



5th Short Mass Spectrometry Courses

MINIŠKOLA HMOTNOSTNÍ SPEKTROMETRIE

MARCH 31 – APRIL 1, 2016, IOCB CLUB

Thursday, March 31

Opening & Mass spectrometry basics (IOCB Club)

9:00 - 9:30 MS group: research and services (J. Cvačka)

9:30 - 9:50 What is mass spectrometry? (M. Hubálek)

9:50 – 10:20 Ionization and ion sources (V. Vrkoslav)

break & refreshment

10:50 – 11:20 Ion analyzers (V. Vrkoslav)

Services of the MS group (IOCB Club)

11:20 - 11:50 Small molecules (M. Svoboda)

11:50 - 12:20 Biomolecules (M. Hubálek)

Guided tour & demonstration of the instruments (lab. A.1.80 and A.1.83)

14:00 - 16:30 Orbitrap – High resolution and tandem MS (A.1.83; J. Cvačka)

MALDI – Large and small molecules (A.1.80; V. Vrkoslav)

Friday, April 1

Acquiring & interpreting MS data (IOCB Club)

9:00 – 10:20 Understanding mass spectra of small molecules (J. Cvačka)

break & refreshment

10:50 – 12:10 Experimental strategies in proteomics (J. Březinová/M. Hubálek)

Guided tour & demonstration of the instruments; Open-access GC/MS training (lab. A.1.83 & A.1.88A)

14:00 - 16:30 Proteomics data interpretation (A.1.83; M. Hubálek)

Training for open-access GC/MS (A.1.88A; V. Vrkoslav)