

**University of Rochester**  
**Department of Biochemistry & Biophysics 2020 Spring Seminar Series**

Seminars will be held on Wednesdays at 2:00 p.m. in K-307 (3-6408) or otherwise noted.

- January 22**      **Anne Meyer, Ph.D.**, Associate Professor, Department of Biology, University of Rochester, Rochester, NY  
“Biological Architecture: From Protective Biocrystals to 3D-printed Bacteria”  
Host: Dr. Dmitri Ermolenko
- January 29**      **Isaac Harris, Ph.D.**, Assistant Professor, Department of Biomedical Genetics, University of Rochester, Rochester, NY  
“Understanding the Roles of Antioxidants in Cancer”  
Host: Dr. Josh Munger
- February 26**      **Ruben Gonzalez, Ph.D.**, Professor, Department of Chemistry, Columbia University, New York, NY  
“Ribosomes in Motion: The Role of Dynamics in the Mechanism and Regulation of Translation”  
Host: Dr. Dmitri Ermolenko (co-sponsored by Protein Synthesis Cluster, RNA Society & Lexogen)
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- March 4**      **Markus Hafner, Ph.D.**, Senior Investigator, RNA Molecular Biology Group, NIAMS/NIH Intramural Research Program, Bethesda, MD  
“Integrative Analysis of RNA Binding Protein Targets and Function”  
Host: Dr. Mitch O’Connell (co-sponsored by RNA Society & Lexogen)
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- March 11**      **Martin Walsh, Ph.D.**, Director, The Mount Sinai Center for RNA Biology and Medicine; Co-Director, MoTrPAC NIH Common Fund Chemical Analysis Site for Genomics, Epigenomics and Transcriptomics; Tisch Cancer Institute/ Diabetes, Obesity and Metabolism Institute Professor, Departments of Pharmacological Sciences, Genetics and Genomic Sciences and Pediatrics, Icahn School of Medicine at Mount Sinai, New York, NY  
“Co-Transcriptional Splicing through the DBIRD Complex and PRMT5 Further Diversifies Cell Heterogeneous Populations”  
Host: Dr. Lynne Maquat (co-sponsored by RNA Society & Lexogen)
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- March 18**      **Andrey S. Krasilnikov, Ph.D.**, Associate Professor, Department of Biochemistry and Molecular Biology, Center for RNA Biology, Pennsylvania State University, State College, PA  
“Structure of the RNase MRP Holoenzyme: More Diversity in the RNase P Family”  
Host: Dr. Joe Wedekind (co-sponsored by the RNA Structure and Function Cluster)
- March 25**      **J. Andrew Berglund, Ph.D.**, Professor, Department of Biological Sciences; Director of the RNA Institute, University at Albany, Albany, NY  
“Targeting a Toxic RNA That Causes a Common Form of Muscular Dystrophy”  
Hosts: Dr. Clara Kielkopf and Dr. Joe Wedekind (co-sponsored by RNA Society & Lexogen)
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- April 1**      **Bin Wu, Ph.D.**, Assistant Professor, Department of Biophysics and Biophysical Chemistry, Johns Hopkins University School of Medicine, Baltimore, MD  
“Visualize and Manipulate Single Allele and RNA in Live Cells”  
Host: Dr. Xin Li (co-sponsored by the RNA Structure and Function Cluster)
- April 8**      **Lillian T. Chong, Ph.D.**, Associate Professor, Department of Chemistry, University of Pittsburgh, Pittsburgh, PA  
“The Art of Possibility: Weighted Ensemble Simulations of Long-timescale Kinetics”  
Host: Dr. Alan Grossfield (co-sponsored by the Bioinformatics Cluster)
- April 15**      **Titia de Lange, Ph.D.**, Leon Hess Professor; American Cancer Society Professor; Head, Laboratory of Cell Biology and Genetics; Director, Anderson Center for Cancer Research, Rockefeller University, New York, NY  
“Telomeres and Cancer: Tumor Suppression and Genome Instability”  
Graduate Student NIH T32 Retreat in Cellular, Biochemical and Molecular Sciences  
Host: Dr. Lynne Maquat (Co-sponsored by Graduate Women in Science)
- Class of ‘62 (G-9425)**  
**1:00 – 3:00 p.m.**
- April 22**      **Serdal Kirmizialtin, Ph.D.**, Assistant Professor, Department of Chemistry, NYU Abu Dhabi, Abu Dhabi, United Arab Emirates  
“Exploring the Ion Mediated Nucleic Interactions and Conformations Using Molecular Simulations”  
Host: Dr. Mitch O’Connell (co-sponsored by the Bioinformatics Cluster)
- April 29**      **Oliver Rando, M.D., Ph.D.**, Professor, Department of Biochemistry and Molecular Pharmacology, University of Massachusetts Medical School, Worcester, MA  
“Epidemiological Epididymosomal Epigenomics”  
Host: Dr. Xin Li (co-sponsored by RNA Society & Lexogen)
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