

**Session Program**

**May 18 - 23, 2026**

**Microfluidic Horizons 2026**

**Monday 18/05, 14 - 19; Room 35**

# Mon, May 18

2:00 PM

## Monday 18/05, 14 - 19; Room 35

### Session

2:00 - 2:20 PM

**Confined unidirectional drying of colloidal dispersions: evaporation-driven transport and flow in a 1D microfluidic geometry**

2:20 - 2:40 PM

**A Marangoni-powered micropump converting vertical heat-supply in translational motion**

2:40 - 3:00 PM

**Droplet Friction and Fluid Interactions on Superhydrophobic Doubly Re-entrant Microstructured Surfaces**

3:00 - 3:20 PM

**Gas-Shear-Triggered Marangoni Instability for On-Demand Micromixing and Surfactant Contamination Sensing in Open-Surface Microfluidics**

4:40 - 5:00 PM

**Microfluidic devices for synchrotron Small Angle X-ray Scattering Experiments**

5:00 - 5:20 PM

**Synergistic coupling of microfluidic reactors with synchrotron X-ray absorption spectroscopy**

5:20 - 5:40 PM

**Coupled Birefringence-SAXS-PIV Analysis of Wormlike Systems Under Extensional Flow in Contraction-Expansion Microchannels**

7:00 PM