

Program of XD107 seminar in the Fall Semester 2025			
Thursday February 12, 2026 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
	9:00	Info on Ph.D. program	Information for students and supervisors on the Ph.D. studies
1	9:15	Michal Mlynek	Designing Porous Boroalumininate Catalysts via Non-Hydrolytic Chemistry
2	9:45	Jaromír Stráník	Laser Ablation of Nanoparticles in Single-Particle ICP-MS: Fundamentals, Transport, and Applications
3	10:15	Nasrulla Majid Khan	Phototruncation of Heptamethine Cyanines
10:45 - 10:50		BREAK	
	10:50 - 11:45	Dr. Ing. Vinicius Santana, CEITEC BUT	EPR insights into spin couplings in coordination compounds
11:45 - 12:45		LUNCH BREAK	
12:45 - 14:15		Poster session	Hallway between C14 and B11, 2nd floor. All poster authors are present at their posters. Vote for the best poster by 14:15 in B11-132
14:30		Best Lecture Award, Best Poster Award, Conclusion	B11-132
		Posters	Hallway between C14 and B11, 2nd floor
1		Raju Hazra	Convergent Synthetic Approach to Aphidicolin
2		Lucie Březinová	Acoustofluidic Focusing of PS@Ag: Towards Continuously refreshing SERS Substrate
3		Michaela Šusterová	Bambus[n]uril-based Supramolecular Materials
4		Tomáš Kopec	Reactions on Bambus[6]uril Portals
5		Jaromír Stráník	A method for determination of transport efficiency in laser ablation inductively coupled plasma mass spectrometry for soft tissue analysis
6		Monika Koktavá	Mass Spectrometry Imaging of Bacteria in Colorectal Carcinoma-Derived Spheroids
7		Adam Štefek	Discovery of new selective protein kinase inhibitors
8		Hana Brožková	EVAPORATED VOLUME ANALYSIS (EVA) FOR CHARACTERIZATION OF PHOTON-UPCONVERSION NANOPARTICLE-BASED FÖRSTER RESONANCE ENERGY TRANSFER SYSTEMS
9		Tereza Procházková	NEW GLASS CALIBRATION STANDARDS FOR LA-ICP-MS: DEVELOPMENT, TESTING AND APPLICABILITY
10		Michaela Bahelková	CADMIUM ACCUMULATION IN ORGAN TISSUES AFTER INHALATION OF CADMIUM-BASED NANOPARTICLES
11		Jan Valášek	Towards open tubular columns with hypercrosslinked layer
12		Vojtěch Kučera	Rhodizonate as a Light-Activated System for Controlled Carbon Monoxide Release
13		Pavel Chaloupský	Laser-Induced Breakdown Spectroscopy imaging of plastics from cave environment