

Institute for Quantitative Biomedicine (IQB)

SEMINAR PROGRAM



Last Updated: 10/11/2023

FALL 2023

Wednesdays, 12:00 PM

In Person: Proteomics Building, Room 120

Zoom: go.rutgers.edu/fl1cvodr



September 27

Geoff Perumal
Thermo Fisher Scientific

*Cryo Electron Tomography (cryo ET)
Workflow and Approach Improvements:
Techniques to Yield More Impactful Lamellae*



November 8

Stephen K. Burley
Rutgers University

*Protein Data Bank: From Two Epidemics to
the Global Pandemic to mRNA Vaccines
and Paxlovid*



October 11

Squire Booker
Penn State University

*A Radical Solution for C(sp³)-C(sp³)
Bond Formation during the Biosynthesis
of Macrocyclic Membrane Lipids*



November 15

Aaron Robart
West Virginia University

Structural Studies of Nucleic Acid Catalysis



October 18

John D. Chodera
Memorial Sloan Kettering Cancer Center

*The COVID Moonshot and Beyond:
Accelerating Structure-based Antiviral
Discovery with Open Science*



November 29

Jeffrey J. Gray
Johns Hopkins University

*Artificial Intelligence Tools for Antibody
Engineering and Protein Docking*



October 25

Judit Penzes
Rutgers University

*Sequencing-free Discovery by Cryo-EM
of a Pathogenic Parvovirus Causing Mass
Mortality of Farmed Beetles*



December 13

Anders B. Laursen
RenewCO2 Inc.

*Making Value Added Products from Carbon
Dioxide from Laboratory Research to
Pilot Scale*

RUTGERS



Institute for Quantitative
Biomedicine (IQB)
iqb.rutgers.edu



RCSB Protein Data Bank
(RCSB PDB)
rcsb.org

More information: iqb.rutgers.edu/seminars

Rutgers, The State University of New Jersey
174 Frelinghuysen Rd.
Piscataway, NJ 08854-8076

Contact: **Michelle Sanghera**
P: 848-445-8102 | E: msanghera@iqb.rutgers.edu