



3rd European Lipidomic Meeting

July 2 - 4, 2013, Pardubice, Czech Republic

PROGRAM

Tuesday, 2 July		
10:00 - 12:00	120 min	Educative short courses <i>Chair: Stephen J. Blanksby</i>
10:00 - 11:00		Xianlin Han: Shotgun lipidomics
11:00 - 12:00		Michal Holčápek: LC/MS in lipidomics
13:15 - 13:30	15 min	Opening
13:30 - 15:20	110 min	Session A <i>Chair: Michal Holčápek</i>
13:30 - 14:10		Edward A. Dennis: Understanding Lipid Metabolism and Signaling Through Mass Spec Based Lipidomics
14:10 - 14:40		Walter Shaw: Perfecting the Formulation and Use of Lipidomic Standards
14:40 - 14:50		Michel Guichardant: Full characterization of lipoxygenase-derived dihydroxylated fatty acids from alpha- and gamma-linolenic acids
14:50 - 15:20		Ondřej Kuda: Lipidomics analysis of dietary obese mice in response to calorie restriction and n-3 fatty acids
15:20 - 16:20	60 min	Coffee break / Poster session
16:20 - 18:00	100 min	Session B <i>Chair: Edward A. Dennis</i>
16:20 - 16:50		Xianlin Han: Recent advances and applications of multi-dimensional mass spectrometry-based shotgun lipidomics
16:50 - 17:20		Keith Compson: Targeted and Untargeted approaches for the analysis of Lipid Metabolites by Mass Spectrometry
17:20 - 17:40		Ursula Loizides-Mangold: Lipidomic profiling of L-PBE deficient mice reveals changes in ceramides and dicarboxylic fatty acids, which cause acute liver inflammation and hepatic failure
17:40 - 18:00		Xue Li Guan: Lipidomics of host-pathogen interactions - elucidation of novel lipid functions in infectious diseases
19:00		Welcome mixer at Pardubice Chateau
Wednesday, 3 July		
8:30 - 10:10	100 min	Session C <i>Chair: Kim Ekroos</i>
8:30 - 9:10		Stephen J. Blanksby: Which fat is that? Structure elucidation of lipids by mass spectrometry
9:10 - 9:30		Josef Cvačka: Localization of double bonds in neutral lipids using HPLC-APCI/MS/MS with acetonitrile in the mobile phase
9:30 - 9:50		Michal Holčápek: Nontargeted lipidomic quantitation based on LC/MS
9:50 - 10:10		Francesco Cacciola: Development of a comprehensive two-dimensional liquid chromatography system combined with mass spectrometric detection for phospholipid analysis
10:10 - 10:40	30 min	Coffee break / poster session
10:40 - 12:20	100 min	Session D <i>Chair: Xianlin Han</i>
10:40 - 11:10		Kim Ekroos: Molecular Lipidomics - From Untying of Novel Biological Mechanisms to Identification of Single Diagnostic Lipid Biomarkers

11:10 - 11:40		David Peake: A new lipid software workflow for processing Orbitrap-based global lipidomics data in translational and systems biology research
11:40 - 12:00		William J. Griffiths: Quantitative Charge-Tags for Steroid Analysis
12:00 - 12:20		Lucie Římnáčová: Comparative metabolomics of phospholipids, sterols and steroids in model insects and human body fluids
12:20 - 13:30	70 min	Lunch
13:30 - 15:20	110 min	Session E <i>Chair: Bernhard Spengler</i>
13:30 - 14:10		Andrej Shevchenko: Lipids and hormones in the developing fly
14:10 - 14:40		Eva Duchoslav: Application of Differential Mobility Separations to Comprehensive Profiling of Lipids with Accurate Mass Spectrometry Techniques
14:40 - 14:50		Ladislav Kuchař: Lipidomics in diagnosis and research of lysosomal storage disorders
14:50 - 15:20		Cyrus Papan: Towards discovery of novel lipid classes from shotgun lipidomics mass spectra
15:20 - 16:20	60 min	Coffee break / poster session
16:20 - 18:00	100 min	Session F <i>Chair: Andrej Shevchenko</i>
16:20 - 16:50		Bernhard Spengler: Lipidomics in Tissue Imaging: Mass Spectrometry-Based Histology and Histopathology
16:50 - 17:20		Peter Sjövall: Combined TOF-SIMS imaging and confocal fluorescence microscopy of Alzheimer's disease transgenic mouse brains
17:20 - 17:40		Jürgen Schiller: Why do bee spermatozoa survive conditions that other sperm would not survive? A MALDI MS study of lipids
17:40 - 18:00		Klaus Dreisewerd: UV-LDI-oTOF mass spectrometry at elevated pressure: A new method for detecting long-chain cuticular lipids directly from insect cuticle
18:30		Bus departure for the dinner
19:00		Social dinner at Dašické cellars
22:00 - 23:00		Bus departures from the dinner

Thursday 4 July		
9:00 - 10:30	90 min	Session G <i>Chair: Josef Cvačka</i>
9:00 - 9:30		Harald C. Köfeler: HPLC coupled FT-MS methods in lipidomic research
9:30 - 9:50		Hector Gallart-Ayala: All ions fragmentation and polarity switching LC-HRMS for lipid profiling. Application for serum samples phenotyping related to canine mammary
9:50 - 10:10		Zita Purkrťová: Proteome coat of lipid bodies isolated from a marine bacterium <i>Alcanivorax borkumensis</i>
10:10 - 10:30		Helmut Hinterwirth: Antibody Conjugated Nanoparticles for Targeted Lipidomics by LC-MS/MS
10:30 - 11:00	30 min	Coffee break / poster session
11:00 - 12:30	90 min	Session H <i>Chair: Harald C. Köfeler</i>
11:00 - 11:30		Todd W. Mitchell: Lipids and age-related visual decline
11:30 - 11:50		Clara Weigelt: Fluxomics: a tool to reveal alterations in lipid metabolism after brown adipose tissue activation
11:50 - 12:10		Charlotte Gehin: A Kinome-wide RNAi screen to identify genes controlling membrane lipid homeostasis in Human cells
12:10 - 12:30		Hana Malínská: The effect of transcription factor NRF-2 on lipid metabolism and adipocyte membrane fatty acid composition in the metabolic syndrome
12:30 - 12:45	15 min	Closing remarks and best posters award
12:45 - 13:30	45 min	Lunch
13:30		Meeting of Czech Lipidomic Section (for members only)