

# The 3<sup>rd</sup> Drug Discovery Innovation Workshop

Organized by CNT3D, MESH Academy and Bridge Institute

February 28th, 2025  
10am – 5pm



## Location:

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

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](https://dornsife.usc.edu/bridge-institute/cnt3d_workshop_2025)

## CONTACT:

[bridgeinstitute@usc.edu](mailto:bridgeinstitute@usc.edu)  
213-821-9823

Vsevolod “Seva” Katritch  
[katritch@usc.edu](mailto:katritch@usc.edu)

Charles McKenna  
[mckenna@usc.edu](mailto:mckenna@usc.edu)

## PROGRAM

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	<b>Session 1. New Technologies in Drug Discovery and Development at USC</b> <b>Chair: Dr. Steve Kay</b> , University and Provost Professor of Neurology, Biomedical Engineering and Biological Sciences, Director of Convergent Bioscience; Co-Director of the USC Norris Center for Cancer Drug Development; Acting Director of the Zilkha Neurogenetic Institute and Acting Chair of Physiology & Neuroscience
10:20 am	<b>Dr. Hussein Yassine (USC):</b> Development of Calcium-Dependent Phospholipase A2 Inhibitors to Target Cellular Senescence and Oxidative Stress in Neurodegenerative Diseases.
10:45 am	<b>Dr. Denis Evseenko (USC):</b> Development of a Clinical-stage Small Molecule Drug for Osteoarthritis in Academia: Progress Made and Challenges Remaining.
11:10 am	<b>Dr. Neel Patel (NVIDIA):</b> Accelerating Drug Discovery with NVIDIA BioNeMo.
11:35 am	<b>Dr. Eun Ji Chung (USC):</b> Engineering Biomimetic Nanotherapeutics for Gene Therapy.
11:50 am	<b>Dr. Cristina Zavaleta (USC):</b> 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	<b>Session 2. Programs and Initiatives in Drug Discovery and Development</b> <b>Chair: Dr. Remo Rohs</b> , Professor of Quantitative and Computational Biology, Chemistry, Physics and Astronomy, Computer Science and Medicine
1:30 pm	<b>Dr. Michelle Arkin (UCSF):</b> TBA
2:10 pm	<b>Dr. Susruta Majumdar (WashU):</b> Precise Control of Potency, Efficacy and Bias at GPCRs to Design Novel Analgesics.
2:40 pm	<b>Dr. R. Michael van Dam (UCLA):</b> High-throughput techniques for radiopharmaceutical development. <b>Industry participants: Amgen, Takeda, Eli Lilly, Gilead, and other SoCal companies</b>
3:10 – 4:00 pm	Discussion Panel
4:00 – 5:00 pm	Reception