

Bio Phys TO

Lunchtime Seminar Series

WHEN?

March 20, 2025

12:00-1:00PM

WHERE?

McLennan Physical Laboratories

255 Huron Street

Rm. 606

WHY?

Join us for pizza and an opportunity to learn and engage with members of the UofT Biophysics community!

SPEAKER

Dr. Nathanael Caveney

Department of Pharmacology & Toxicology – U of T



Structural methods reveal IL-17 signalling principles

Interleukin-17 (IL-17) signalling plays a critical role in inflammation and disease, with IL-17 antagonists already in clinical use for conditions psoriasis. However, the structural basis of IL-17 receptor–cytokine interactions remain poorly understood. This talk explores recent structural biology advances that reveal key paradigms of IL-17 signalling. Using structural and biophysical approaches, we examine IL-17–receptor interactions, the role of IL-17RA as a receptor versus co-receptor, and implications for therapeutic development.

SEMINAR SPONSORS

UTSG Departments of
Biochemistry
Chemistry
Physics

