



BiophysTO Lunchtime Seminar Series

Date

Thursday, February 7, 2019
12:00 – 1:00 pm

Location

McLennan Physical
Laboratories
Room MP606
60 St. George Street

Pizza and refreshments
will be provided

Prof. Matthew Scott
University of Waterloo

Indirect regulation of gene expression: Implications for bacterial evolution

In bacteria, the exponential growth rate and the level of gene expression are intimately connected, and can be quantified by simple, empirical 'growth laws.' I will discuss how these empirical constraints are characterized, and their possible mechanistic origins. The main focus of the talk will be ongoing work to track how evolutionary adaptation shapes the growth laws, using Lenski's laboratory-evolved strains as a case study.

Bio:
Matthew Scott is an associate professor of Applied Mathematics at the University of Waterloo, and the co-director (with Brian Ingalls) of the Mathematical Biology Laboratory.

Host: Dr. Sid Goyal



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