

WORKSHOP on OCT 15th

Microfluidics in Action: Droplets, Flow Control, and Interfaces — *Agenda*



Wentworth Institute of Technology (WIT) - Boston

8:45 - 9:15: Registration

9:15 - 9:30: Welcome & Opening Introduction

Application Talks:

9:30 - 10:15: Prof. Salil Desai

Engineering Microtechnologies for Organoid Platforms and Bio-Electronic Interfaces

10:15 - 10:30: Coffee Break

10:30 - 11:15: Prof. Sara Hashmi

Microfluidic Approaches for Droplet Manipulation and Complex Systems

11:15 - 12:00: Dr. Rohan Thakur

Droplet Microfluidics for Biological Applications and Microscale Control

12:00 - 12:45: Robert Pelletier

Pressure base flow control for Microfluidics

12:45 - 2:00: Lunch

2:00 - 4:00: Hands-on Session

- Droplet production using pressure controller-based systems
- Organ-on-chip (OoC) using Omi: Perfusion & Recirculation
- Automated perfusion system with Aria
- Lab visit & tour