Session Program

May 18 – 23, 2026

Microfluidic Horizons 2026

Friday 22/05, 9 - 13; Auditorium

Fri, May 22

9:00 AM

Friday 22/05, 9 - 13; Auditorium

Session

10:00 – 10:20 AM **Lab-on-a-Chip development for barrier model monitoring**

10:20 – 10:40 AM

Surface patterned omniphobic tiles (SPOTs) for versatile, high-throughput liquid handling

10:40 – 11:00 AM

How could chitosan, a bio-based polymer, help replace synthetic polymers in the fabrication of microfluidic devices?

11:40 AM – 12:00 PM

Wetting-Driven Thin-Film Transfer: A Microfluidic-Inspired Approach to Green Electronics

Speaker

Riccardo Zamboni

12:00 – 12:20 PM

Design, Experimental, and Modeling Analysis of a 3D-Printed Hybrid Straight-Ridge and Split-and-Recombine Micromixer toward Nanoparticle Production

12:20 – 12:40 PM

Integrating Microrobots into Microfluidic Devices: Toward Active and Reconfigurable Lab-on-a-Chip Systems

1:00 PM