

**Program of XD107 seminar in the Fall Semester 2017**  
**Friday February 9, 2018 A11-132**

	Time		
	8:15 - 8:45	Registration	Sign attendance sheet in A11/132. Pin up posters in Hallway between A14 and A11, 2nd floor
	8:45 - 9:00	Opening	A11/132
Number		Lectures	
1	9:00	Vladimíra Datinská	Förster resonance energy transfer sensor with a quantum dot for detection of specific DNA sequences
2	9:30	Lenka Filipová	Photoswitching of Azobenzene-Based Reverse Micelles above and at Subzero Temperatures
3	10:00	Vít Ladányi	Absorption spectra and photoisomerization quantum yields of azobenzene redetermined
4	10:30	Vít Vykoukal	Solvothermal hot injection metal nanoparticle synthesis
	11:00 - 12:00	Break	
	12:00 - 14:30	Posters	Hallway between A14 and A11, 2nd floor All poster authors present at their posters. Vote for the best poster 14:00-14:30
	15:00	Best Lecture Award, Best Poster Award, Conclusion	A11/132

	Posters	
1	Petra Babková	Structural analysis of resurrected ancestral enzymes of haloalkane dehalogenases
2	Martina Brázdová	APPLICATION OF WAXES AND CORROSION INHIBITORS ON METALS
3	Pavol Ďurč	CAPILLARY ELECTROPHORETIC ANALYSIS OF EXHALED BREATH CONDENSATE IN NON-INVASIVE DIAGNOSIS OF GASTROESOPHAGEAL REFLUX DISEASE
4	Magda Dvořáková	PLASMA PENCIL EMISSION RESPONSE ON COMBINED MATRIX SOLUTIONS
5	Michaela Hložková	LA-ICP-MS STUDY OF MATERIAL CHANGES IN FOSSILS
6	Kristýna Kroupová	A FAST AND SENSITIVE METHOD FOR DETERMINATION OF METHYLMERCURY IN HUMAN MILK AND BLOOD SAMPLES USING ISOTOPIC DILUTION HPLC-ICP-MS WITH SIMPLE SAMPLE PREPARATION
7	Vojtěch Ledvina	A microfluidic device for monitoring cancer cell migration
8	Eva Pospíšilová	Laser-Induced Breakdown Spectroscopy in the study of degraded glass mosaics
9	Adam Pruška	Quasi-homogeneous biological tissues as a universal tool for study of matrix layer homogeneity in MALDI MSI
10	Karel Rapouch	Effect of organic compounds on lead alloys corrosion in simulated soil solution
11	Lenka Sedláčková	Silicone rubber as a passive sampler for semivolatile contaminants of indoor air
12	Martin Sojka	Synthesis and NMR study of paramagnetic pyridine-based NAMI-A-type ruthenium complexes
13	Jakub Stošek	DFT and ab initio studies of the addition step of alkyne bromoboration II
14	Michaela Tvrdonova	A new strategy of reagents labeling (NPs, QDs) used in immunoassay with LA-ICP-MS
15	František Zelenka	Study of thermal stability of doped CoSb based skutterudites by Knudsen effusion mass spectrometry