vanderbilt University) &lt;br&gt;“CNS Drug Discovery in an Academic Environment” &lt;br&gt;Roanoke Ballroom (DGH)</td>
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<td>4:40 pm</td>
<td>Keynote Q &amp; A</td>
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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
*Roanoke Ballroom (AB)*

7:30 pm  Dinner
*Crystal Ballroom*

8:30 pm  After-Dinner remarks by Mike Friedlander (Fralin Biomedical Research Institute at Virginia Tech Carilion)

Day 2 Chairs  (Elizabeth Sharlow, Umesh Desai)

8:00 am  Continental Breakfast
*Roanoke Ballroom (AB)*

8:30 am  Welcome to Day 2
*Roanoke Ballroom (DGH)*

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**
*Roanoke Ballroom (AB)*
11:00 am  **Panel Discussion 2:** “Key success factors for early stage companies”
Jim Powers (Hemoshear, Chair), Jeff Conroy (Embody), Cohava Gelber (Serpin Pharma), Robert Lloyd (BrightSpec), Webster Santos (Continuum Bio & Flux Therapeutics)
*Roanoke Ballroom (DGH)*

12:00 pm  **Lunch and Sponsor Presentations** (Advion, VCU Innovation Gateway)
*Roanoke Ballroom (CEF)*

1:00 pm  **Invited Speaker 4:** Saleet Jafri (George Mason University)
“Translational Applications of Protein Structure Simulation: Predicting Phenotype of Missense Variants”
*Roanoke Ballroom (DGH)*

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:** Warren Bickel (Fralin Biomedical Research Institute at Virginia Tech Carilion)
“Addiction: Identifying a Novel Determinant of Drug Valuation“

1:45 pm  **Gold Sponsor:** The Medicines For All Initiative
B. Frank Gupton (Virginia Commonwealth University)

2:15 pm  **Keynote 6:** Donna Huryn (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