Program

9:15 am
Registration and Coffee

10:00 am
Introduction by Dr. Seva Katritch and Dr. Charles McKenna, CNT3D co-directors

10:10 am
Greetings from Dr. Stephen Bradforth, Senior Advisor to the Dornsife Dean for Research Strategy and Development

10:15 am–12:30 pm Session 1. New Technologies in Drug Discovery Developed at USC Dornsife

Chairs: Dr. Charles McKenna and Dr. Seva Katritch

10:15 am Le Trinh PhD: Zebrafish as a Model for Studying Protein Clearance

10:35 am Vadim Cherezov PhD: Structural Biology Approaches for GPCR Drug Discovery

11:00 am Seva Katritch PhD: Discovery of Novel Hits and Leads at Giga-Scale by V-SYNTHES and Bitopic Design

11:25 am Charles McKenna PhD: Making Drugs Better: Design and Delivery

11:50 am Valery Fokin PhD: Addressing Complexity with Covalent Interactions: from Functional Probes to Selective Therapeutics

12:10 pm Kate White PhD: Quantitative 3D Mapping of Insulin Vesicle Maturation in Beta Cells

12:30 – 1:40 pm Lunch and Poster Session

1:40 pm Greetings from Dr. Ishwar Puri, Senior Vice President, Research and Innovation

1:45 – 3:15 pm Session 2. Programs and Initiatives in Drug Discovery and Development at USC

Chair: Dr. Steve Kay, Director of Convergent Biosciences, Co-Director of the USC Norris Center

1:45 pm Melissa Rodgers PhD: MESH Academy: A Personalized Service for Bioscience Innovations and Cancer Drug Development

2:00 pm Hussein Yassine PhD: Drug Discovery for Neuroinflammation in APOE4 Alzheimer’s Disease

2:20 pm Yali Dou PhD: Targeting MLL in Acute Leukemia

2:40 pm Delisha Patel PhD: Academic Core Facilities: Source for New Technologies and Services

2:55 pm Oskar Sundberg: Biotech Connection Los Angeles

3:05 pm Benjamin Wild MSci: IP Support of Drug Discovery

Industry participants include Amgen, Takeda, Eli Lilly, Gilead

3:15 – 4:00 pm Discussion Panel
Lead: Dr. Moh El Naggar, Divisional Dean for the Physical Sciences and Mathematics

4:00 – 5:00pm Reception