

**RYERSON UNIVERSITY
DEPARTMENT OF MATHEMATICS
BIOMATHEMATICS & FLUIDS SEMINAR**

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Date: Thursday, March 6, 2014

Time: 11:10am

Location: ENG 210

Modelling of tissue growth

Abstract:

Having a precise topology is essential for proper tissue development and function. Interestingly, tissue topologies of various species often display similarities. Understanding the mechanisms that result in commonly observed topologies will provide a better insight into the processes governing tissue development.

Cellular processes that accompany tissue formation largely depend on cell mechanics. In this talk I will present a mechanical model for cell divisions and tissue growth. I will also discuss various growth mechanisms and their effects on tissue topology.

ALL FACULTY, STAFF, STUDENTS AND GUESTS ARE WELCOME TO ATTEND