

Department of Biochemistry and Biophysics 2024 Fall Seminar Series

Seminars to be held in-person in K-307 (3-6408) on select Wednesdays at 2 pm unless otherwise noted. Please see emailed seminar announcements for confirmation of room numbers. Details are also available on the Department webpage: <https://www.urmc.rochester.edu/biochemistry-biophysics/events.aspx>

There will be pre-seminar gathering starting at 1:30 pm in K307 where faculty/students can interact & enjoy cookies/coffee.

- September 25** **Zhe Ji, PhD**, Assistant Professor, Department of Pharmacology, Feinberg School of Medicine; Assistant Professor, Department of Biomedical Engineering, McCormick School of Engineering, Robert H. Lurie Comprehensive Cancer Center, Northwestern University, Chicago, IL
“Tackling Functional Elements in the Putative Noncoding Genome: Polyadenylation and Noncanonical Translation”
Host: Dr. Yi-Tao Yu (co-sponsored by the RNA Structure & Function Cluster)
- October 2** **David M. Bedwell, PhD**, Professor and Chair, Department of Biochemistry & Molecular Genetics; James C. & Elizabeth T. Lee Endowed Chair of Biochemistry; Associate Director, Gregory Fleming James CF Research Center, Heersink School of Medicine, University of Alabama at Birmingham, Birmingham, AL
“The Mechanism of Translation Termination Informs Approaches to Suppress Nonsense Mutations”
Host: Dr. Yi-Tao Yu (co-sponsored by the RNA Structure & Function Cluster)
- October 9** **Scott Hiebert, PhD**, Professor, Department of Biochemistry; Associate Professor, Department of Medicine; Hortense B. Ingram Chair in Cancer Research, Vanderbilt University, Nashville, TN
“How Genes Turn Off”
Hosts: T32 graduate student, Hannah Clary and Dr. Clara Kielkopf (co-sponsored by the NIH NIGMS T32 Training Grant in Cellular, Biochemical and Molecular Sciences, Dr. Lynne Maquat, PI & Dr. Jeffrey Hayes, Co-PI)
- Dr. Hiebert will also be presenting a general seminar titled “Reducing the Stress of Review: Perspective from the Scientific Advisory Board” on Thursday, October 10th at 12:00 pm in the Ryan Case Method Room 1-9576.*
- October 16** **Alessio Accardi, PhD**, Professor, Department of Physiology & Biophysics in Anesthesiology; Professor, Department of Biochemistry, Weill Cornell Medicine, New York, NY
“How Hydration of Membrane Proteins Enhances Dynamics to Promote Ion Transport and Lipid Scrambling”
Hosts: Dr. John Lueck and Dr. Mitch O’Connell
- October 23** **Dominic Esposito, PhD**, Director, Protein Expression Laboratory, NCI RAS Initiative, Frederick National Laboratory for Cancer Research (FNLCR), Frederick, MD
“The NCI RAS Initiative: Novel Drug Discovery Efforts to Directly Target RAS-related Cancers and RASopathy Diseases”
Host: Dr. Yi-Tao Yu
- October 30** **Yishu Jiang, PhD**, Assistant Professor, Department of Chemistry, University of Rochester, Rochester, NY
“Accessing In vivo Excited-State Photochemistry with Time and Space-Resolved Spectroscopy”
Host: Dr. David Mathews
- November 6** **Andrei Korostelev, PhD**, Professor, RNA Therapeutics Institute, UMASS Chan Medical School, Worcester, MA
“Ribosome Stalling and Angiogenin Function in ALS and Other Neurodegenerative Diseases”
Host: Dr. Dmitri Ermolenko (co-sponsored by the Protein Synthesis Cluster and by the RNA Structure & Function Cluster)
- November 13** **Amy Si-Ying Lee, PhD**, Assistant Professor, Department of Cancer Immunology & Virology, Dana-Farber Cancer Institute; Assistant Professor, Department of Cell Biology, Harvard Medical School, Boston, MA
“Evolution of mRNA Translational Control Mechanisms”
Host: Dr. Dmitri Ermolenko (co-sponsored by the Protein Synthesis Cluster and by the RNA Structure & Function Cluster)
- November 20** **TBD**
- December 4** **Gloria Brar, PhD**, Associate Professor, Department of Molecular & Cell Biology, University of California, Berkeley, CA
“How DEAD-box Helicase Specificity and Abundance Underlies Cellular Growth and Response to Stress”
Hosts: Dr. Dmitri Ermolenko and Dr. Eric Phizicky (co-sponsored by the Protein Synthesis Cluster)