

**Department of Biochemistry and Biophysics 2025 Spring 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>*

- February 5**  
**Faculty Candidate**  
**Marielle S. Koeberlin, PhD**, Basic Life Research Scientist/Postdoctoral Fellow, Baxter Laboratory for Stem Cell Biology, Department of Microbiology & Immunology, Stanford University, Stanford, CA  
“Metabolic Control of Inflammatory and Cell Cycle Signaling Mediated by a Network of Co-Regulated Lipids”  
Hosts: Dr. Dmitri Ermolenko and Dr. Josh Munger
- February 12**  
**Faculty Candidate**  
**Gaëlle Talross, PhD**, Associate Research Scientist, Department of Molecular, Cellular and Developmental Biology, Yale School of Medicine, New Haven, CT  
“Neuronal Long Non-Coding RNAs: Insights from the Fly Olfactory System”  
Host: Dr. Dmitri Ermolenko
- February 19**  
**Faculty Candidate**  
**Natalia Pakharukova, PhD**, Postdoctoral Associate, EMBO and HFSP Fellow, Department of Cardiology, Duke University Medical Center, Durham, NC  
“Beta-arrestin-mediated Signaling: Allosteric Activation of Non-Receptor Tyrosine Kinase Src”  
Host: Dr. Dmitri Ermolenko
- February 26**  
**Faculty Candidate**  
**Jiayi Chen, PhD**, Research Fellow, National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda, MD  
“Reading and Editing the Tubulin Code”  
Host: Dr. Dmitri Ermolenko
- March 5**  
**Brenda L. Bass, PhD**, Distinguished Professor & Jon M. Huntsman Presidential Chair, Department of Biochemistry, University of Utah, Salt Lake City, UT  
“Recognition of Self Versus Nonself dsRNA in Vertebrates and Invertebrates”  
Host: Dr. Eric J. Wagner (co-sponsored by the Protein Synthesis Cluster and the RNA Society & Lexogen)
- March 12**  
**Faculty Candidate**  
**Nadiya Khyzha, PhD**, Postdoctoral Fellow in Dr. Henikoff lab, Fred Hutchinson Cancer Center, Seattle, WA  
“Investigating Nuclear Compartment Function Using RNA Proximity Labeling”  
Host: Dr. Dmitri Ermolenko
- March 19**  
**1:00 – 3:00 pm**  
**Class of ‘62**  
**(G-9424)**  
**Jeannie T. Lee, MD, PhD**, The Phillip A. Sharp, PhD, Endowed Chair in Molecular Biology; Chair, Department of Molecular Biology, Massachusetts General Hospital; Vice Chair & Professor, Department of Genetics, Harvard Medical School, Boston, MA  
“New Insights into Xist Structure and Function”  
Graduate Student NIH NIGMS T32 Retreat in Cellular, Biochemical and Molecular Sciences  
Hosts: Dr. Lynne Maquat and Dr. Jeffrey Hayes (co-sponsored by Graduate Women in Science)
- April 2**  
**U. Thomas Meier, PhD**, Professor, Department of Cell Biology, Albert Einstein College of Medicine, Bronx, NY  
“The Role of RNA Modification in the Formation of Nucleoli and Cajal Bodies”  
Host: Dr. Yi-Tao Yu (co-sponsored by the RNA Structure & Function Cluster)
- April 9**  
**Yasuhiro Arimura, PhD**, Assistant Professor, Basic Sciences Division, Fred Hutchinson Cancer Center, Seattle, WA  
“Toward Sub-Nanometer Visualization of Endogenous Chromatin-Associated Complexes in Action”  
Hosts: T32 trainee Elizabeth Lucas and Dr. Jeff Hayes (co-sponsored by the NIH NIGMS T32 Training Grant in Cellular, Biochemical and Molecular Sciences, Dr. Lynne Maquat, PI & Dr. Jeffrey Hayes, Co-PI)
- April 16**  
**Nadya Dimitrova, PhD**, Associate Professor, Department of Molecular, Cellular and Developmental Biology, and of Genetics, Yale School of Medicine, New Haven, CT  
“Long noncoding RNAs: Strength in Numbers”  
Host: Dr. Lynne Maquat (co-sponsored by Graduate Women in Science and the RNA Society & Lexogen)
- April 23**  
**Aviv Paz, PhD**, University at Buffalo Hauptman-Woodward Medical Research Institute; Assistant Professor, Department of Structural Biology, Jacobs School of Medicine and Biomedical Sciences, University at Buffalo; Adjunct Associate Professor of Oncology, Roswell Park Comprehensive Cancer Center, Buffalo, NY  
“A Conserved Intra-Bundle Salt Bridge in the OATP1B Subfamily Controls Uptake Kinetics and Transporter Conformation”  
Host: Dr. Mark Dumont (co-sponsored by the Department of Pharmacology & Physiology)
- April 30**  
**Sebastian Leidel, PhD**, Research Group for RNA Biochemistry, Department of Chemistry, Biochemistry and Pharmaceutical Sciences (DCBP), University of Bern, Bern, Switzerland  
“m6A is Decoded by Modified tRNAs to Coordinate mRNA Decay”  
Hosts: Dr. Eric Phizicky and Dr. Beth Grayhack (co-sponsored by the Protein Synthesis Cluster and the RNA Structure & Function Cluster)
- \*Thursday\***  
**May 8**  
**Seminar at**  
**1:00 pm**  
**Scott Hiebert, PhD**, Professor, Department of Biochemistry; Associate Professor, Department of Medicine; Hortense B. Ingram Chair in Cancer Research, Vanderbilt University, Nashville, TN  
“Degron-tagging of an Endogenous Repressor Defines the Mechanism for Turning Genes On and Off”  
Hosts: T32 trainee 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) and Graduate Women in Science