

Section 1 - Bioorganic and Pharmaceutical Chemistry: 1. Feb 2023, 10:00 – 17:30

CHAIRPERSONS: PROF. PHARMDR. PETR ZIMČÍK, PH.D., JESSICA CERAMELLA, PHD

- 10:00 - 10:15 **BPC1** **SYNTHESIS OF SUBPHTHALOCYANINES FOR FORMATION OF SUPRAMOLECULAR COMPLEXES WITH CUCURBITURIL**
LUCIA KOČIŠČÁKOVÁ
- 10:15 – 10:30 **BPC2** **SYNTHESIS OF LOW-SYMMETRY PHTHALOCYANINES VIA [3+1] INTERMOLECULAR CYCLIZATION REACTION**
JIBIN ALEX ABRAHAM
- 10:30 – 10:45 **BPC3** **COMPLEXATION METHOD AS A USEFUL TOOL IN SILICON(IV) TETRAPYRAZINOPORPHYRAZINES SYNTHESIS**
MICHAELA KOLÁŘOVÁ
- 10:45 – 11:00 **BPC4** **FUNCTIONALIZED GLASS SURFACE AS TEMPLATE FOR CERAMIDES ANCHORING**
PANAGIOTA VELISSARI
- 11:00 - 11:15 **BPC5** **SYNTHESIS OF MODIFIED CERAMIDE-COATED GOLD NANOPARTICLES TO STUDY SKIN BARRIER ARRANGEMENT**
SORINA HIRBOD
- 11:15 – 11:30 **BPC6** **METAL CATION FLUORESCENCE SENSORS BASED ON AXIAL AZA-CROWN LIGANDS**
MARY ANGELIA ALFRED
- 11:30 – 11:45 **BPC7** **DIENE-TRANSMISSIVE DIELS-ALDER REACTIONS OF ELECTRON-POOR [3]DENDRALENES**
ZBYNĚK BRŮŽA
- 11:45 – 12:00 **BPC8** **TOWARDS NATURAL PRODUCTS AND COMPLEX MOLECULES VIA HETEROCYCLIC DENDRALENES**
MICHAL KADANÍK
- 12:00 – 13:00 **BREAK**

CHAIRPERSONS: DOC. PHARMDR. JAN ZITKO, PH.D., PHARMDR. LUKÁŠ OPÁLKA, PH.D.

- 13:00 – 13:15 **BPC9** **GOLD(I) CATALYSIS & ORGANOCATALYSIS: DO THEY MATCH?**
PETR MATOUŠ
- 13:15 – 13:30 **BPC10** **[3]DENDRALENES AS ACCEPTORS FOR MICHAEL AND ANTI-MICHAEL ADDITIONS**
STEFANIE MAGELA PERDOMO
- 13:30 – 13:45 **BPC11** **PROGRESS IN TOTAL SYNTHESIS OF NOSTOTREBIN 6**
ONDŘEJ KRATOCHVÍL
- 13:45 – 14:00 **BPC12** **DESIGN, SYNTHESIS, AND PRELIMINARY RESULTS OF BIOLOGICAL EVALUATION OF NEW BORONIC ACIDS DERIVATIVES**
PETR ŠLECHTA
- 14:00 – 14:15 **BPC13** **NOVEL QUINAZOLONES AS POTENTIAL ANTI-STAPHYLOCOCCAL AGENTS**
GHADA BOUZ

- 14:15 – 14:30 **BPC14** **DYE-FUNCTIONALIZED PEPTIDE SYNTHESIS AND THEIR INTERACTIONS WITH BETA-AMYLOID PEPTIDE**
DARIA NAWROT
- 14:30 – 14:45 **BPC15** **COMPARING DIFFERENT APPROACHES TO ERADICATE STAPHYLOCOCCAL BIOFILMS FORMED ON PIG SKIN MODEL**
ADÉLA DIEPOLTOVÁ
- 14:45 – 15:00 **BPC16** **PROTEOCHEMOMETRIC MODELLING OF SLC5 TRANSPORTERS**
MARTIN JUHÁS
- 15:00 – 15:15 **BREAK**

CHAIRPERSONS: DR. RER. NAT. MGR. ING. TOMÁŠ HODÍK, PHARMDR. PETR MATOUŠ, PH.D.

- 15:15 – 15:30 **BPC17** **SYNTHESIS OF FURAN DERIVATIVES, MICROSCALE THERMOPHORESIS, AND CRYSTALLOGRAPHIC STUDIES**
VINOD SUKANTH KUMAR PALLABOTHULA
- 15:30 – 15:45 **BPC18** **JOURNEY FROM ANTIMYCOBACTERIAL TO ANTISTAPHYLOCOCCAL ACTIVITIES – HOW TO APPROACH RATIONALLY, WHEN MECHANISM OF ACTION IS UNKNOWN**
MAREK KERDA
- 15:45 – 16:00 **BPC19** **DESIGN, SYNTHESIS, AND BIOLOGICAL EVALUATION OF NEW ANTIMICROBIAL COMPOUNDS DERIVED FROM INHIBITORS OF ASPARTATE DECARBOXYLASE**
PRIAM-AMEDEO HOUNGBEDJI
- 16:00 – 16:15 **BPC20** **SYNTHESIS OF PURINE DERIVATIVES WITH ANTIMYCOBACTERIAL ACTIVITY**
VLADIMÍR FINGER
- 16:15 – 16:30 **BPC21** **SYNTHESIS OF PYRIMIDINE DERIVATIVES WITH ANTITUBERCULAR ACTIVITY**
MARTIN KUFA
- 16:30 – 16:45 **BPC22** **SYNTHESIS OF RESVERATROL DERIVATIVES AS POTENTIAL INHIBITORS OF TOPOISOMERASE II BETA**
MAREK MACUŠ
- 16:45 – 17:00 **BPC23** **CHEMICAL SHIFT PREDICTIONS IN INTRINSICALLY DISORDERED PROTEINS: MACHINE LEARNING AND QUANTUM CALCULATIONS**
MICHAEL BAKKER
- 17:00 – 17:15 **BPC24** **ENSEMBLE BASED CALCULATION OF NMR SPIN-SPIN COUPLINGS IN PROTEINS**
AMINA GAFFOUR
- 17:15 – 17:30 **BPC25** **AGONIST AND ANTAGONIST AFFECT CONFORMATIONAL CHANGES IN THE TGR5 BINDING CAVITY**
RUDY SALAM