



RNA Research at University of Rochester



Center for RNA Biology: From Genome to Therapeutics

LEADERSHIP

Lynne Maquat, PhD (Director)

David Mathews, MD, PhD (Associate Director)

FACULTY

Doug Anderson, PhD

Paul Boutz, PhD

Scott Butler, PhD

Paul Dunman, PhD

Dmitri Ermolenko, PhD

Dragony Fu, PhD

Elizabeth Grayhack, PhD

Clara Kielkopf, PhD

Xin Zhiguo Li, PhD

John Lueck, PhD

Stephano Mello, PhD

Mitchell O'Connell, PhD

Eric Phizicky, PhD

Hitomi Sakano, MD, PhD

Gaurav Sharma, PhD

Charles Thornton, MD

Joseph Wedekind, PhD

Peng Yao, PhD

Yi-Tao Yu, PhD

RESEARCH AREAS

RNA in human disease (e.g. neurogenetic, cardiac, cancer, infertility)

RNA as a therapeutic drug or target (e.g. CRISPR-Cas13 systems)

RNA function in response to environment (e.g. pathogens, toxicants)

RNA-binding proteins

RNA processing (e.g. splicing, 3'-end formation, modification, decay)

RNA computational biology, bioinformatics, structure prediction/verification

RNA X-ray and cryo-EM structure determination

RNA metabolism in diverse model organisms

Members of the center are drawn from the departments of:
Biochemistry & Biophysics, Biology, Biomedical Genetics, Electrical &
Computer Engineering, Medicine, Microbiology & Immunology, Neurology,
Otolaryngology, and Pharmacology & Physiology



For research opportunities, please visit:

www.urmc.rochester.edu/rna-biology/employment-opportunities.aspx