

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
CANCELLED
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
- 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

