

Department of Biochemistry & Biophysics 2023 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 20** **Cassandra Hayne, PhD**, Assistant Professor, Department of Biochemistry and Molecular Biology, University of Chicago, Chicago, IL
 “Recent Breakthroughs in tRNA Splicing Using Cryo-EM and Biochemistry”
 Hosts: Dr. Paul Boutz & Dr. Lynne Maquat (co-sponsored by the RNA Society & Lexogen and Graduate Women in Science GWIS)
- September 27** **Nicholas R. Guydosh, PhD**, Senior Investigator, NIH/NIDDK (National Institute of Diabetes and Digestive and Kidney Diseases), Bethesda, MD
 “How the Cell Regulates Gene Expression by Monitoring the Ribosome”
 Host: Dr. Beth Grayhack (co-sponsored by the Protein Synthesis Cluster and the RNA Structure & Function Cluster)
- October 4** **Michael Guertin, PhD**, Associate Professor, Department of Genetics and Genome Sciences, UConn Health, University of Connecticut School of Medicine, Farmington, CT
 “Molecular Tracking of Differentiation Cascades and Mechanisms of Direct Repression by a Transcription Activator”
 Host: Dr. Eric Wagner
- October 11** **Marlies P. Rossmann, MD, PhD**, Assistant Professor, Department of Biomedical Genetics, University of Rochester, Rochester, NY
 “Dissecting Metabolic Gene Regulatory Networks in Hematopoiesis”
 Host: Dr. Josh Munger
- October 18** **V. Alessandro Gennarino, PhD**, Assistant Professor, Departments of Genetics & Development, Pediatrics and Neurology, Columbia University Medical Center, New York, NY
 “From Genes to Proteins: A New Lens for Understanding Neurological Disease”
 Host: T32 Graduate Student Emily Britt and Dr. Eric Wagner (co-sponsored by the NIH NIGMS T32 Training Grant in Cellular, Biochemical and Molecular Sciences, Dr. Lynne Maquat, PI & Dr. Jeffrey Hayes, Co-PI)
- October 25** **Sarah Loerch, PhD**, Assistant Professor, Department of Chemistry & Biochemistry and Center for Molecular Biology of RNA, University of California, Santa Cruz, CA
 “The Space Between Notes: Unraveling the Role of Idle Ribosomes through Cryo-EM”
 Host: Dr. Clara Kielkopf (co-sponsored by the Protein Synthesis Cluster)
- November 1** **Jiangbing Zhou, PhD**, Professor, Department of Neurosurgery, Yale School of Medicine, New Haven, CT
 “Drug and Gene Delivery to the Brain”
 Host: Dr. Yi-Tao Yu (co-sponsored by the RNA Structure & Function Cluster)
- November 8** **Robert Schneider, PhD**, Albert Sabin Professor, Department of Molecular Pathogenesis; Professor, Department of Radiation Oncology, NYU School of Medicine, New York, NY
 “Translational Control of Breast Cancer Metastasis”
 Host: Dr. Peng Yao (co-sponsored by the Protein Synthesis Cluster)
- November 15** ***SPECIAL EVENT*** T32 in CBMS Minisymposium
 Adolph Lower Aud (1-7619) *Featuring the T32 External Advisory Committee for the NIH NIGMS T32 in Cellular, Biochemical and Molecular Sciences (CBMS)*
- ★ **Anita Corbett, PhD**, Samuel C. Dobbs Professor, Department of Biology; Senior Associate Dean of Research, Emory College of Arts and Sciences, Atlanta, GA
 “An RNA Binding Protein Modulates m6A Modification of Key RNA Targets”
 - ★ **Kimberly Mowry, PhD**, Robin Chemers Neustein Professor of Biomedicine; Chair, Department of Molecular Biology, Cell Biology and Biochemistry, Brown University, Providence, RI
 “Novel RNP Transport Granules Drive mRNA Localization”
 - ★ **Karin Musier-Forsyth, PhD**, Professor and Ohio Eminent Scholar, Department of Chemistry and Biochemistry, The Ohio State University, Columbus, OH
 “How a Two-Nucleotide Difference in a 9.4 Kilobase Genome Determines HIV-1 Viral RNA Fate”
- Hosts: Dr. Lynne Maquat (PI), and Dr. Jeff Hayes (Co-PI) (co-sponsored by the NIH NIGMS T32 Training Grant in Cellular, Biochemical and Molecular Sciences, the RNA Society & Lexogen, and Graduate Women in Science)
- December 6** **Anita K. Hopper, PhD**, Professor, Department of Molecular Genetics, The Ohio State University, Columbus, OH
 “The Lives and Deaths of tRNAs and Their Introns”
 Host: Dr. Eric Phizicky (co-sponsored by the Protein Synthesis Cluster and the RNA Structure & Function Cluster)

