

# Institute for Quantitative Biomedicine (IQB) SEMINAR PROGRAM



Last Updated: 08/30/2022

**FALL 2022**

**Time: Wednesdays, 12:00 PM**

**Zoom link: [go.rutgers.edu/xln6anh](https://go.rutgers.edu/xln6anh)**



**September 21**

**Squire Booker**  
Penn State University

*Biochemical, Spectroscopic, and Structural Basis for tRNA Methylation*



**October 26**

**Stephen K. Burley**  
Rutgers University

*Exploring Computed Structure Models from Artificial Intelligence/Machine Learning at RCSB Protein Data Bank (RCSB.org)*



**September 28**

**Irina Sorokina**  
Strenic LLC

*Modeling Protein Folding in vivo as a Thermodynamically Unfavorable, Active, Energy-dependent Process*



**November 9**

**Andras Fiser**  
Albert Einstein College of Medicine

*A Pharmacophore Approach to Identify and Design Protein-Protein Interactions in the Immune Synapse*



**October 12**

**Zheng Yang**  
Amazon Web Services

*Accelerating Drug Discovery and Medical Science via Cross-Functional Global Collaboration*



**November 16**

**Anum A. Glasgow**  
Columbia University

*Allosteric Mechanisms for Transcription Factors with Structurally Similar Functional States*



**October 19**

**Ellen Zhong**  
Massachusetts Institute of Technology

*CryoDRGN: Reconstructing dynamic protein structures from cryo-EM images*



**November 30**

**Jonathan Auguste**  
Virginia Tech University

*Enemy of my Enemy: A novel insect-specific flavivirus offers a promising platform for flavivirus vaccines*

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Institute for Quantitative Biomedicine (IQB)



RCSB Protein Data Bank (RCSB PDB)

More information: [iqb.rutgers.edu/seminars](https://iqb.rutgers.edu/seminars)

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