

**Program of XD107 seminar in the Fall Semester 2022
Thursday February 9, 2023 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	Markéta Procházková	A new quantum dot luminiscent probe for caspase 3/7 imaging inside cells based on Förster resonance energy transfer
2	9:30	Susrisweta Behera	Effect of freezing on the acidity of pharmaceutical excipients
	10:00 - 10:15	Break	
	10:15 - 12:30	Posters	Hallway between C14 and B11, 2nd floor. All poster authors are present at their posters. Vote for the best poster by 12:30 in B11-132
	12:45	Best Lecture Award, Best Poster Award, Conclusion	B11-132
Posters			
1		Erik Kalla	DFT Analysis of Diels-Alder Reactions for the preparation of forskolin derivatives
2		Michael Killinger	2D and 3D cartilage models for drug testing and "high throughput" screening – the impact of PORCN inhibition on cartilage development
3		Raju Hazra	Total Synthesis of the Cryptic Secondary Metabolite Acybolin B
4		Mahya Asgharian Marzabad	FABRICATION OF FOLIC ACID-BASED SUPRAMOLECULAR METALLOGELS
5		Markéta Bosáková	INSTRUMENTAL CONFIGURATION EFFECT ON THE LIBS ACOUSTIC SIGNAL RESPONSE
6		Milan Říha	Interactions of gold(I) complexes with models of Thioredoxin reductase; DFT & QM/MM studies
7		Vilém Svojanovský	Single particle inductively coupled plasma mass spectrometry imaging of immunochemically labeled spheroid sections
8		Pavel Hannig	ALKALOID FAGARONINE AND ITS INTERACTION WITH NON-CANONICAL DNA STRUCTURES
9		Petr Macháč	HIGHLY POROUS HYBRID ZIRCONIUM PHOSPHONATES BY NON-HYDROLYTIC SOL-GEL METHODS
10		Lucie Šimoníková	MULTIELEMENTAL ANALYSIS OF TANTALUM ORES BY ICP-OES
11		Viktorie Širůčková	THE SPECTROSCOPIC STUDY OF KINETIC PROPERTIES OF Pb(II) COMPLEXES WITH PHOSPHONIC ACID DERIVATIVE LIGANDS
12		Jaromír Stráník	A new approach to determining the particle transport efficiency of ablation cells
13		Lukáš Pečinka	DERIVATIZATION STRATEGIES FOR SENSITIVE MONITORING OF SMALL MOLECULES ON TISSUE SAMPLES
14		Denisa Smolková	Multi-cationic aminopyrene-based tag for oligosaccharide analysis by capillary electrophoresis with laser-induced fluorescence detection
15		Susrisweta Behera	Spectroscopical measurements of freezing-induced acidity jump of pharmaceutical reliable buffers
16		Matúš Chvojka	Bambusurils with Fluorinated Substituents – Effects on Binding and Transport Properties
17		Jacopo Torrisi	Synthesis of Water-Soluble Amino-Functionalized Bambus[n]urils
18		Shib Shankar Paul	SUPRAMOLECULAR PROPERTIES OF PYRIPLATIN-BASED COMPOUNDS
19		Lenka Kubinyiová	Sensitive determination of tetracycline antibiotics by liquid chromatography with fluorescence and mass spectrometric detection
20		Lucie Leonová	HYBRID ACID CATALYSTS PREPARED VIA TRIMETHYLSILYLATION OF ALUMINOSILICATES SYNTHESIZED BY NON-HYDROLYTIC SOL-GEL
21		Carola Rando	Tuning Selectivity of Bambus[6]urils toward Inorganic Anions
22		Subhasis Chattopadhyay	Bile Acids – Natural Building Blocks for Porous Coordination Self-Assemblies
23		Tomáš Pokorný	Ethanol dehydrogenation over Cu-SiO ₂ catalysts prepared by sol-gel, impregnation, and deposition techniques