

Section 2 - Biochemistry, Pharmacology and Toxicology I: 1. Feb 2023, 10:00 – 15:15

CHAIRPERSONS: PROF. PHARMDR. TOMÁŠ ŠIMŮNEK, PH.D., DOC. PHARMDR. MARTINA ČEČKOVÁ, PH.D.

- 10:00 - 10:15 **BPT1** PCR ANALYSIS OF SELECTED MARKERS OF VASCULAR DAMAGE IN VASCULAR-TARGETED PHOTODYNAMIC THERAPY
PETRA FIKROVA
- 10:15 - 10:30 **BPT2** DRUG-INDUCED CARDIAC TOXICITY AND SENEESCENCE
EDUARD JIRKOVSKÝ
- 10:30 - 10:45 **BPT3** AFFIBLOT AS A TOOL FOR ANTIBODY QUALITY ASSESSMENT
ZUZANA SVOBODOVÁ
- 10:45 - 11:00 **BPT4** EFFECT OF INFLAMMATION ON PLACENTAL TRYPTOPHAN METABOLISM: FROM CLINICAL STUDIES TO BASIC RESEARCH
CILIA ABAD
- 11:00 - 11:15 **BPT5** EXPLORING THE ANTI-INFLAMMATORY POTENTIAL OF PSYCHOTROPIC AND NON-PSYCHOTROPIC CANNABINOIDS IN HUMAN PLACENTA
RAMON PORTILLO
- 11:15 – 11:30 **BPT6** ENDOCANNABINOID SYSTEM IN PLACENTA: GENE EXPRESSION AND METABOLOMIC ANALYSIS IN HEALTHY AND PRETERM PREGNANCIES
TETIANA SYNOVA
- 11:30 – 11:45 **BPT7** MONOAMINE TRANSPORT IN THE TROPHOBLAST; EFFECT OF TROPHOBLAST DIFFERENTIATION AND DRUGS COMMONLY USED IN PREGNANCY
VERONIKA VÁCHALOVÁ
- 11:45 – 12:00 **BPT8** ANTIDEPRESSANTS IN PREGNANCY; ACUTE AND CHRONIC EFFECTS
HANA HORACKOVA
- 12:00 - 13:00 **BREAK**

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

- 13:00 - 13:15 **BPT9** A STUDY ON PHARMACOKINETIC ASPECTS OF RIFAMPICIN AND ITS DERIVATIVES IN LIVER CELL MODELS
TOMÁŠ SMUTNÝ
- 13:15 - 13:30 **BPT10** THE EFFECT OF PRENYLFLAVONOIDS ON GENE EXPRESSION IN HEALTHY AND STEATOTIC MURINE PRECISION-CUT LIVER SLICES
NIKOLA RYCHLÁ
- 13:30 - 13:45 **BPT11** CHANGES IN THE GENE EXPRESSION IN THE IN VITRO MODEL OF STEATOSIS
GABRIELA SVOBODOVÁ
- 13:45 - 14:00 **BPT12** CHANGES IN MIRNA EXPRESSION IN TWO MOUSE MODELS OF NAFLD
EHIOFOMWAN OMWANGHE
- 14:00 - 14:15 **BPT13** THE INTERACTION OF 6-PRENYLNARINGENIN WITH ABCB1
MARTIN HULIČIAK

- 14:15 – 14:30 **BPT14** **GENETICALLY MODIFIED CELL LINES USED IN NEW LRP2 LIGANDS DETERMINATION**
ANNA ĎURINOVÁ
- 14:30 – 14:45 **BPT15** **ARE MULTICELLULAR SPHEROIDS A SUITABLE TOOL FOR PHOTODYNAMIC THERAPY RESEARCH?**
MAGDALÉNA KOZLÍKOVÁ
- 14:45 – 15:00 **BPT16** **CHARACTERIZATION OF DUAL-SPECIES BIOFILMS FORMED UNDER DIFFERENT CONDITIONS IN VITRO**
PAVLÍNA VÁVROVÁ