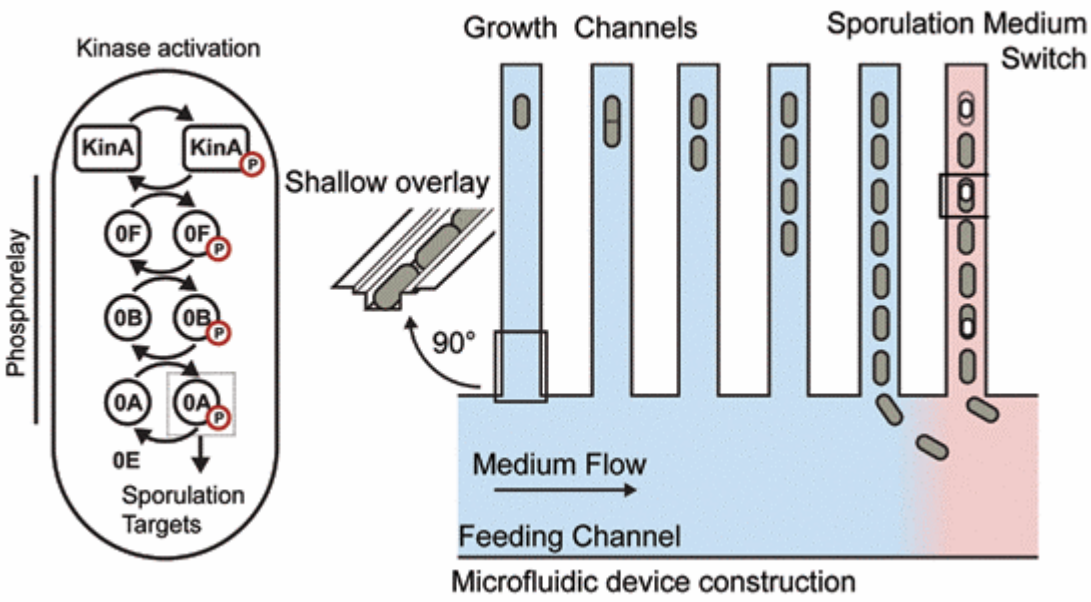
GUEST SPEAKER SEMINAR

Molecular Genetics
UNIVERSITY OF TORONTO

Stochasticity and Cell Fate



Development involves decision-making in which cells choose between alternative fates. Some decisions are made deterministically in which cells respond to environmental or developmental cues. In other cases, however, cell fate is determined stochastically by noise-driven processes in which cells choose and then maintain a particular fate. I will discuss the use of microfluidics to study the role of stochasticity in the decision to form a bacterial spore. Noise governs the decision to enter the pathway and the choice of the cell pole at which a spore is produced.

Dr. Richard Losick

Harvard College Professor, Maria Moors Cabot Professor of Biology
Department of Molecular and Cellular Biology
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Host: Dr. Howard Lipshitz

Date: Monday December 4th, 2017
Time: 4PM
Place: Room 103, Fitzgerald Building, 150 College Street