

# UNY-MPSS 2024 SCHEDULE

Time	Item	Location
8:00 am – 8:45 am	Registration & Breakfast	Atrium
8:45 am – 9:00 am	Welcoming Remarks	Auditorium
9:00 am – 9:30 am	<b>Dr. Benjamin Miller</b> , University of Rochester “Opening new frontiers in biology via real-time, continuous monitoring of microphysiological systems”	Auditorium
9:30 am – 10:00 am	<b>Dr. Vinay Abhyankar</b> , Rochester Institute of Technology “Engineering the Tumor Microenvironment: A Little Stretch Goes a Long Way”	Auditorium
10:00 am – 10:15 am	<b>Lily Takeuchi</b> , University of Toronto “Development of stem cell-derived microfluidic models of the blood-brain barrier in Alzheimer’s disease”	Auditorium
10:15 am – 10:30 am	<b>Sadia Khan</b> , Binghamton University “Engineering Microvascular Network with Polystyrene Microtubes”	Auditorium
10:30 am – 12:50 pm	Poster Presentations & Lunch Lunch will be served at 11:30	Atrium
12:50 pm – 1:00 pm	Group picture	To be announced
1:00 pm – 2:00pm	Clinical Problems Workshop	108/109/Auditorium
2:00 pm – 3:00 pm	Discussion: Integrating MPS into STEM Outreach	Auditorium
3:00 pm – 3:15 pm	Networking Break	Atrium/Auditorium
3:15 pm – 3:30 pm	<b>Dr. Alisa Ugodnikov</b> , University of Toronto “Integrating porous membrane electric cell-substrate impedance sensing (PM-ECIS) into a microfluidic platform for in vitro biological barrier modeling”	Auditorium
3:30 pm – 3:45 pm	<b>Alyson March</b> , University of Rochester “Investigating in vitro 3D cell spheroid vascularization to predict therapeutic biomaterials-mediated in vivo bone regeneration”	Auditorium
3:45 pm – 4:15 pm	<b>Dr. Travis Block</b> , Et al. Biocapital “Human-on-a-Chip??? Practical Considerations and Challenges for Microphysiological Systems”	Auditorium
4:15 pm – 4:45 pm	<b>Dr. Gretchen Mahler</b> , Binghamton University “Oxidative Low-Density Lipoprotein and Shear Induce Calcific Aortic Valve Disease on a Chip”	Auditorium
4:45 pm – 5:15 pm	<b>Dr. Samuel Herberg</b> , Upstate Medical University "Investigating molecular mechanisms of outflow regulation using bioengineered 3D ECM hydrogels"	Auditorium
5:15 pm – 5:45 pm	Awards and Closing remarks	Auditorium