

Section 3 - Biochemistry, Pharmacology and Toxicology I: 1. Feb 2022, 11:00 – 16:45

CHAIRPERSONS: DOC. PHARMDR. MARTINA ČEČKOVÁ, PH.D., DOC. RNDR. JAKUB HOFMAN, PH.D.

- 11:00 - 11:15 **BPT1** FLAVONOID METABOLITE 3-HYDROXYPHENYLACETIC ACID RELAXES PORCINE CORONARY ARTERY EX VIVO: A MECHANISTIC STUDY
DIAS PATRÍCIA
- 11:15 – 11:30 **BPT2** COMPARISON OF THE EFFECTS OF CLINICALLY USED ANTICOAGULANTS IN A COHORT OF HEALTHY DONORS
FADRAERSADA JAKA
- 11:30 – 11:45 **BPT3** SCREENING OF COBALT CHELATORS
MORAVCOVÁ MONIKA - ONLINE
- 11:45 – 12:00 **BPT4** METABOLISM AND TOXICITY OF ANTHRACYCLINE ALCOHOL METABOLITE TOWARD NEONATAL RAT CARDIOMYOCYTES
APPLOVÁ LENKA
- 12:00 – 12:15 **BPT5** REVIEWED EFFECTS OF XK469 ON TOPOISOMERASE 2 ACTIVITY AND ITS CONSEQUENCES FOR CARDIOPROTECTION
SKALICKÁ VERONIKA
- 12:15 - 12:30 **BPT6** POTENTIAL OF TOPOISOMERASE II INHIBITORS IN PREVENTION OF ANTHRACYCLINE CARDIOTOXICITY
KUBEŠ JAN
- 12:30 - 13:30 **BREAK**

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

- 13:30 - 13:45 **BPT7** INTERACTION OF CATECHOL DERIVATIVES WITH ESTROGEN RECEPTORS. CYTOTOXICITY AND GENE EXPRESSION
ALVA RAUL GALLEGOS
- 13:45 - 14:00 **BPT8** NOVEL ANTI-AML DRUGS AS INHIBITORS OF ABC TRANSPORTERS
AHMED FAHDA - ONLINE
- 14:00 - 14:15 **BPT9** ON THE ROLES OF UGT1A1 AND UGT2B7 DRUG METABOLIZING ENZYMES IN CELLULAR CYTOSTATIC RESISTANCE
BUDAGAGA YOUSSEF
- 14:15 – 14:30 **BPT10** ROLES OF CANCER STEM CELL – AND APOPTOSIS-RELATED PATHWAYS IN THE DEVELOPMENT OF ACQUIRED RESISTANCE TO EGFR INHIBITORS
ZHANG YU
- 14:30 – 14:45 **BPT11** ALISERTIB ACTS AS A DUAL ACTIVITY RESISTANCE MODULATOR THROUGH THE INHIBITION OF ABCC1 TRANSPORTER
SABET ZIBA
- 14:45 – 15:00 **BPT12** PHOTOBIOLOGICAL PROPERTIES OF THE MOST ACTIVE PHTHALOCYANINES FROM INTERNATIONAL COOPERATION AS PHOTOSENSITIZERS FOR PHOTODYNAMIC THERAPY
HALAŠKOVÁ MARIE - ONLINE

15:00 – 15:15 **BREAK**

CHAIRPERSONS: PROF. PHARMDR. PETR PÁVEK, PH.D., PHARMDR. MARTIN AMBROŽ, PH.D.

- 15:15 - 15:30 **BPT13** **CRISPR/CAS9-MEDIATED KNOCKOUT OF LRP2 GENE IN CELL LINES**
ĎURINOVÁ ANNA - ONLINE
- 15:30 – 15:45 **BPT37** **EFFECT OF PRENATAL ANTIDEPRESSANT USE ON MONOAMINE HOMEOSTASIS IN THE FETO-PLACENTAL UNIT; TRANSCRIPTOMIC AND ULTRASOUND STUDIES**
HORÁČKOVÁ HANA - ONLINE
- 15:45 – 16:00 **BPT15** **EFFECT OF PRO-INFLAMMATORY CYTOKINES ON ABC AND SLC TRANSPORTERS` GENE EXPRESSION IN HUMAN PLACENTAL CELL LINES AND VILLOUS EXPLANTS**
DUDIČOVÁ SIMONA - ONLINE
- 16:00 – 16:15 **BPT16** **TISSUE AND SOLUBLE ENDOGLIN CHANGES DURING LIVER FIBROSIS IN MICE**
EISSAZADEH SAMIRA - ONLINE
- 16:15 – 16:30 **BPT17** **EFFECTS OF ANTI-ENDOGLIN ANTIBODY (TRC105) ON ENDOGLIN EXPRESSION, SIGNALING AND FUNCTION IN 7-KETOCHOLESTEROL AND HIGH GLUCOSE INDUCED ENDOTHELIAL DYSFUNCTION**
TRIPSKÁ KATARÍNA - ONLINE
- 16:30 – 16:45 **BPT18** **SOLUBLE ENDOGLIN AND LABETALOL AGGRAVATES ESTROGEN-INDUCED INTRAHEPATIC CHOLESTASIS**
IGREJA SÁ IVONE - ONLINE