

# ASRC & The City College of New York

## Seminar in Biochemistry, Biophysics & Biodesign - Spring 2023

Speakers will be via Zoom or in-person as noted

Wednesdays at 12:00 Noon

The ASRC Main Auditorium will be open for both Zoom-only and in-person seminars. Social distancing in the auditorium is no longer required. Masks are required only for those who have recently tested positive for Covid-19, or had close contact with someone who tested positive. A CUNY Cleared4 Pass is still required to enter the building for faculty, staff, and students. For non-CUNY attendees: advance registration is required; please contact Hyacinth Camillieri at [hcamillieri@gc.cuny.edu](mailto:hcamillieri@gc.cuny.edu) for entry to the ASRC no later than 2 days prior to the seminar you are attending.

DATE	SPEAKER	AFFILIATION	ZOOM / IN-PERSON	TITLE
2/8	<b>Pilar Cossio</b> Research Scientist and Project Leader for Structural & Molecular Biophysics	<i>Flatiron Institute Ctr for Comput'l Math. New York, NY</i>	ZOOM + IN- PERSON	Free energies from cryoEM particles
2/15	<b>Tanja Mittag</b> Member, St. Jude Faculty Structural Biology Department	<i>St. Jude Children's Research Hospital Memphis, TN</i>	ZOOM	Concepts in phase separation – from sequence-encoded driving forces to material properties
2/22	<b>Giovanna Ghirlanda</b> Professor School of Molecular Sciences	<i>Arizona State Univ Tempe, AZ</i>	ZOOM	Artificial metalloproteins by design
3/1	<b>Petra Levin</b> Professor Department of Biology	<i>Washington University in St. Louis St. Louis, MO</i>	ZOOM + IN- PERSON	Bacteria vs Environment: How very small organisms survive and thrive in a very big world
3/8	<i>No seminar</i>			
3/15	<b>Anna-Lena Steckelberg</b> Assistant Professor Dept. of Biochem. & Molecular Biophys	<i>Columbia University Irving Medical Center New York, NY</i>	ZOOM + IN- PERSON	Viral RNA structures as master manipulators of the cellular RNA decay machinery
3/22	<b>Joshua Levitz</b> Associate Professor Dept. of Biochemistry	<i>Weill Cornell Medicine New York, NY</i>	ZOOM + IN- PERSON	Mechanisms of Activation and Regulation of Metabotropic Glutamate Receptors
3/29	<b>Nicholas Polizzi</b> Asst Prof, Biological Chemistry and Molecular Pharmacology	<i>Harvard Medical School Dana Farber Cancer Inst. Cambridge, MA</i>	ZOOM + IN- PERSON	Designing ligand-binding proteins from scratch
4/5	<i>Spring break</i>			
4/12	<i>Spring break</i>			
4/19	<b>Babis Kalodimos</b> Chair, Dept of Structural Biology Chair in Basic Research	<i>St. Jude Children's Research Hospital Memphis, TN</i>	ZOOM + IN- PERSON	The conformational landscape of protein kinases in physiology and disease
4/26	<b>Catherine L. Drennan</b> Professor Departments of Biology and Chemistry	<i>MIT Howard Hughes Med Inst Cambridge, MA</i>	ZOOM + IN- PERSON	Capturing Snapshots of Metalloenzymes in Action
5/3	<b>Yingkai Zhang</b> Professor Department of Chemistry	<i>New York University New York, NY</i>	ZOOM + IN- PERSON	Integrating Machine Learning and Molecular Modeling for Drug Design
5/10	<b>May Khanna</b> Associate Professor Molecular Pathobiology	<i>NYU College of Dentistry New York, NY</i>	ZOOM + IN- PERSON	Chemical biology, structure-based approach to targeting protein-protein and protein-RNA interactions for AD/ADRD therapeutics