

Section 7 - Pharmaceutical Analysis: 2. Feb 2023, 8:30 – 16:00

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

- 8:30 - 8:45 **PBA1** UNRAVELLING THE LIPIDOME OF ATHEROSCLEROTIC PLAQUES USING MATRIX-ASSISTED LASER DESORPTION IONISATION – TRAVELLING WAVE ION MOBILITY MASS SPECTROMETRY
TAŽÁNA GAZÁRKOVÁ
- 8:45 - 9:00 **PBA2** SOLVENT-ASSISTED DISPERSIVE SOLID PHASE EXTRACTION OF BISPHENOLS USING IRON (III) THENOYLTRIFLUOROACETONATE COMPLEX (Fe(TTA)₃) AS NEW NANOSTRUCTURED SORBENT.
CELESTINE VUBANGSI GEMUH
- 9:00 - 9:15 **PBA3** UHPLC-MS/MS IN ANALYSIS OF ANTHRACYCLINES IN CULTURE MEDIUM AND CARDIAC CELLS
PAULÍNA HATOKOVÁ
- 9:15 - 9:30 **PBA4** COMPLEX SCREENING OF RETENTION BEHAVIOUR OF CATECHOLAMINES
DANIEL HEBLÍK
- 9:30 - 9:45 **PBA5** COMPREHENSIVE CHIRAL GC-MS/MS AND LC-MS/MS METHOD FOR IDENTIFICATION AND DETERMINATION OF N-ACYL HOMOSERINE LACTONES
ONDŘEJ HORÁČEK
- 9:45 - 10:00 **PBA6** THE USE OF MOBILE PHASE WITH WEAK ACID AND AT LOW CONCENTRATION IN LC-MS PROTEOMIC ANALYSIS LEADS TO ENHANCED ELECTROSPRAY IONIZATION AND IMPROVED SENSITIVITY
SIDDHARTH JADEJA
- 10:00 - 10:15 **PBA7** GRADIENT DESIGN AND OPTIMIZATION FOR SUSPECT SCREENING IN EQUINE DOPING CONTROL APPLICATION
AHMED KHALIFA
- 10:15 - 10:30 **BREAK**
- 10:30 - 10:45 **PBA8** PHENOLIC COMPOUNDS PROFILING IN ARCHIVE TOKAJ WINE WITH ADVANCED CHROMATOGRAPHIC APPROACHES
PAVLÍNA MORAVCOVÁ
- 10:45 - 11:00 **PBA9** DEVELOPMENT OF CE-MS METHOD FOR THE SIMULTANEOUS ANALYSIS OF BOSWELLIC ACIDS AND NONSTEROIDAL ANTI - INFLAMMATORY DRUGS
DMYTRO KOSOLAPOV
- 11:00 - 11:15 **PBA10** POSSIBILITIES OF RPLC-UV-MS IN CHARACTERIZATION OF ON-SITE PREPARED DTPA-TRASTUZUMAB CONJUGATE PRIOR TO RADIOLABELING
DENIS K. NAPLEKOV
- 11:15 – 11:30 **PBA11** LC-MS/MS STUDY OF NEW PROMISING TACRINE DERIVATIVES BIOTRANSFORMATION.
MARTIN NOVÁK
- 11:30 – 11:45 **PBA12** OPTIMIZATION OF UHPLC METHOD FOR THE ANALYSIS OF TRIBULUS TERRESTRIS EXTRACTS
MICHAELA SANDEROVÁ

11:45 – 12:00 **PBA13** **ADVANCED MICROSAMPLING STRATEGIES BASED ON DRIED BLOOD SPOT IN ILLICIT DRUG ANALYSIS**
DOROTA TUROŇOVÁ

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

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

13:00 – 13:15 **PBA14** **DISTRIBUTION OF INDIVIDUAL FORMS OF VITAMIN K IN LIPOPROTEIN LAYERS DETERMINED WITH A COMBINATION OF ULTRACENTRIFUGATION AND UHPLC-MS/MS**
KRISTÝNA MRŠTNÁ - ONLINE

13:15 – 13:30 **PBA15** **ELECTROMEMBRANE EXTRACTION: A NOVEL AND EFFECTIVE MICROEXTRACTION TECHNIQUE IN BIOANALYSIS**
HANA BAVLOVIČ PISKÁČKOVÁ

13:30 – 13:45 **PBA16** **LAB-IN-SYRINGE FOR HPLC-DIRECTED SAMPLE PREPARATION**
BURKHARD HORSTKOTTE

13:45 – 14:00 **PBA17** **DEVELOPMENT OF UHPLC-MS/MS METHOD FOR THE DETERMINATION OF OCHRATOXINS IN URINE**
HANA CHMELAŘOVÁ

14:00 – 14:15 **PBA18** **PIPETTE-TIP MICROEXTRACTION FOR VITAMIN A ANALYSIS**
CHAWEEWAN SUWANVECHO

14:15 – 14:30 **PBA19** **TARGETED AND NON-TARGETED ANALYSIS OF FLAVONOID METABOLITES IN PLASMA**
HANA KOČOVÁ VLČKOVÁ

14:30 – 14:45 **BREAK**

14:45 – 15:00 **PBA20** **SIMPLE PRECONCENTRATION FROM LARGE-VOLUME SAMPLES USING GRAPHENE-DOPED NANOFIBROUS POLYMER DISKS**
IVONA LHOTSKÁ

15:00 – 15:15 **PBA21** **SUPERCritical FLUID EXTRACTION OF RESINIFERATOXIN FROM PLANT MATERIAL**
VERONIKA PILAŘOVÁ

15:15 – 15:30 **PBA22** **ORGANOGEls AS AN INNOVATIVE APPROACH FOR EXTRACTION OF LIPOPHILIC COMPOUNDS FROM URINE**
KATEŘINA PLACHKÁ

15:30 – 15:45 **PBA23** **CHROMATOGRAPHIC DETERMINATION OF CARDIOLIPINS AND THEIR OXIDATION PRODUCTS**
NELA VÁŇOVÁ

15:45 – 16:00 **PBA24** **NEW APPROACHES IN MINIATURIZATION OF SAMPLE PREPARATION - EXTRACTION FROM VAMS TIPS**
ADAM REGULI