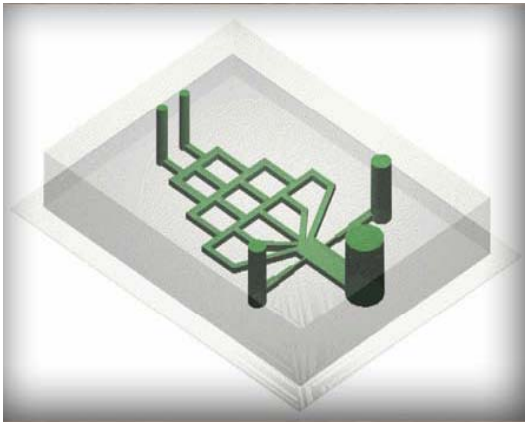
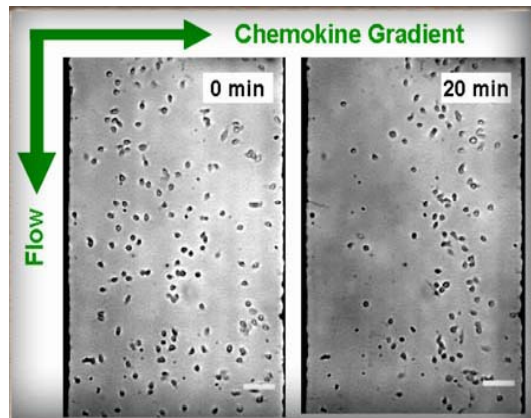


Immuno trafficking lab

Professor Francis Lin
Physics & Astronomy, Univ. of Manitoba



Microfluidic Gradient Generator



T Cell Chemotaxis in μ Fluidic Device

We study the trafficking of immune cells in complex tissue environments. The focus of the current research is on quantitative investigation of immune cell migration guided by spatiotemporal fields of different environmental cues such as chemical gradients and electrical fields. We use an interdisciplinary approach that integrates microfluidic devices, mathematical modeling and cutting-edge biology and immunology methods in our research.

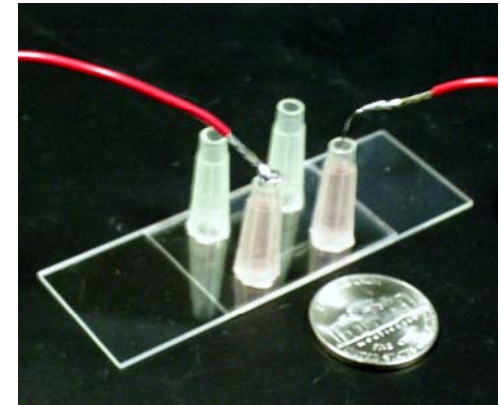
Summer research positions are available for undergraduate students. Interested students are advised to contact Dr. Francis Lin to discuss potential opportunities. To be considered for Summer 2010, please contact Dr. Lin by November 2009.

Lab: Allen 314 and 502; Tel: 272-1630

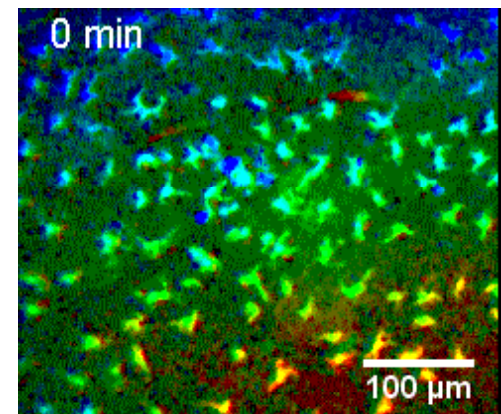
Office: Allen 513; Tel: 474-9895

Email: flin@physics.umanitoba.ca

Web: www.physics.umanitoba.ca/~flin/



Microfluidic Electrotaxis Device



T Cell Electrotaxis in a GFP mouse