

# The 3<sup>rd</sup> 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

<b>9:30 am</b>	<b>Check-in and Coffee</b>
<b>10:00 am</b>	<b>Introduction by Dr. Vsevolod Katritch and Dr. Charles McKenna,</b> CNT3D co-directors
<b>10:10 am</b>	<b>Greetings from Dr. Ishwar Puri,</b> Senior Vice President, Research and Innovation <b>and Dr. Stephen Bradforth,</b> Professor of Chemistry and Executive Vice Dean of USC Dornsife
<b>10:20 am – 12:15 pm</b>	<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
<b>10:20 am</b>	<b>Dr. Hussein Yassine (USC):</b> Development of Calcium-Dependent Phospholipase A2 Inhibitors to Target Cellular Senescence and Oxidative Stress in Neurodegenerative Diseases.
<b>10:45 am</b>	<b>Dr. Denis Evseenko (USC):</b> Development of a Clinical-stage Small Molecule Drug for Osteoarthritis in Academia: Progress Made and Challenges Remaining.
<b>11:10 am</b>	<b>Dr. Neel Patel (NVIDIA):</b> Accelerating Drug Discovery with NVIDIA BioNeMo.
<b>11:35 am</b>	<b>Dr. Eun Ji Chung (USC):</b> Engineering Biomimetic Nanotherapeutics for Gene Therapy.
<b>11:50 am</b>	<b>Dr. Cristina Zavaleta (USC):</b> Development of a New Multiplexed Molecular Imaging Strategy to Enable Drug Discovery.
<b>12:15–1:30 pm</b>	<b>Lunch and Poster Session</b>
<b>1:30 – 3:10 pm</b>	<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
<b>1:30 pm</b>	<b>Dr. Michelle Arkin (UCSF):</b> New Targets and New Technologies in Academic Drug Discovery
<b>2:10 pm</b>	<b>Dr. Susruta Majumdar (WashU):</b> Precise Control of Potency, Efficacy and Bias at GPCRs to Design Novel Analgesics.
<b>2:40 pm</b>	<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>
<b>3:10 – 4:00 pm</b>	<b>Discussion Panel</b> <b>Lead Dr. Charles McKenna,</b> Professor of Chemistry and Pharmacology and Pharmaceutical Sciences
<b>4:00 – 5:00 pm</b>	<b>Reception</b>

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)

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