

## Preliminary Program

### Day 1: Thursday 2<sup>nd</sup> of May

**Meet at 10.00** by the main entrance (see address below).

*Tallinn University of Technology  
Department of Chemistry and Biotechnology  
Akadeemia tee 15  
12618, Tallinn  
Estonia*

**10.00-10.30** Welcome and introduction to Microfluidics group at TalTech

**10.30-12.30** General tour around TalTech university campus, including visits to e.g. our collaboration partners in the Marine and Electronics department laboratories, where the participants will get an insight into various subjects based on the participants interests and area of work.

**12.30-13.30** Lunch break (participants pay themselves according to COST action rules)

**13.30-15.00** Introduction to our droplet microfluidics set-up and hands-on construction of droplet microfluidics chips.

**15.00-15.30** Coffee Break (will be provided by the host)

**15.30-17.00** Hands-on construction of droplet microfluidics chips continued.

**17.00-20.30** Depending on the interest of the participants, dinner (participants pay themselves to COST action rules) and a short tour around Tallinn old town can be arranged for this evening. *Please let the host – Simona – know two to three days in advance if interested so everything can be arranged in time!*

### Day 2: Friday 3<sup>rd</sup> of May

**10.00-12.00** Introduction and hands-on encapsulation of material in water-in-oil droplets using different droplet microfluidics chips as well as the user-friendly polydisperse droplet encapsulation technique.

**12.00-12.30** Short presentation from the Smart Analytics group at our department that use Capillary Electrophoresis, Fluorescence, Conductivity, Gas Chromatography, combined with Microfluidics for various analytical applications.

**12.30-13.30** Lunch break (participants pay themselves according to COST action rules)

**13.30-15.00** Hands-on encapsulation of material in water-in-oil droplets using different droplet microfluidics chips as well as the user-friendly polydisperse droplet encapsulation technique continued.

**15.00-15.30** Coffee Break (will be provided by the host)

**15.30-17.00** Introduction and hands-on analysis of generated droplets with encapsulated material via confocal microscopy 2D imaging

**17.00-17.30** Short introduction of possible use of software for droplet image analysis

**17.30-18.00** Questions, contact exchange, etc., and farewells.