

Lecture hall A

Session 1 - Bioorganic and Pharmaceutical Chemistry: 12:30 – 17:15

Chairpersons: Prof. Danijel Kikelj, Prof. Pavel Kočovský, Prof. Petr Zimčík

- 12:30 - 12:45 **BPC1** **HOW TO NOT KILL MOSQUITO: CYSTEINE-TARGETED INSECTICIDES**
GORECKI, L., ANDRYS, R., SCHMIDT, M., KUCERA, T., PSOTKA, M., SVOBODOVA, B., HRABCOVA, V., HEPNAROVA, V., BZONEK, P., JUN, D., KUCA, K., KORABECNY, J., MUSILEK, K.
- 12:45 - 13:00 **BPC2** **CYCLIZATION REACTIONS MEDIATED BY TRANSITION METALS**
MATOUŠ, P., KADANÍK, M., MAŘÍKOVÁ, J., TIMORACKÝ, M., KUNEŠ, J., POUR, M.
- 13:00 - 13:15 **BPC3** **SYNTHESIS AND REACTIVITY OF ELECTRONICALLY TUNED [3]DENDRALENES**
ANTAL, R., BRŮŽA, Z., KRATOCHVÍL, O., POUR, M.
- 13:15 - 13:30 **BPC4** **UNUSUAL 1,3-IZOMERIZATION: PREPARATION OF POLYSUBSTITUTED PYRAN-2-ONES**
BRŮŽA, Z., KRATOCHVIL, J., HARVEY, J. N., RULÍŠEK, L., NOVÁKOVÁ, L., KUNEŠ, J., KOČOVSKÝ, P., POUR, M.
- 13:30 - 13:45 **BPC5** **PREPARATION, HPLC PURIFICATION, AND EVALUATION OF MODIFIED OLIGODEOXYNUCLEOTIDE PROBES**
KOSTELANSKY, F., HAVLINOVA, Z., MILETIN, M., ZIMCIK, P.
- 13:45 - 14:00 **BPC6** **SYNTHESIS OF 1-AMINOADAMANTANE SUBSTITUTED PHTHALOCYANINES AND STUDYING THEIR SUPRAMOLECULAR COMPLEXES WITH CUCURBITURIL**
KOČIŠČÁKOVÁ, L., ZIMČÍK, P.
- 14:00 - 14:15 **COFFEE BREAK**
- 14:15 - 14:30 **BPC7** **ANIONIC AND CATIONIC PHTHALOCYANINES FOR PHOTODYNAMIC THERAPY AND THEIR INTERACTION WITH BOVINE SERUM ALBUMIN**
KOLLAR, J., HALASKOVA M., MACHACEK, M., ZIMCIK P.
- 14:30 - 14:45 **BPC8** **SYNTHETIC AND BIOLOGICAL STUDY ON RHODANINE DERIVATIVES AND THEIR OXYGEN ISOSTERES**
KUČEROVÁ-CHLUPÁČOVÁ, M., KONEČNÁ, K., NOVOTNÁ, S., DIEPOLTOVÁ, A., DUŠKOVÁ, A., JANĎOUREK, O., KUNEŠ, J., DOLEŽAL, M.
- 14:45 - 15:00 **BPC9** **THE WAY FROM THE SYNTHESIS TO POTENTIAL CLINICAL TRIALS - FOCUSED ON CANDIDATE ANTIBACTERIAL DRUGS, CHALCONES**
KONEČNÁ, K., KUČEROVÁ-CHLUPÁČOVÁ, M., DIEPOLTOVÁ, A., TREJTNAR, F., JANĎOUREK, O., VOXOVÁ, B., DOLEŽAL, M.
- 15:00 - 15:15 **BPC10** **DESIGN AND SYNTHESIS OF CASEIN KINASE II (CK2)/ HISTONE DEACETYLASES (HDAC) DUAL INHIBITORS**
BOUZ, G., ORTIN REMON, I., DE PASCUAL-TERESA, B., RAMOS, A.
- 15:15 – 15:30 **BPC11** **DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION OF POSITIONAL DERIVATIVES OF A SERIES OF N-(PYRAZIN-2-YL)CARBOXAMIDES**
NAWROT, D., BOUZ, G., ZITKO, J., DOLEŽAL, M.,

- 15:30 – 15:45 **BPC12** **SYNTHESIS OF FREE OMEGA-HYDROXY CERAMIDES AND THEIR BEHAVIOUR IN THE STRATUM CORNEUM MODEL LIPID MEMBRANES**
SOMMEROVÁ, V., OPÁLKA, L., SVATOŠOVÁ, L., VÁVROVÁ, K.
- 15:45 – 16:00 **BREAK**
- 16:00 – 16:15 **BPC13** **SYNTHESIS OF NOVEL 2,3-DISUBSTITUTED PYRAZINES AS POTENTIAL ANTIMICROBIALS**
PALLABOTHULA, V. S. K., ZITKO, J.
- 16:15 - 16:30 **BPC14** **N-PYRAZINOYL SUBSTITUTED AMINO ACIDS AS POTENTIAL ANTIMYCOBACTERIAL AGENTS – SYNTHESIS AND BIOLOGICAL EVALUATION OF ENANTIOMERS**
JUHÁS, M., KUČEROVÁ, L., DOLEŽAL, M.
- 16:30 – 16:45 **BPC15** **SYNTHESIS OF SILICON COMPLEXES OF TETRAPYRAZINOPORPHYRAZINES**
KOLAROVA, M., MILETIN, M.
- 16:45 – 17:00 **BPC16** **(E)-2-(2-ISONICOTINOYLHYDRAZINEYLIDENE)PROPANOIC ACID DERIVATIVES AS PROMISING ANTIMYCOBACTERIAL SUBSTANCES**
PFLÉGR, V., KRÁTKÝ, M., STOLAŘÍKOVÁ, J., VINŠOVÁ, J.
- 17:00 – 17:15 **BPC17** **N-METHYLHYDRAZINE-1-CARBOXAMIDES AS POTENTIAL CHOLINESTERASES INHIBITORS**
HOUNGBEDJI, N.-H., ŠTĚPÁNKOVÁ, Š., KRÁTKÝ, M., VINŠOVÁ, J.