

# Bio Phys TO

## Lunchtime Seminar Series

### WHEN?

March 20, 2025

12:00-1:00PM

### WHERE?

McLennan Physical Laboratories

255 Huron Street

Rm. 606

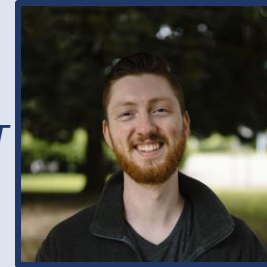
### WHY?

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  
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