



## 4<sup>th</sup> Short Mass Spectrometry Courses

# MINIŠKOLA HMOTNOSTNÍ SPEKTROMETRIE

NOVEMBER 19 – 20, 2013, IOCB CLUB

### Tuesday, November 19

#### **Mass spectrometry basics (IOCB Club)**

9:00 - 9:15      Opening (J. Cvačka)  
9:15 - 9:30      Introduction to mass spectrometry (J. Cvačka)  
9:30 - 9:55      MS instrumentation I. (V. Vrkoslav)

*break*

10:25 - 10:45      MS instrumentation II. (V. Vrkoslav)

#### **Services of the MS group (IOCB Club)**

10:45 - 11:15      Small molecules (A. Březinová)  
11:15 - 11:35      Biomolecules (M. Hubálek)

#### **Training for open access instruments (lab. 58c)**

14:00 - 16:00      Training for open-access GC/MS (A, ground floor NW, 58c; V. Vrkoslav)

### Wednesday, November 20

#### **Acquiring & interpreting MS data (IOCB Club)**

9:00 - 9:30      Ion mobility spectrometry (J. Jaklová-Dytrtová)  
9:30 - 10:10      Experimental strategies in proteomics (J. Horáková)

*break*

10:40 - 12:00      Interpretation of small molecule spectra (J. Cvačka)

#### **Demonstration of the instruments (lab. 24 and 63)**

14:00 - 16:00      Orbitrap – High resolution and tandem MS (A, ground floor NW, 63; J. Cvačka)  
MALDI – Large and small molecules (A, basement SW, 24; V. Vrkoslav)  
Proteomics data interpretation (A, basement SW, 24; M. Hubálek)