All sessions take place on the 17th floor of East Village, Northeastern University

Preliminary Schedule subject to change

PROGRAM SCHEDULE

Thursday, August 7th, 2025

Morning Sessions

7:30am - 8:45am	*Continental Breakfast*
8:45am - 9:00am	*Welcome Remarks:* **Dean Carmen Scepa** **Alexandros Makriyannis**
9:00am -	*Session 1:* *Presider:*
9:00am - 9:20am	**Jill Turner** University of Kentucky Transcriptomic Markers of Susceptibility to Escalate Fentanyl
9:20am - 9:40am	**Tom Prisinzano** University of Kentucky Using Conformational Constraint to Combat the Opioid Epidemic
9:40am - 10:00am	**Lakshmi Devi** Icahn School of Medicine at Mount Sinai Modulation of the Endogenous Opioid System by Ketamine by Acting as an Allosteric Modulator of Opioid Receptors
10:00am -10:20am	**Edward Stahl** Herbert Wertheim Scripps Institute Bidirectional Signaling by the mu-Opioid Receptor
10:20am - 10:30am	**Joshua M. Watkins** Indiana University, Bloomington Xylazine Exacerbates Fentanyl-Induced Respiratory Depression
10:30am - 11:00am	*Coffee Break*
11:00am -	*Session 2: 10th Anniversary Founders Session* *Presider:Laura Bohn*
11:00am - 11:40am	*10th Anniversary Founders Address* **Alexandros Makriyannis** Center for Drug Discovery The Medical Potential of the Endocannabinoid System
11:40am - 12:00pm	**Maria Gerasi** Center for Drug Discovery Development of Dual CB1 Antagonists/CB2 Agonists
12:00pm - 12:20pm	**Margaret Haney** Columbia University Signalling-Specific Inhibition of the CB1 receptor: Effects on cannabis intoxication, self-administration, and treatment of Cannabis Use Disorder.
12:20pm - 12:30pm	**Anita Khasnavis** UMass Chan Medical School Targeting Platelet-Derived Growth Factor Receptor Beta and Keratinocytes to Make Opioids Safer.
12:30pm - 2:00pm	*Lunch*

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Afternoon Sessions

2:00pm -	*Session 3:* *Presider:*
2:00pm - 2:50pm	*Keynote Address* **Georgios Skiniotis** St. Jude Children's Research Hospital Update on CryoEM
2:50 pm - 3:10pm	**Kaavya Kumar** Weill Cornell Medical College Cryoem of Cannabinoid Receptors
3:10 pm - 3:30pm	**Patrick Still** NCCIH Research Opportunities at NCCIH
3:30pm - 4:00pm	*Coffee Break*
4:00pm-	*Session 4:* *Presider:*
4:00pm - 4:20pm	**Aron Lichtman** Virginia Commonealth University Targeting Monoacylglycerol Lipase to Reduce Chronic Pain in a Humanized Model of Sickle Cell Disease
4:20pm - 4:40pm	**Robert Nshimiyimana** Harvard Medical School Resolvins: Biosynthesis and Total Synthesis of Potent Mediators of Resolution of Inflammation
4:40pm - 5:00pm	**Lida Khodavirdilou** Texas Tech University Health Sciences Center Mitragynine as a Potential Therapeutic for Methamphetamine Use Disorder without Impacting Food-Motivated Behavior
5:00pm - 5:10pm	**Chris Chang** Colorado State University Enhancing Chemistry and Chemical Biology Education for a Broader Audience Using the Chemistry and Pharmacology of Drug Abuse As an Educational Model
5:10pm - 5:30pm	**James Allen Frank** Oregon Health and Science University Chemical Biology Tools to Control Cannabinoid Signaling Pathways with Light