

Program of XD107 seminar in the Fall Semester 2023			
Thursday February 1, 2024 B11-132			
Time			
	8:00 - 8:45	Registration	Sign attendance sheet in B11/132 room. Pin up posters in the Hallway between C14 and B11, 2nd floor
	8:45 - 9:00	Opening	B11-132
Number	Lectures		B11-132
1	9:00	Vít Pavelka	Characterization and optimization of SERS substrates using adenine as benchmark molecule and automation of data evaluation
2	9:30	Michael Killinger	BONE ON A CHIP
3	10:00	Helena Hrušková	Preparative electromigration techniques for the pretreatment of samples containing biomacromolecules
4	10:30	Michal Žalud	Detection of single Au/Ag NPs using SubAP LDI MSI
	11:00	BREAK	
5	11:15	Paula Martin Moyano	Thieno[3,2-b]pyridine: an Attractive Scaffold for Highly Selective Inhibitors of Underexplored Protein Kinases
6	11:45	Arico Del Mauro	Bambusuril-Based [1]Rotaxanes
7	12:15	Taufiqueahmed Mujawar	A Platform for the Synthesis of Oxidation Products of Bilirubin
	12:45	LUNCH	
	14:00 - 17:00	Posters	Hallway between C14 and B11, 2nd floor. All poster authors are present at their posters. Vote for the best poster by 17:00 in B11-132
	17:15	Best Lecture Award, Best Poster Award, Conclusion	B11-132
		Posters	Hallway between C14 and B11, 2nd floor
1		Ivo Krempl	LIBS imaging of selenium ores
2		Michaela Bahelková	CADMIUM ACCUMULATION IN ORGAN TISSUES AFTER INHALATION OF CADMIUM-BASED NANOPARTICLES
3		Pavčina Dadajová	Low-molecular-mass fluorescent isoelectric focusing markers suitable for the effective tracking of pH gradient
4		Jan Badin	Heavy water impact on Luminescence of Quantum Dots
5		Anna Kosmáková	Monolithic capillary reactors in proteomics sample preparation
6		Vladimir Jonas	Synthesis of silver-iron oxides nanocomposites and their application for SERS
7		Jiří Volánek	Synthesis and Modification of Magnetic Nanoparticles for Bioanalytical Applications
8		Michael Killinger	Development of the Miniaturized Instrumentation for Caspase Activity Detection
9		Pavel Hannig	INTERACTION OF THE ALKALOID FAGARONINE AND OTHER BENZO[C]PHENANTHRIDINE ALKALOIDS WITH G-QUADRUPLEXES
10		Kateřina Hřuzová	Deep Learning for Peptide Retention Time Prediction in Gradient Elution
11		Denisa Smolková	CHARACTERIZATION OF NEWLY SYNTHESIZED LABELS FOR ANALYSIS OF OLIGOSACCHARIDES AND GLYCANS BY LC/FLD-MS
12		Helena Hrušková	A 3D-printed device for DNA fractionation
13		Michal Žalud	The synthesis and use of gold nanoparticles in mass spectrometry imaging
14		Paula Martin Moyano	Identification of Novel Thieno[3,2-b]pyridines as Inhibitors of the Kinase Haspin
15		Kristýna Gazdová	Magnetism in TiO ₂ from ab initio perspective
16		Michaela Šusterová	BAMBUS[6]URIL BASED MATERIALS FOR WATER PURIFICATION
17		Lenka Mádi	Enhancement of luminescence signal by deuterated water
18		Yann A. Jézéquel	3-Hydroxyflavothiones Derivatives as Light-Activated Carbon Monoxide Releasing Molecule (Photo-CORM)
19		Jan Valášek	Microflow LC-MS optimization in proteomics analysis
20		Mahya Asgharian Marzabad	Encapsulation and Biological Studies of Bioactive Ruthenium(III) Complexes in CD-MOF-1
21		Zdeněk Král	NOVEL CeWTiOx CATALYST FOR LOW TEMPERATURE SELECTIVE CATALYTIC REDUCTION
22		Jakub Nagy	Synergistic experimental and computational investigation of CO ₂ capture mechanism by using water-free amine sorbents
23		Xiaochun Li	Unique insights into the electrode/electrolyte interface of boron-doped diamond electrodes