

**Course:** Lab-on-Chip Technologies: Basics and Applications  
**Date:** October 27-28, 2018  
**Location:** Montreux, Switzerland  
**Course Address:** Eurotel, Grand-Rue 81, Montreux  
**Tutors:** Dr Aman Russom, KTH Royal Institute of Technology, Stockholm, Sweden  
Dr Loes Segerink, University of Twente, Enschede, The Netherlands

## DAY 1

09 00 Welcome/Presentations  
09 15 Basic microfluidic principles / physics at microscale  
10.15 Short presentation by each participant of their work/interest in LOC  
*11.00 Coffee break*  
11.30 Bioanalytical applications 1: Microfluidic devices for DNA and protein analysis  
*12 30 Lunch*  
14 00 Cont. Bioanalytical applications 2: Microfluidic devices for cell separation  
14 30 Sensors for microfluidics  
15 15 Pumping and microfabrication  
16 15 Discussion, question and feedback  
17 00 End of day

## DAY 2

09 00 Nanofluidics  
10 00 Bioanalytical applications 3: Microfluidic devices for single cell analysis  
*11 00 Coffee break*  
11 15 Selected mTAS/Lab-on-Chip (LOC) examples  
12 00 Questions and feedback  
*12 30 Lunch*  
14 00 Bioanalytical applications 4: Other platforms (CD microfluidics, Droplet microfluidics)  
15 30 Questions/feedback  
16 00 End of course

Fees : CHF 1'300, including lunches, refreshments and course documentation. [Discounts](#)

[REGISTRATION](#) – limited number of seats, deadline October 12 !