

LAB-ON-A-CHIP FOR BIOMEDICAL USE

Organized by the
Faculty of Information Technology and Bionics
Pázmány Péter Catholic University | Budapest, Hungary

ONLINE PART: 22th – 26th June 2026

PROJECT WEEK: 29th June – 3rd July 2026



Contact your international
office for more information!



PÁZMÁNY

Pázmány Péter Catholic University
Faculty of Information Technology and Bionics



**TAL
TECH**

ONLINE PART: 22th – 26th June 2026

- Monday: Welcome and introduction to the programme, Introduction of the students: Who? Why? What?
- Tuesday: Fundamentals of fluid dynamics in microfluidic systems, Basic principles and mechanisms, key components of microfluidic devices
- Wednesday: Silicon fabrication: photolithography, microfabrication, bonding.
- Thursday: Plastic fabrication: materials, microfabrication, bonding.
- Friday: Project consultation, Defining main parameter of the lab-on-a-chip device.

PROJECT WEEK: 29th June – 3rd July 2026

- Monday: Introduction and design
- Tuesday: Computational Fluid Dynamics (CFD) simulations
- Wednesday: Cartridge fabrication
- Thursday: Experimental setup and testing
- Friday: Presentations, and feedback

