

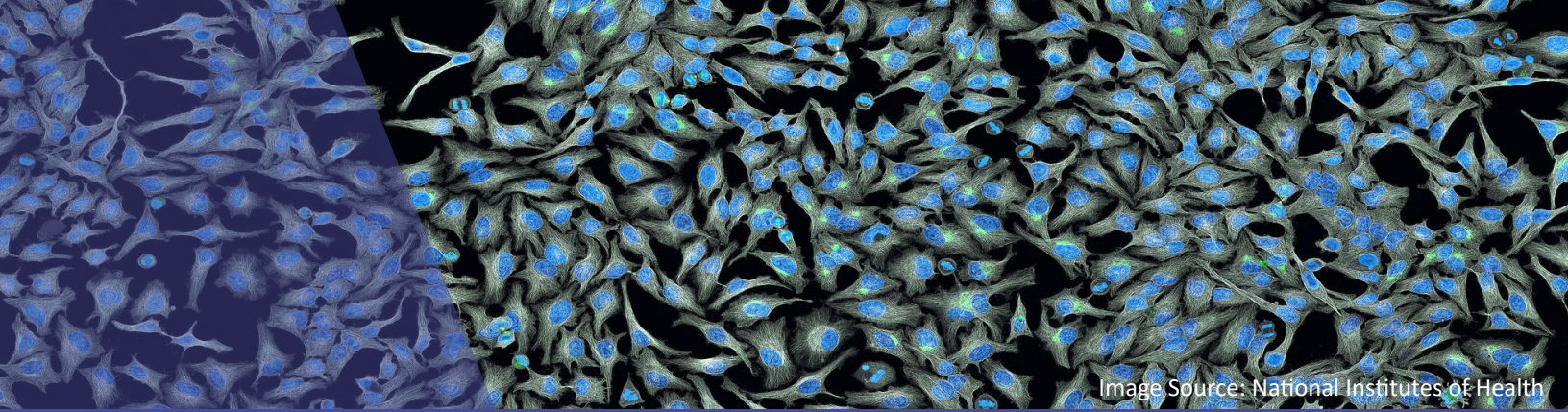


Image Source: National Institutes of Health

Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Lurie Cancer Center's Basic Research Seminar Series

Futile Creatine Cycle in Restricted Eating and RNA Therapy

Tuesday, December 2, 2025

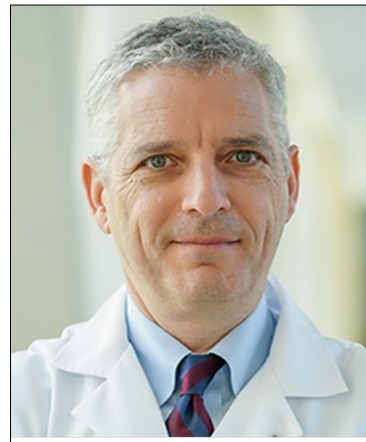
11:00 a.m.- 12:00 p.m. CT

Baldwin Auditorium, 1st Floor

Robert H. Lurie Medical Research Center
303 E. Superior St., Chicago, IL

The primary research focus in our laboratory is to understand the molecular mechanisms through which the circadian clock regulates cell and organismal metabolism and the reciprocal feedback of metabolism on circadian oscillators in animals. Our long-range goal is to exploit insight into the clock to identify regulatory nodes within metabolic pathways important in beta cell biology, mitochondrial function, NAD⁺ biosynthesis, NAD⁺ dependent ADP-ribosylation and deacetylation reactions, and to determine the impact of these epigenetic modifications on proliferation and stress response. These studies will elucidate the relationship amongst brain, behavior, and physiology at both the cell and molecular level. We anticipate that a better understanding of clock processes will lead to innovative therapeutics for a spectrum of diseases including diabetes, obesity, autoimmunity, and cancer.

Refreshments will be provided.



Joe Bass, MD, PhD

Charles F. Kettering Professor of Medicine
Chief, Division of Endocrinology, Metabolism,
and Molecular Medicine
Department of Medicine and Neurobiology
Northwestern University Feinberg School of Medicine

Hosted by: Caroline Le Poole, PhD