

BIOENGINEERING RESEARCH SEMINAR



EXPLORING THE BOUNDARIES: HARD SCIENCE IN SIMPLE STRUCTURES

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The definition of what constitutes a microfluidic device is broad, encompassing a variety of scales, technologies and materials. The careful design of microfluidic devices is key to enable their use in accessing new science and in the creation of biomedical devices. In this seminar I will present fundamental research into surfactants and droplet stability to enable robust droplet microfluidic platforms, the use of droplet microfluidic platforms for high-throughput screening and for the determination of distribution coefficients, the high-throughput formation of droplet interface bilayers (DIBs) as artificial membranes, and the development of a range of microfluidic technologies such as centrifugal microfluidic platforms and microcapillary films (MCFs).

APRIL 15
10:30 a.m.
MD 267



McGill

Department of
Bioengineering