

## Section 6 - Biochemistry, Pharmacology and Toxicology II: 2. Feb 2023, 8:30 – 14:30

CHAIRPERSONS: DOC. PHARMDR. LUKÁŠ ČERVENÝ, PH.D., PHARMDR. IVAN VOKŘÁL, PH.D.

- 8:30 - 8:45 **BPT17** COMPARISON OF COAGULATION BETWEEN DIABETES MELLITUS TYPE I PATIENTS AND HEALTHY VOLUNTEERS: PRELIMINARY DATA.  
*RAUL ALVA-GALLEGOS*
- 8:45 - 9:00 **BPT18** EFFECT OF FLAVONOIDS ON ZINC AND ZINC-CONTAINING DEHYDROGENASES  
*MARCEL HRUBŠA*
- 9:00 - 9:15 **BPT19** PLATELET RESPONSIVENESS IN FAMILIAL HYPERCHOLESTEROLEMIC PATIENTS TREATED WITH PROPROTEIN CONVERTASE SUBTILISIN/KEXIN TYPE 9 MONOCLONAL ANTIBODIES  
*LUKÁŠ KONEČNÝ*
- 9:15 - 9:30 **BPT20** VOLTAGE-GATED POTASSIUM (KV) CHANNELS CONTRIBUTE TO 3-METHOXYCATHECOL-INDUCED VASORELAXATION ON RAT AORTA EX VIVO  
*PATRÍCIA DIAS*
- 9:30 - 9:45 **BPT21** DIFFERENCES IN PLATELET-MONOCYTE AGGREGATES OCCURRENCE BETWEEN HEALTHY VOLUNTEERS AND FAMILIAL HYPERCHOLESTEROLEMIA PATIENTS  
*JAKA FADRAERSADA*
- 9:45 - 10:00 **BPT22** WHAT IS THE ROLE OF ENDOGLIN AND SOLUBLE ENDOGLIN IN DIFFERENT LIVER PATHOLOGIES?  
*SAMIRA EISSAZADEH*
- 10:00 - 10:15 **BPT23** POTENTIAL INVOLVEMENT OF ENDOGLIN IN CORONARY ARTERY ENDOTHELIAL DYSFUNCTION FROM DIABETIC PATIENTS – A PILOT STUDY  
*MARTINA VAŠINOVÁ*
- 10:15 - 10:30 **BREAK**

CHAIRPERSONS: DOC. ING. PETRA MATOUŠKOVÁ, PH.D., DOC. PHARMDR. LUKÁŠ ČERVENÝ, PH.D.

- 10:30 - 10:45 **BPT24** BRUTON'S TYROSINE KINASE INHIBITOR TIRABRUTINIB COUNTERACTS ANTHRACYCLINE RESISTANCE BY TARGETING ALDO-KETO REDUCTASE 1C3  
*LUCIE ČERMÁKOVÁ*
- 10:45 - 11:00 **BPT25** COBIMETINIB ANTAGONIZES ABCB1 AND CYP P450 ISOENZYMES MEDIATED CHEMOTHERAPEUTIC DRUG RESISTANCE  
*FAHDA AHMED*
- 11:00 - 11:15 **BPT26** TALAZOPARIB EFFECTIVELY MODULATES PHARMACOKINETIC RESISTANCE MEDIATED BY ABCG2 AND ABCC1: AN IN VITRO AND EX VIVO STUDY  
*ZIBA SABET*
- 11:15 – 11:30 **BPT27** GILTERITINIB RESISTANCE IN ACUTE MYELOID LEUKEMIA  
*SIMONA SUCHA*
- 11:30 – 11:45 **BPT28** EXTRACELLULAR MATRIX-RELATED SIGNALING PARTICIPATES IN THE DEVELOPMENT OF RESISTANCE TO EGFR-TARGETING TYROSINE KINASE INHIBITORS  
*YU ZHANG*

11:45 – 12:00 **BPT29** **BIOLOGICAL ACTIVITY OF EUROPEAN FERNS**  
*ANTONIO PAVICIC*

12:00 – 13:00 **BREAK**

**CHAIRPERSONS: DOC. PHARMDR. MARTINA ČEČKOVÁ, PH.D., DOC. ING. PETRA MATOUŠKOVÁ, PH.D.**

13:00 – 13:15 **BPT30** **EXPRESSION OF SELECTED GENES IN HAEMONCHUS CONTORTUS EXPOSED TO SUB-LETHAL DOSES OF FENBENDAZOLE**  
*KAROLÍNA ŠTĚRBOVÁ*

13:15 – 13:30 **BPT31** **UHPLC/MS ANALYSIS OF FENBENDAZOLE METABOLITES IN HAEMONCHUS CONTORTUS**  
*JOSEF KRÁTKÝ*

13:30 – 13:45 **BPT32** **CONSTRAINT-BASED METABOLIC MODEL OF THE PARASITIC NEMATODE HAEMONCHUS CONTORTUS**  
*MARTIN ŽOFKA*

13:45 – 14:00 **BPT33** **THE POTENTIAL OF FERNS EXTRACTS AGAINST HAEMONCHUS CONTORTUS**  
*MARKÉTA ZAJÍČKOVÁ - ONLINE*

14:00 – 14:15 **BPT34** **METABOLISM OF 6-PRENYLNARINGENIN IN VITRO**  
*MICHAELA ŠADIBOLOVÁ - ONLINE*

14:15 – 14:30 **BPT35** **MONITORING OF THE FENBENDAZOLE IN THE ENVIRONMENT**  
*MARTINA NAVRÁTILOVÁ - ONLINE*