

Section 6 - Pharmaceutical Analysis: 31. Jan 2024, 8:30 – 14:15

CHAIRPERSONS: PROF. ING. FRANTIŠEK ŠVEC, DR.SC., DOC. PHARMDR. HANA SKLENÁŘOVÁ, PH.D.,
DOC. PHARMDR. RADIM KUČERA, PH.D.,

8:30 - 8:45	PBA1	OPTIMIZATION OF THE CE-MS METHOD FOR THE SIMULTANEOUS ANALYSIS OF NSAIDS AND BOSWELLIC ACIDS <i>DMYTRO KOSOLAPOV</i>
8:45 - 9:00	PBA2	THE ROLE OF SUPPORTED LIQUID EXTRACTION IN TARGETED STEROID PROFILING IN MICE PLASMA <i>TAŤÁNA GAZÁRKOVÁ</i>
9:00 - 9:15	PBA3	COMPLEX SCREENING OF RETENTION BEHAVIOUR OF CATECHOLAMINES <i>DANIEL HEBLÍK</i>
9:15 - 9:30	PBA4	QUALITY CONTROL OF TRIBULUS TERRESTRIS FOOD SUPPLEMENTS USING VALIDATED UHPLC-CAD METHOD <i>MICHAELA SANDEROVÁ</i>
9:30 - 9:45	PBA5	MINIATURIZED SAMPLE PREPARATION: ELECTROMEMBRANE EXTRACTION AND VOLUMETRIC ABSORPTIVE MICROSAMPLING <i>ADAM REGULI</i>
9:45 - 10:00	PBA6	TWO-DIMENSIONAL SAX×RP LIQUID CHROMATOGRAPHY FOR ANALYSIS OF COMPLEX PROTEOMIC SAMPLES <i>DENIS NAPLEKOV</i>
10:00 - 10:15	PBA7	IMPLEMENTING 1.5 MM INNER DIAMETER COLUMNS INTO LC-MS BOTTOM-UP PROTEOMIC WORKFLOWS <i>SIDDHARTH JADEJA</i>
10:15 - 10:30		BREAK
10:30 - 10:45	PBA8	UNRAVELING ALKALOID PROFILES IN DIVERSE BARBERRY SPECIES': UHPLC-HRMS AMPLIFIED BY WEAK CATION MIXED-MODE SOLID PHASE EXTRACTION <i>ŠTEFAN KOSTURKO</i>
10:45 - 11:00	PBA9	IN-SYRINGE AUTOMATED DISPERSIVE SOLID PHASE EXTRACTION OF SELECTED ALKYL-PHENOLS COUPLED ONLINE TO HPLC <i>TAR TAR MOE HTET</i>
11:00 - 11:15	PBA10	ADVANCED EXTRACTION APPROACHES BASED ON NANOFIBERS AS SORBENT MATERIALS FOR EXTRACTION OF ENVIRONMENTAL CONTAMINANTS <i>EWELINA CZYZ</i>
11:15 – 11:30	PBA11	LAB-IN-SYRINGE METHOD FOR LOW-ABUNDANT PROTEIN PRECONCENTRATION FROM LARGE SAMPLE VOLUME <i>ZUZANA SVOBODOVÁ</i>
11:30 – 11:45	PBA12	PITFALLS IN LC-MS ANALYSIS OF LIPID PEROXIDATION PRODUCTS <i>NELA VÁŇOVÁ</i>

11:45 – 12:00 **PBA13** ISOLATION AND DETERMINATION OF ALPHA- AND BETA-BITTER ACIDS IN HOPS AND NUTRACEUTICALS
JAROSLAV JENČO

12:00 - 13:00 **BREAK**

CHAIRPERSONS: PROF. RNDR. DALIBOR ŠATÍNSKÝ, PH.D., PHARMDR. JURAJ LENČO, PH.D.

13:00 – 13:15 **PBA14** COMPREHENSIVE TWO-STEP SUPERCRITICAL FLUID EXTRACTION FOR THE ISOLATION OF BIOACTIVE COMPOUNDS FROM PLANTS
VERONIKA PILAŘOVÁ

13:15 – 13:30 **PBA15** SUPERCRITICAL FLUID CHROMATOGRAPHY-MULTIMODAL IONIZATION-TANDEM MASS SPECTROMETRY AS A UNIVERSAL TOOL FOR ANALYSIS OF PLANT EXTRACTS
KATEŘINA PLACHKÁ

13:30 – 13:45 **PBA16** OPTIMIZATION OF SAMPLE PREPARATION FOR THE UHPLC-MS/MS DETERMINATION OF OCHRATOXINS IN URINE
HANA CHMELAŘOVÁ

13:45 – 14:00 **PBA18** PHYSICOCHEMICAL CHARACTERIZATION AND COMPATIBILITY STUDY OF LENVATINIB MESYLATE WITH EXCIPIENTS BY DIFFERENT ANALYTICAL TECHNIQUES
FARAAT ALI - ONLINE