

**Session Program**

**May 18 - 23, 2026**

**Microfluidic Horizons 2026**

**Wednesday 20/05, 9 - 13; Room 35**

# Wed, May 20

9:00 AM

## Wednesday 20/05, 9 - 13; Room 35

### Session

10:00 - 10:20 AM

**Bacterial swimming in a complex model fluid: implications for mucus barrier penetration and in-vitro microfluidic systems**

10:20 - 10:40 AM

**Transport of swimming cells by chaotic advection in porous media**

10:40 - 11:00 AM

**Microscale Insights into Depth Filtration - The Role of Internal Surface Roughness**

11:40 AM - 12:00 PM

**Microfluidic Emulsion Metamorphosis into Giant Unilamellar Vesicle**

12:00 - 12:20 PM

**Clogging of non-circular particles in a 2D hopper**

12:20 - 12:40 PM

**Engineering Evaporation in Microfluidic Circuits: From Vapor and Temperature Mapping to Predictive Design Rules**

12:40 - 1:00 PM

**Bridging Continuous and Digital Microfluidics: On-Demand Extraction of Preconcentrated Species**

**Speaker**

Amir Hillman

1:00 PM