



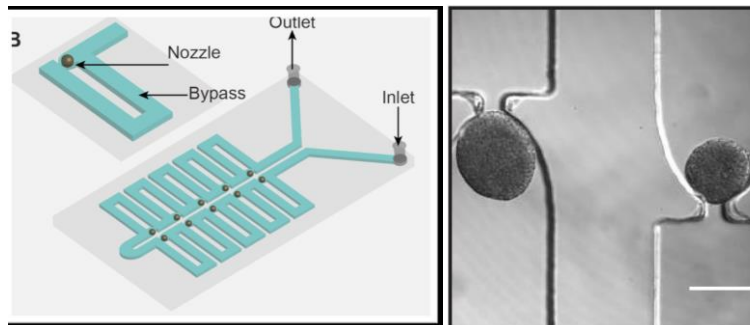
Chemical & Physical Sciences
UNIVERSITY OF TORONTO
MISSISSAUGA

COLLOQUIUM
TUESDAY, 03 FEBRUARY 2015
11:00 AM - 12:00 NOON
KN132

Dr. Jonathan Rocheleau

University of Toronto
Institute of Biomaterials & Biomedical
Engineering (IBBME)

The Design of an Islet-on-a-chip Microfluidic Device



A central tissue involved in the development of diabetes is the pancreatic islet. This seminar will describe my lab's effort to study pancreatic islet biology using microfluidic devices ("islet-on-a-chip") in combination with quantitative fluorescence microscopy. My seminar will provide an overview of our research progress as well as illustrate how these technical innovations could advance other areas of tissue engineering.