

**Program of XD107 seminar in the Spring semester 2017**  
**Thursday May 25, 2017 A11-132**

Time		
8:00 - 8:15	Registration	Sign attendance sheet in A11/132. Pin up posters in Hallway between A14 and A11, 2nd floor
8:15 - 8:30	Opening	A11/132
<b>Lectures part I</b>		
8:30	Václav Kubát	Preparation and characterization of selected metal heavier chalcogenides
9:00	Jan Partyka	Analysis of Saccharides Derivatized by Labels with Positive Charges
9:30	Ravi Mawale	Selected applications of mass spectrometry
10:00	Lenka Kolářová	APPLICATIONS OF MASS SPECTROMETRY IN BIOMEDICAL RESEARCH
10:30	Pavel Klimeš	Technical perspective of investigating proteins involved in the plant hormone system
11:00	<b>Prof. Ing. Pavel Kočovský</b>	<b>Organocatalyzed Reductive Amination and its Application in the Construction of Biologically Significant Molecules</b>
12:00 - 13:00	Break	
13:00 - 14:00	Posters	Hallway between A14 and A11, 2nd floor All poster authors present at their posters
<b>Lectures part II</b>		
14:00	Lucie Ludvíková	Study of the mechanism of sensitization reactions using time-resolved spectroscopic methods
14:30	Libor Jaša	Methods to study environmental occurrence, fate and chemico-biological interactions of cyanobacterial toxins
15:00	Iaroslav Doroshenko	Coordination Compounds of Fe <sup>3+</sup> , Co <sup>2+</sup> and Ni <sup>2+</sup> , with (1-Amino-1-methyl-ethyl)phosphonic Acid and a New Schiff Base Ligands
15:30	Michal Greguš	Development of non-invasive point-of-care sampling and analysis of biological fluids
16:00	Jan Sadílek	Detection and fate of biological active pollutants in environmental matrices
16:30	Jiří Kalina	Usability of passive air sampling results for long term trend analysis and time trends assessment of POPs
17:00	Ondřej Audy	Emerging pollutants: their sampling, determination and risk assessment
17:30 - 18:30	Posters	Hallway between A14 and A11, 2nd floor All poster authors present at their posters. Beer will be served.
18:30	Best Lecture Award, Best Poster Award, Conclusion	A11/132

	Posters	
1	Zuzana Bílková	Determination of testosterone and corticosterone in feathers of barn swallows ( <i>Hirundo Rustica</i> )
2	Vojtěch Šádek	Electric field catalyzed Diels-Alder reaction of C70 with cyclohexa-1,3-diene
3	Markéta Machálková	MALDI TOF MS imaging of 3D neuroblastoma cell cultures
4	Tomáš Lízal	Biotin[6]uril sulfone dimer: a water-soluble dimeric anion receptor
5	Alena Otoupalíková	In situ calibration of passive samplers for the monitoring of steroid hormones in wastewater
6	Chimi Wangmo	Determinations of estrogens in water using novel reverse osmosis enrichment method with subsequent in vitro analysis
7	Prashant Khirsariya	SYNTHESIS OF NEW CARBOCYCLIC C-NUCLEOSIDE ANALOGS
8	Jan Podhorský	Synthesis of Tin (IV) Heteroaryl Alkenols and Their Susceptibility Towards Fluorination
9	Martin Kejík	Porous aromatic organosilicates: surface chemistry
10	Markéta Enderesová	Cucurbit[6]uril monofunctionalized on the methylene bridge position
11	Petra Babková	Crystallization of resurrected ancestral enzymes of haloalkane dehalogenase DbjA and DbeA
12	Vít Ladányi	Absorption spectra and photoisomerization quantum yields of azobenzene re-determined