



Image Source: National Institutes of Health

Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Lurie Cancer Center's Basic Research Seminar Series

How Metabolism Informs the Epigenome

Tuesday, May 21, 2024

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

Host: Jason Miska

The Denu lab investigates the mechanisms and biological function of reversible protein modifications involved in modulating signal transduction, chromatin dynamics and metabolism. Chromatin remodeling enzymes rely on co-enzymes derived from metabolic pathways, suggesting coordination between nuclear events and metabolic networks. Investigations are underway to understand the link between metabolism and the regulation of epigenetic mechanisms. We are testing the hypothesis that certain chromatin modifying complexes have evolved to exquisitely 'sense' metabolite levels and respond accordingly, modifying specific chromatin loci for altered gene expression.



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