



Chemical & Physical Sciences

UNIVERSITY OF TORONTO

M I S S I S S A U G A

COLLOQUIUM SEMINAR SERIES

HISTONE TAILS: A FUZZY AFFAIR WITH DNA



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The formation of chromatin not only compacts the eukaryotic genome into the nucleus but also provides a mechanism for the regulation of all DNA templated processes. Spatial and temporal modulation of chromatin structure is critical in such regulation and involves extensive regulation of its most basic subunit, the nucleosome, a complex of histone proteins and DNA. Among many regulatory mechanisms the post-translational modification of the histone proteins and direct recognition of these modifications is key in chromatin structure modulation. Though the readout of histone modifications in the context of histone peptides has been extensively characterized, the recognition of modified nucleosomes is poorly understood. I will present data on the conformation of the so-called histone tails in the context of the nucleosome and the effect on the readout of post-translational modifications.

Colloquium Seminar Series

Wednesday, January 19, 2022

Join us on Zoom at 3:10pm

<https://utoronto.zoom.us/j/88646928603>