

### Section 3 - Bioorganic and Pharmaceutical Chemistry: 3. Feb 2026, 10:00 – 15:30, Hall A

CHAIRPERSONS: ASSOC. PROF. PHARMDR. VERONIKA NOVÁKOVÁ, PH.D., PHARMDR. PETR MATOUŠ, PH.D.

- 10:00 - 10:15 **BPC1** **SYNTHESIS OF DEXRAZOXANE ANALOGS**  
*MAREK MACUŠ*
- 10:15 - 10:30 **BPC2** **COMPUTATIONAL DESIGN OF PROLYL-TRNA SYNTHETASE INHIBITORS: LINKING VIRTUAL SCREENING HITS TO ANTIMICROBIAL ACTIVITY**  
*ANDREA BACHTÍKOVÁ*
- 10:30 - 10:45 **BPC3** **SYNTHESIS AND STUDY OF PHTHALOCYANINE HYBRIDS FORMING J-DIMERS**  
*ŠTEFAN BEDNÁRIK*
- 10:45 - 11:00 **BPC4** **ROLE OF LINOLEIC ACID IN EPIDERMAL ACYLCERAMIDES**  
*TOMÁŠ HAVRIŠÁK*
- 11:00 - 11:15 **BPC5** **ISOXAZOLE-1,3,4-OXADIAZOLE HYBRIDS: PILOT STUDY TOWARD NOVEL ANTIMYCOBACTERIAL AGENTS**  
*ENIKŐ ŠIKOROVÁ*
- 11:15 – 11:30 **BPC6** **DESIGN AND SYNTHESIS OF NOVEL OBEX INHIBITORS**  
*ELIŠKA CEJNAROVÁ*
- 11:30 – 11:45 **BPC7** **ELECTRON RICH AND POOR DENDRALENES AND THEIR UTILITY IN BIOLOGICAL SYSTEMS**  
*BARTOLOMĚJ GROBAŘ*
- 11:45 – 12:00 **BPC8** **CORNEOCYTE LIPID ENVELOPE ON ENGINEERED SURFACES: INSIGHTS INTO SKIN BARRIER LIPID ORGANIZATION**  
*PANAGIOTA VELISSARI*
- 12:00 - 13:00 **BREAK**

CHAIRPERSONS: ASSOC. PROF. DR. RUSSELL KITSON, PH.D., PHARMDR. LUKÁŠ OPÁLKA, PH.D.

- 13:00 – 13:15 **BPC9** **PROGRESS IN TOTAL SYNTHESIS OF NOSTOLACTONE 4**  
*PATRIK SEDLÁČEK*
- 13:15 – 13:30 **BPC10** **RATIONAL DESIGN AND IN-SILICO STUDIES OF NOVEL PYRAZINE-BASED FELINE MCDONOUGH SARCOMA-LIKE TYROSINE KINASE 3 INHIBITORS. OVERCOMING RESISTANCE THROUGH MOLECULAR MODELLING AND BIOISOSTERISM IN TARGETED CANCER THERAPY**  
*FRANCESCO BIDDOCCU*
- 13:30 – 13:45 **BPC11** **SELF-ASSEMBLED FLUORESCENT J-DIMERS OF PHTHALOCYANINES**  
*KHAOULA LMCHARRAG*
- 13:45 – 14:00 **BPC12** **THE DESIGN AND SYNTHESIS OF BORONIC DERIVATIVES INSPIRED BY THE NONSTEROIDAL ANTI-ANDROGEN ENZALUTAMIDE**  
*ADAM ANTHONY NEEDLE*
- 14:00 – 14:15 **BPC13** **DESIGN, SYNTHESIS, AND BIOLOGICAL EVALUATION OF SEMISYNTHETIC DERIVATIVES OF GALANTHAMINE**  
*ROOPAM SINGH*

- 14:15 – 14:30 **BPC14** **DEVELOPMENT OF NOVEL FLT3 INHIBITORS FOR THE TREATMENT OF ACUTE MYELOID LEUKEMIA**  
*DENISA ŠÁROVÁ*
- 14:30 – 14:45 **BREAK**
- 14:45 – 15:00 **BPC15** **DEVELOPMENT OF PROLYL-TRNA SYNTHETASE INHIBITORS WITH ANTIPROLIFERATIVE ACTIVITY**  
*FAHIM JOE RAHI*
- 15:00 – 15:15 **BPC16** **FLUORESCENCE QUENCHING IN METAL-FREE AZAPHTHALOCYANINES**  
*JANA LAPEŠOVÁ - ONLINE*
- 15:15 – 15:30 **BPC17** **SYNTHESIS OF LOW-SYMMETRICAL SILICA-PHTHALOCYANINES WITH AXIAL MODIFICATION FOR PHOTODYNAMIC THERAPY**  
*LEON DAVID RODRIGUES - ONLINE*