

# WORKSHOP on OCT 15<sup>th</sup>

## 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