



Chemical & Physical Sciences

UNIVERSITY OF TORONTO

MISSISSAUGA

COLLOQUIUM SEMINAR SERIES

PROTON GATING OF CELL SIGNALING



Dr. Daniel G. Isom,

University of Miami Miller School of Medicine,
Department of Molecular and Cellular
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In all domains of life, proton signals are essential, yet poorly understood regulators of cell biology and protein structure–function relationships. Prominent examples include coincident acid signals that regulate protein activity in endosomes, inflammatory zones, and tumor microenvironments. In my talk, I will report several breakthroughs that illuminate proton gating of G protein–coupled receptors, the largest and most therapeutically targeted family of transmembrane receptors in humans. I will present findings that showcase the novel data science, biophysics, and synthetic biology that drive our ambitious interdisciplinary research program.

COLLOQUIUM SEMINAR SERIES

featuring

Dr. Daniel Isom

Wednesday, October 26, 2022 | 3:30pm

Location: CCT2150