

All you wanted to know about the state-of-the-art instrumentation and research applications,
not only at the Faculty of Science, Charles University in Prague...

Cytometric analysis of microbes and microparticles: small worlds within us and around us

When: Thursday 31. 10. 2013
lectures (9:00 - 13:00) and hands-on (13:00 – 18:00)

Where: lecture hall B3 (Fotochemie), Viničná 7, Prague 2
no registration required, 111 seats

Program:

Karel Drbal (Faculty of Science, Charles University in Prague): Introduction to small particle cytometry

Oliver Kenyon (Apogee Flow Systems, UK): Apogee50-Micro system

Zbyněk Prokop (Loschmidt Laboratories, Faculty of Science, Masaryk University Brno): High-throughput sorting of microfluidic drops with flow cytometry

Break

Michal Koblížek (Department of phototrophic microorganisms, Institute of Microbiology ASCR, Třeboň): Analysis of phototrophic microorganisms in water

Jana Kopecká (Life Technologies, CZ): Attune acoustic focusing cytometer for microbial applications

Jan Vrána (Centre of Plant Structural and Functional Genomics, Institute of Experimental Botany ASCR, Olomouc): Tricks with chromosomes

Break

Jan Živný (Institute of Pathological Physiology, 1st Faculty of Medicine, Charles University in Prague): Flow cytometric analysis of cell-membrane derived microvesicles in tissue culture and human plasma

Roman Vlček (Beckman Coulter, CZ): Microparticle analysis using advanced Forward Scatter possibilities on Beckman Coulter Gallios flow cytometer

There will be a **hands-on session** from **13:00** on, using demo system Apogee50-Micro, installed in **B15 room**, Vinična 7.
Please, **bring your samples** (at least 1 mL volume) plus a blank sample.

Find more on the Advanced Techniques Day Series on Moodle: <http://dl2.cuni.cz/course/view.php?id=1984>

Coming next: 31.10.2013 @ 15:00-17:00

21.11.2013 @ 9:00-13:00

Andor: Advanced microscopy systems and image analysis

Whole organism "lightsheet" microscopy (SPIM)

