

All times listed are Eastern Time (ET). Sessions will be hosted in-person.

- 9:00 A.M. Registration and Breakfast/Coffee
- 9:30 A.M. NanoBioNYC Introduction and Announcements
[Prof. Rein V. Ulijn](#), Director of NanoBioNYC and ASRC Nanoscience Initiative
- 9:40 A.M. Welcome Remarks
[Dr. Josh Brumberg](#), President, The Graduate Center
- Keynote Addresses:
- 9:45 A.M. [From Function to Fate: Computation and AI Across the Nano–Bio Interface](#)
[Dr. Sara Mason](#), Brookhaven National Lab
- 10:25 A.M. [Nanoengineering for the Detection and Treatment of Cancer](#)
[Dr. Daniel Heller](#), Memorial Sloan Kettering Cancer Center
- 11:05 A.M. Break
- 11:10 A.M. Session 1: Cross-Cutting Computational Research
Session Chair [Prof. Yolanda Small](#), York College, CUNY OAA
- 11:15 A.M. [\$\beta\$ -sheet-Driven Structures via Simulation Approaches](#)
[Prof. Baofu Qiao](#), Baruch College
- 11:35 A.M. [Modeling the Stereoelectronic Effects of Glycosylation Dynamics with Machine-Learned Interatomic Potentials](#)
Eugene Chung, Hunter College
- 11:50 A.M. [Photowhittling: A biomimetic polyprenyl chain-shortening in phenolic precursors to plant defense molecules](#)
Akshaya Iyer, Brooklyn College
- 12:05 P.M. **Lunch – ASRC Cafe**
Catering from [Yemeni Restaurant](#) – certified Halal
Kosher options from [Holy Schnitzel](#) – OK Kosher Certification
- 1:05 P.M. Session 2: Bio-Inspired Design of Functional Materials/Interfacing Nanotechnology and Biology
Session Chair [Prof. Alexander Greer](#), Brooklyn College
- 1:10 A.M. [The Creation of Radiotheranostics for Atypical Teratoid Rhabdoid Tumor](#)
[Prof. Brian Zeglis](#), Hunter College
- 1:30 P.M. [Modifying Complex Coacervates Through pH Adjustment](#)
Emily Charleson, The City College of New York
- 1:45 P.M. [Dynamic surfactants for biomolecular condensate stabilization](#)
Pooja Chakraborty, Brooklyn College
- 2:00 P.M. [Optimized Expression and Temperature-Dependent Structural Dynamics of Recombinant Human Tropoelastin](#)
Giovanni Crump, The City College of New York

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2:15 P.M. **Poster Presentations – Ground Floor**

3:15 P.M. Session 3: Green Materials and Energy Solutions
Session Chair [Prof. Yuemei Ye](#), Lehman College

3:20 P.M. [Molecules to Materials: Biomass as A Platform for Molecular Design](#)
[Prof. George John](#), The City College of New York

3:40 P.M. [Interfacial Water Confinement Couples Hygroactuation and Mechanical Robustness in Free-standing Biocomposites](#)
[Yuchen Zhang](#), Advanced Science Research Center

3:55 P.M. [MALDI-MS2 ion trap quantification of Cu-GHK](#)
[Diana Rodriguez](#), York College

4:10 P.M. Session 4: Career Pathways
Session Chair **Crisol Aguirre Ortiz**, Biochemistry, ASRC, NanoBioNYC Cohort III

4:15 P.M. [Fariha Reza](#), Biochemistry, CCNY, NanoBioNYC Cohort II
EVP, Activator, [Nucleate NY](#)

Alumni Chat
4:20 P.M. [Dr. Jui Chaugule](#), Head of Research, [ProViZiGen](#)

[Dr. Adanna Alexander](#), VP Investor Relations, [ICR Healthcare U.S.](#)

[Dr. Rob Collison](#), Research Scientist, [Advanced Science Research Center](#)

5:10 P.M. Break

5:15 P.M. Presentation Award Announcements

5:25 P.M. Closing Remarks