

The 3rd Drug Discovery Innovation Workshop

February 28th, 2025
10am – 5pm



Location:

Michelson Center
for Convergent Bioscience
1002 Childs Way, MCB 101/102
Los Angeles, California 90089

PROGRAM

Students and postdocs are invited to present posters on their research related to Drug Discovery and Development – please do not forget to indicate this in the registration form

Please Register at:



Website:

https://dornsife.usc.edu/bridge-institute/cnt3d_workshop_2025

CONTACT:

bridgeinstitute@usc.edu
213-821-9823

Vsevolod “Seva” Katritch
katritch@usc.edu

Charles McKenna
mckenna@usc.edu

9:30 am	Check-in and Coffee
10:00 am	Introduction by Dr. Vsevolod Katritch and Dr. Charles McKenna, CNT3D co-directors
10:10 am	Greetings from Dr. Ishwar Puri, Senior Vice President, Research and Innovation and Dr. Stephen Bradforth, Professor of Chemistry and Executive Vice Dean of USC Dornsife
10:20 am – 12:15 pm	Session 1. New Technologies in Drug Discovery and Development at USC Chair: Dr. Steve Kay , University and Provost Professor of Neurology, Biomedical Engineering and Biological Sciences, Director of Convergent Bioscience
10:20 am	Dr. Hussein Yassine (USC): Development of Calcium-Dependent Phospholipase A2 Inhibitors to Target Cellular Senescence and Oxidative Stress in Neurodegenerative Diseases.
10:45 am	Dr. Denis Evseenko (USC): Development of a Clinical-stage Small Molecule Drug for Osteoarthritis in Academia: Progress Made and Challenges Remaining.
11:10 am	Dr. Neel Patel (NVIDIA): Accelerating Drug Discovery with NVIDIA BioNeMo.
11:35 am	Dr. Eun Ji Chung (USC): Engineering Biomimetic Nanotherapeutics for Gene Therapy.
11:50 am	Dr. Cristina Zavaleta (USC): Development of a New Multiplexed Molecular Imaging Strategy to Enable Drug Discovery.
12:15–1:30 pm	Lunch and Poster Session
1:30 – 3:10 pm	Session 2. Programs and Initiatives in Drug Discovery and Development Chair: Dr. Remo Rohs , Professor of Quantitative and Computational Biology, Chemistry, Physics and Astronomy, Computer Science and Medicine
1:30 pm	Dr. Michelle Arkin (UCSF): New Targets and New Technologies in Academic Drug Discovery
2:10 pm	Dr. Susruta Majumdar (WashU): Precise Control of Potency, Efficacy and Bias at GPCRs to Design Novel Analgesics.
2:40 pm	Dr. R. Michael van Dam (UCLA): High-throughput techniques for radiopharmaceutical development. Industry participants: Amgen, Takeda, Eli Lilly, Gilead, and other SoCal companies
3:10 – 4:00 pm	Discussion Panel Lead Dr. Charles McKenna , Professor of Chemistry and Pharmacology and Pharmaceutical Sciences
4:00 – 5:00 pm	Reception