

Friday, September 21, 2018  
Day 1

7:00 am-8:00 am	Registration & Breakfast
8:00 am-8:15 am	Opening Remarks/Welcome Mark Leid (OSU), Gaurav Sahay (OSU)

Session I  
Chair: Adam Alani (OSU) and Debadyuti (Rana) Ghosh (UT-Austin)

8:15 am-8:45 am	<i>Transvascular Pumping of Antibodies and Nanocarriers by Caveolae Enhances Drug Delivery and Efficacy,</i> Jan Schnitzer, PRISM
8:45 am-9:15 am	<i>Polymeric Nanomaterials for Drug Delivery and Nanomedicine,</i> Alexander "Sasha" Kabanov, UNC-Chapel Hill
9:15 am-9:45 am	<i>Nanoscale Pathology in Cancer,</i> Joe Gray, OHSU
9:45 am-10:15 am	Coffee Break
10:15 am-10:45 am	<i>Acoustic and Photoacoustic Imaging to Monitor Drug Delivery,</i> Jesse Jokerst, UCSD
10:45 am-11:15 am	<i>pH Digital Medicine for Cancer Surgery and Immunotherapy,</i> Jinming Gao, UT-Southwestern
11:15 am-11:45 am	<i>Harnessing Protease Activity as "Biological Bits" for Programmable Medicine,</i> Gabriel Kwong, Georgia Tech
11:45 am-1:30 pm	Lunch Break, Poster Session and Exhibition

Session II  
Chair: Conroy Sun (OSU) and John Wilson (Vanderbilt Univ)

1:30 pm-2:00 pm	<i>Nanotechnology Approaches for Inhalation Treatment of Lung Diseases,</i> Tamara Minko, Rutgers Univ
2:00 pm-2:30 pm	<i>Personalized Cancer Nanomedicines,</i> Avi Schroeder Technion-Israel Institute of Technology
2:30 pm-3:00 pm	<i>Imaging Tumor Permeability and Overcoming Delivery Barrier,</i> Jianghong Rao, Stanford Univ
3:00 pm-3:30 pm	Coffee Break
3:30 pm-4:00 pm	<i>Nanoparticles, Radiation and Cancer Treatment,</i> Andrew Z. Wang, UNC-Chapel Hill
4:00 pm-4:30 pm	<i>Improving Taxanes for Injection by Oligo(lactic acid) Prodrug and Poly(ethylene glycol)-block-poly(lactic acid) Micelle Nanotechnology,</i> Glen Kwon, U Wisconsin-Madison
4:30 pm-4:45 pm	<i>Late Breaking Topic</i>
4:45 pm-5:00 pm	Break
5:00 pm-5:45 pm	<i>Future of Nanomedicine</i> Moderator: Sanyogitta Puri (AstraZeneca)
5:45 pm-8:30 pm	Welcome Reception

**Saturday, September 22, 2018  
Day 2**

7:00 am-8:15 am

Registration & Breakfast

**Session III**

**Chair: Oleh Taratula (OSU) and Daniel Siegwart (UT Southwestern)**

8:15 am-8:45 am

*Nucleic Acid Delivery Systems for RNA Therapy and Gene Editing,*  
Daniel Anderson, MIT

8:45 am-9:15 am

*Lipid Nanoparticles for Systemic Delivery of RNAi Therapeutics:  
From Concept to Reality,*  
Martin Maier Alnylam Pharm

9:15 am-9:45 am

*Messenger RNA: A Novel Therapeutic Modality,*  
Orn Almarsson, Moderna Therapeutics

9:45 am-10:15 am

Coffee Break

10:15 am-10:45 am

*Localized Delivery to the Central Nervous System*  
Suzie Pun, Univ Washington-Seattle

10:45 am-11:15 am

*Mice with Human Livers,*  
Markus Grompe, OHSU

11:15 am-11:45 am

*Development of Nanomaterials for mRNA Therapeutics and Genome Editing,*  
Yizhou Dong, Ohio State Univ

11:45a-1:30 pm

Lunch Break, Poster Session and Exhibition

**Session IV**

**Chair: Siddharth Jhunjhunwala (IISc-Bangalore) and Wassana Yantasse (OHSU)**

1:30 pm-2:00 pm

*Cell Membrane-Coated Nanoparticles as a Vaccine Delivery Platform,*  
Liangfang Zhang, UCSD

2:00 pm-2:30 pm

*Emerging Organ Models and Organ Printing for Regenerative Medicine,*  
Ali Khademhosseini, UCLA

2:30 pm-3:00 pm

*Ex Vivo Immune Organoids to Model Epigenetics &  
Transcriptional Feedback Loop in Humoral Immunity,*  
Ankur Singh, Cornell Univ

3:00 pm-3:30 pm

Coffee Break

3:30 pm-4:00 pm

*Molecular Frontiers in Drug Delivery,*  
Arturo Vegas, Boston Univ

4:00 pm-4:30 pm

*Journey from academic discoveries towards commercialization,*  
Paulina Hill, Polaris Partners

4:30 pm-5:30 pm

Career(s) in Science  
Moderator: Allison DuRoss (OSU) and Vidhi Shah (OSU)

5:30 pm-5:45 pm

Poster Awards

6:00 pm-8:30 pm

Networking Event

Sunday, September 23, 2018  
Day 3

7:00 am-8:00 am

Registration & Breakfast

**Session V: Late Breaking Topics/Selected Posters**

**Chair: Danny Hung-Chieh Chou ( Univ of Utah) and Robert Dorkin (CRISPR Therapeutics)**

8:15 am-9:30am

Late Breaking Topics

9:30 am-10:30 am

Poster Presenters

10:30 am-11:00 am

Coffee Break

**Session VI: Closing Session**

**Chair: Olena Taratula (OSU) and Deepa Rao (Pacific Univ)**

11:00 am-11:30 am

*Development and Pre-Clinical Testing of Localized Drug Delivery Systems in Canines with Spontaneous Cancers,*  
Laird Forrest, Kansas Univ

11:30 am-12:00 pm

*Polymeric Nanocarriers for Combination Therapy,*  
Tatiana Bronich, Univ of Nebraska Medical Center

12:00 pm-12:30 pm

*Safety Considerations for Silica Nanoparticles and Poly(amido amine) Dendrimers,*  
Hamid Ghandehari, Univ of Utah

12:30 pm-12:40 pm

Closing: Gaurav Sahay, OSU