



FACULTY OF PHARMACY  
IN HRADEC KRÁLOVÉ  
Charles University



# Program of conference

24<sup>th</sup> and 25<sup>th</sup> January 2018

This conference is supported by the STARSS project co-funded by the European Union.  
Reg. No. CZ.02.1.01/0.0/0.0/15\_003/0000465



EUROPEAN UNION  
European Structural and Investment Funds  
Operational Programme Research,  
Development and Education



MINISTRY OF EDUCATION,  
YOUTH AND SPORTS

# Wednesday 24. January 2018

## Lecture hall A

### Joint session

Chairman: Prof. RNDr. Petr Solich, CSc.

- 8:30 - 8:45     **Conference opening - introduction**  
*Prof. PharmDr. Tomáš Šimůnek, Ph.D., Dean of the Faculty of Pharmacy*  
*Prof. Ing. Vladimír Wsól, Ph.D., Vice-Dean for Research, Doctoral Studies and Academic Qualifications*
- 8:45 - 9:45     **Preparation of manuscript that is likely to be accepted in high end journal**  
*Prof. František Švec*
- 9:45 - 10:00    Coffee break (S2155)
- 10:00 - 10:30   **Bead injection for (bio)chemical analysis**  
*Prof. Marcela Segundo, University of Porto, Portugal*
- 10:30 - 11:00   **Environmental Pollutant Sensing on a Paper-Based Microfluidic Platform**  
*Prof. Spas Kolev, University of Melbourne, Australia*

## Lecture hall A

### Session 1 - Bioorganic and Pharmaceutical chemistry

Chairman: Prof. PharmDr. Martin Doležal, Ph.D.

- 12:30 - 12:45    **PYRAZINAMIDE; NOT THE END OF THE STORY**  
*BOUZ, G., ZITKO, J., DOLEŽAL, M.*
- 12:45 - 13:00    **PREPARATION OF BENZODIAZINES WITH BRONCHODILATORY ACTIVITY**  
*BROŽOVÁ, Z. R., POUROVÁ, J., VOPRŠÁLOVA, M., ŠPULÁK, M.*
- 13:00 - 13:15    **INTRAMOLECULAR TSUJI-TROST REACTION: NEW ROUTE TO HIGHLY SUBSTITUTED PYRANONES**  
*BRŮŽA, Z., KRATOCHVÍL, J., POUR, M.*

- 13:15 - 13:30 **NEW AZAPHTHALOCYANINE DARK QUENCHER USABLE IN POLYMERASE CHAIN REACTION**  
*DEMUTH, J., KUČERA, R., ZIMČÍK, P., MILETÍN, M., NOVÁKOVÁ, V.*
- 13:30 - 13:45 **THE NOVEL LEAD CANDIDATES FOR THE TREATMENT OF ORGANOPHOSPHOROUS INTOXICATION**  
*GOECKI, L., KORABECNY, J., MALINAK, D., HEPNAROVA, V., HRABINOVA, M., SOUKUP, O., JUN, D., MUSILEK, K., KUCA, K.*
- 13:45 - 14:00 **NONTOXIC COMBRETAFURANONE ANALOGUES WITH HIGH IN VITRO ANTIBACTERIAL ACTIVITY**  
*HORKÝ, P., VORÁČOVÁ, M., SEDLÁK, D., POUR, M.*
- 14:00 - 14:15 Coffee break (S2155)
- 14:15 - 14:30 **SYNTHESIS OF NEW SULFONATED AZAPHTALOCYANINE AND ITS PHOTOPHYSICAL AND PHOTODYNAMIC PROPERTIES**  
*KOLLAR, J., JANCAROVA, A., MACHACEK, M., ZIMCIK, P.*
- 14:30 - 14:45 **RHODANINE DERIVATIVES AS POTENTIAL AGENTS IN TREATMENT OF CHRONIC DIABETIC COMPLICATIONS**  
*KUČEROVÁ-CHLUPÁČOVÁ, M., ŠOLTÉSOVÁ PRNOVÁ, M., MÁJEKOVÁ, M., ŠTEFEK, M.*
- 14:45 - 15:00 **APPROACHES TO TOTAL SYNTHESIS OF NOSTOTREBIN 6**  
*MATOUŠ P., VORÁČOVÁ M., KUNEŠ J., POUR, M.*
- 15:00 - 15:15 **FIGHTING MICROBIAL RESISTANCE – WHO IS GOING TO WIN?**  
*JANDOUREK, O., KONECNA, K.*

## Lecture hall B

### Session 2 - Pharmacognosy and Toxicology of Natural Compounds

Chairman: Doc. Ing. Lucie Cahlíková, Ph.D.

- 12:30 - 12:45 **AMARYLLIDACEAE ALKALOIDS AS POTENT GSK 3B INHIBITORS**  
*HULCOVÁ, D., BREITEROVÁ, K., HOŠŤÁLKOVÁ, A., ŠAFRATOVÁ, M., KUNEŠ, J., CAHLÍKOVÁ, L.*
- 12:45 - 13:00 **PHYTOCHEMICAL STUDY OF AMARYLLIDACEAE ALKALOIDS FROM NARCISSUS CV. CARLTON AND THEIR BIOLOGICAL ACTIVITY**  
*AL MAMUN, A., CAHLÍKOVÁ, L.*

- 13:00 - 13:15 **EXTRACTION, ISOLATION AND IDENTIFICATION OF ASTAXANTHIN ESTERS FROM MICROALGAE HAEMATOCOCCUS PLUVIALIS**  
*FÁBRYOVÁ, T., CHEEL, J., TŮMOVÁ, L.*
- 13:15 - 13:30 **ISOLATION OF AMARYLLIDACEAE ALKALOIDS FROM ZEPHYRANTHES CITRINA**  
*KOHELOVÁ E., KUNEŠ, J., CAHLÍKOVÁ, L.*
- 13:30 - 13:45 **NMR ELUCIDATION OF ALKALOIDS ISOLATED FROM MAGNOLIA × SOULANGEANA**  
*MAŘÍKOVÁ, J., HOŠŤÁLKOVÁ, A., KUNEŠ, J.*
- 13:45 - 14:00 Coffee break (S2155)
- 14:00 - 14:15 **PHYTOCHEMICAL ANALYSIS AND BIOLOGICAL ACTIVITY OF SELECTED MEDICINAL PLANTS WITH A FOCUS ON TESTING THE IMMUNOMODULATORY AND TYROSINASE ACTIVITIES**  
*VRABEC, R., TUMOVA, L.*
- 14:15 - 14:30 **COPPER CHELATION ACTIVITIES OF ISOLATED COMPOUNDS FROM SILYBUM MARIANUM - STRUCTURE–ACTIVITY RELATIONSHIP**  
*KARLÍČKOVÁ, J., TVRDÝ, V., VALENTOVÁ, K., KŘEN, V., MLADĚNKA, P.*
- 14:30 - 14:45 **ALKALOIDS OF VINCA MINOR L. AND THEIR EFFECT ON ACTIVITY OF SELECTED ENZYMES AS BENEFIT TO PROGRESS OF ALZHEIMER'S DISEASE**  
*LOČÁREK, M., KUNEŠ, J., HRABINOVÁ, M., HOŠŤÁLKOVÁ, A., CHLEBEK, J., KUČEROVÁ, J., VÍTOVCOVÁ, A., OPLETAL, L.*

## Lecture hall B

### Session 3 - Pharmaceutical Technology

Chairman: Doc. PharmDr. Zdeňka Šklubalová, Ph.D.

- 15:00 - 15:15 **MONOLAYER STUDY OF GLUCOSYLCERAMIDE-TO-CERAMIDE PROCESSING DURING SKIN BARRIER FORMATION**  
*NOVÁČKOVÁ, A., ŠVECOVÁ, B., VÁVROVÁ, K., ZBYTOVSKÁ, J.*
- 15:15 - 15:30 **SILK FIBROIN AND ITS APPLICATION IN PHARMACEUTICAL TECHNOLOGY**  
*KOŽÁK J., RABIŠKOVÁ M., LAMPRECHT, A.*
- 15:30 - 15:45 **POLYMERIC NANOPARTICLES FOR INTRACELLULAR DELIVERY**  
*KUBAČKOVÁ, J., HOLAS, O., DITTRICH, M.*
- 15:45 - 16:00 **STARLIKE POLYMERIC NANOPARTICULATE DRUG CARRIERS**  
*MARTISKA, J., SNEJDROVA, E., DRASTIK, M., DITTRICH, M.*

16:00 - 16:15 **THE COMPRESSIBILITY STUDY OF PELLETS, POWDER MICROCRYSTALLINE CELLULOSE AND THEIR MIXTURES**

*TRPĚLKOVÁ, Ž., ONDREJČEK, P., ŠKLUBALOVÁ, Z.*

16:15 - 16:30 **PRE-FORMULATION STUDIES OF LIQUISOLID SYSTEMS**

*VRANÍKOVÁ, B., SVAČINOVÁ, P., ŠKLUBALOVÁ, Z.*

**Thursday 25. January 2018**

## **Lecture hall A**

### **Session 4 - Pharmaceutical Analysis and Bioanalytical Chemistry**

Chairmen: Prof. Marcela Segundo a Prof. Spas Kolev

- 8:30 - 8:45      **UHPLC-MS/MS METHOD FOR MONITORING OF ARGININE METABOLISM IN CHRONIC WOUNDS**  
*JAVORSKÁ, L., KUJOVSKÁ KRČMOVÁ, L., HAZUKOVÁ, N., SOBOTKA, L., SOLICH, P.*
- 8:45 - 9:00      **DEVELOPMENT OF UHPLC METHOD FOR STABILITY STUDY OF OMEPRAZOLE SUSPENSIONS**  
*KUČEROVÁ, K., REISKÁ, V., KUJOVSKÁ KRČMOVÁ, L., MATYSOVÁ, L.*
- 9:00 - 9:15      **CHROMATOGRAPHIC METHOD FOR THE ASSESSMENT OF VITAMIN B1 AND B6 DERIVATIVES IN WHOLE BLOOD**  
*JENČO, J., KUJOVSKÁ KRČMOVÁ, L., SOLICHOVÁ, D., SOLICH, P.*
- 9:15 - 9:30      **MIXED-MODE STATIONARY PHASES: EFFECT OF MOBILE PHASE TYPE AND ITS IONIC STRENGTH ON SEPARATION**  
*CHRENKOVÁ, L., JAKUBEC P., SCHOEBE, S., DOUŠA, M., NOVÁKOVÁ, L.*
- 9:30 - 9:45      **ENRICHING OF PREPARED FLAT SHEET POLYSULFONE MEMBRANE FOR SEPARATION OF BIOMOLECULES WITH ANTIOXIDANT A-TOCOPHEROL AND A-LIPOIC ACID**  
*KOHLOVÁ, M., AMORIM, C., ARAÚJO, A., SOLICH, P., MONTENEGRO, C.*
- 9:45 - 10:00     **APPLICABILITY OF ULTRA-HIGH PERFORMANCE SUPERCRITICAL FLUID CHROMATOGRAPHY IN PHARMACEUTICAL QUALITY CONTROL**  
*PLACHKÁ K., NOVÁKOVÁ, L.*
- 10:00 - 10:15    Coffee break (S2155)
- 10:15 - 10:30     **NANOFIBROUS POLYMERS AS EXTRACTION SORBENTS IN A SAMPLE PREPARATION**  
*RAABOVÁ, H., HÁKOVÁ, M., CHOCHOLOUŠOVÁ HAVLÍKOVÁ, L., ŠATÍNSKÝ, D.*
- 10:30 - 10:45     **AUTOMATED CONTINUOUS IN-SYRINGE DISPERSIVE LIQUID-LIQUID EXTRACTION AND BACK-EXTRACTION FOR THE DETERMINATION OF NITROPHENOLS IN SURFACE WATER**  
*FIKAROVÁ, K., HORSTKOTTE, B., SKLENÁŘOVÁ, H.*

10:45 - 11:00 **TESTING OF ELECTROSPUN NANOFIBERS FOR ON-LINE EXTRACTION IN CHROMATOGRAPHY SYSTEMS**

*HÁKOVÁ, M., RAABOVÁ, H., CHOCHOLOUŠOVÁ HAVLÍKOVÁ, L., ŠATÍNSKÝ, D.*

11:00 - 11:15 **STUDY OF SEPARATION BEHAVIOR OF SELECTED PHENOLIC ANALYTES**

*HOLLÁ, M., SKLENÁŘOVÁ, H., ŠATÍNSKÝ, D.*

11:15 - 11:30 **DEVELOPMENT AND OPTIMIZATION OF UHPLC-MS/MS METHOD FOR ANALYSIS OF HCV ANTIVIRALS IN SAMPLES ARISED FROM CELL EXPERIMENTS**

*PAVLÍK, J., MARTINEC, O., ČERVENÝ, L., KOČOVÁ VLČKOVÁ, H., SVOBODOVÁ, P., CHRENKOVÁ, L., NOVAKOVÁ, L.*

11:30 - 11:45 **UHPLC-MS/MS STABILITY STUDY OF SOBUZOXANE AND ITS ACTIVE FORM - ICRF-154 IN BIOLOGICAL MATRICES**

*REIMEROVÁ, P., PISKÁČKOVÁ, H., JIRKOVSKÁ, A., ŠTĚRBOVÁ, P.*

Lunch break

12:45 - 13:00 **IS SUPERCRITICAL FLUID EXTRACTION USEFUL TOOL FOR EXTRACTION OF BIOACTIVE COMPOUNDS?**

*PILAŘOVÁ, V., NOVÁKOVÁ, L., ŠVEC, F.*

13:00 - 13:15 **UHPLC-MS/MS OF A NOVEL DEXRAZOXANE ANALOGUE- JAS -2 AND ITS PRODRUG**

*PISKÁČKOVÁ, H., REIMEROVÁ, P., ROH, J., KARABANOVICH, G., ŠTĚRBOVÁ-KOVAŘÍKOVÁ, P.*

13:15 - 13:30 **TESTING OF NANOFIBERS AS NOVEL SORBENTS USING SEQUENTIAL INJECTION ANALYSIS SYSTEM**

*ŠRÁMKOVÁ, I., CARBONELL ROZAS, L., JIRSÍKOVÁ, V., HORSTKOTTE, B., ŠATÍNSKÝ, D.*

13:30 - 13:45 **SEQUENTIAL INJECTION DETERMINATION OF THE HERBICIDE 2,4-DICHLOROPHENOXYACETIC ACID USING PRECONCENTRATION WITH A POLYMER INCLUSION MEMBRANE**

*ZELENÁ, L., ALMEIDA, M.I.G.S., CATTRALL, R.W., SKLENÁŘOVÁ, H., SOLICH, P., KOLEV, S.D.*

13:45 - 14:00 **CANDIDA ALBICANS METABOLOMICS AND QUORUM SENSING IN HUMAN VAGINAL SWABS USING HIGH-RESOLUTION MASS SPECTROMETRY**

*JAKUBEC, P., VLČKOVÁ, H., PILAŘOVÁ, V., BUCHTA, V., NOVÁKOVÁ, L.*

14:00 - 14:15 **DEVELOPMENT OF CAPILLARY ELECTROPHORESIS METHOD FOR THE CHARACTERIZATION OF PHARMACEUTICALS CONTAINING SILYMARIN COMPLEX**

*RIASOVÁ, P., JÁČ, P., POLÁŠEK, M.*

14:15 - 14:30 **UHPLC-MS/MS ANALYSIS OF ANTIVIRAL AGENT SOFOSBUVIR FOR STUDY OF ITS TRANSPORT MECHANISM**

*SVOBODOVÁ, P., SYŘÍNEK, J. E., ŠEMLEJ, T., MARTINEC, O., PAVLÍK, J., KOČOVÁ VLČKOVÁ, H., SOLICH, P., NOVÁKOVÁ, L.*

14:30 - 15:00 Coffee break (S2155)

## Lecture hall A

### Session 5 - Pathobiochemistry and Xenobiochemistry

Chairman: Prof. Ing. Barbora Szotáková, Ph.D.

15:00 - 15:15 **GPXS, MICRORNA AND OBESITY ASSOCIATION**

*HANOUSKOVÁ, B., MATOUŠKOVÁ, P.*

15:15 - 15:30 **ACUTE TOXICITY OF R-PULEGONE AND R-MENTHOFURAN IN HUMAN LIVER SLICES**

*ZÁRYBNICKÝ, T., LANCOŠOVÁ, B., ŠUBRT, Z., BOUŠOVÁ, I., SKÁLOVÁ, L.*

15:30 - 15:45 **IN VITRO STUDY OF DEXRAZOXANE ANALOG JAS 2 AND ITS WATER-SOLUBLE PRODRUGS**

*JANSOVA, H., JIRKOVSKA, A., KARABANOVICH, G., ROH, J., SIMUNEK, T.*

15:45 - 16:00 **ROLE OF HEXOSE-6-PHOSPHATE IN PROLIFERATION AND MIGRATION OF CANCER CELLS**

*NAVRATILOVA, H., TSACHAKI, M., ODERMATT, A.*

16:00 - 16:15 **EVALUATION OF DRUG UPTAKE AND DEACTIVATION IN PLANT**

*RAISOVÁ STUHLÍKOVÁ, L., PODLIPNÁ, R., SZOTÁKOVÁ, B., SKÁLOVÁ, L.*

## Lecture hall B

### Session 6 - Pharmacology and Toxicology

Chairmen: Prof. PharmDr. František Štaud, Ph.D. a Doc. PharmDr. Přemysl Mladěnka, Ph.D.

8:30 - 8:45 **OXYSTEROLS AFFECT ENDOGLIN EXPRESSION, INFLAMMATION AND DEVELOPMENT OF ENDOTHELIAL DYSFUNCTION IN HUMAN AORTIC ENDOTHELIAL CELLS**

*VICEN, M., HAVELEK, R., DOLEZELOVA, E., PRASNICKA, A., VITVEROVA, B., NACHTIGAL, P.*

8:45 - 9:00 **HIGH SOLUBLE ENDOGLIN LEVELS ACCOMPANIED BY MILD HYPERCHOLESTEROLEMIA AGGRAVATE ENDOTHELIAL DYSFUNCTION IN MOUSE AORTA**

*VITVEROVA, B., BLAZICKOVA, K., NAJMANOVA, I., VICEN, M., PERICACHO, M., NACHTIGAL, P.*



- 9:00 - 9:15      **PHARMACOKINETIC INTERACTIONS OF NOVEL ANTICANCER DRUGS WITH ABC DRUG EFFLUX TRANSPORTERS AND CYTOCHROMES P450**  
*VAGIANNIS, D., HOFMAN, J., ČEČKOVÁ, M., ŠTAUD, F.*
- 9:15 - 9:30      **THE IN VITRO AND EX VIVO TESTING OF ANTIVIRAL DRUGS EFFECT ON RHODAMINE123 INTESTINAL ABSORPTION**  
*MARTINEC, O., ČERVENÝ, L., VOKŘÁL, I., ŠTAUD, F.*
- 9:30 - 9:45      **ENTECAVIR TRANSPORT ACROSS PLACENTA AND THE ROLE OF NUCLEOSIDE TRANSPORTERS**  
*KARBANOVA, S., ČERVENÝ, L., ŠTAUD, F.*
- 9:45 - 10:00      Coffee break (S2155)
- 10:00 - 10:15      **THE INHIBITORY EFFECT OF ANTIRETROVIRAL DRUGS ON THE TRANSPORT OF L-CARNITINE IN HUMAN PLACENTA**  
*KARAHODA, R., ČEČKOVÁ, M., ŠTAUD, F.*
- 10:15 - 10:30      **NUCLEOSIDE TRANSPORTERS; ROLE IN PHARMACOKINETICS AND MECHANISMS OF REGULATION**  
*JIRASKOVA, L., CERVENY, L., KARBANOVA, S., RYSKA, A., HORNYCHOVA, H, CECKA, F, TEBBENS, E.J.D., CECKOVA, M., PTACKOVA, Z., KARAHODA, R., STAUD, F.*
- 10:30 - 10:45      **RADIOLABELED MONOCLONAL ANTIBODY RAMUCIRUMAB: IN VITRO AND IN VIVO BINDING TO THE TARGET**  
*JANOUSĚK, J., BÁRTA, P., TREJTNAR, F.*
- 10:45 - 11:00      **INVOLVEMENT OF FARNESOID X RECEPTOR IN NOVEL HUMAN CELLULAR MODEL OF STEATOHEPATITIS**  
*HORVATOVA, A., GERBAL-CHALOIN, S., PAVEK, P.*
- 11:00 - 11:15      **ASSESSMENT OF THE STOICHIOMETRY OF IRON AND COPPER WITH DEHYDROSILYBIN A AND B**  
*CATAPANO, M.C., VALENTOVÁ, K., KŘEN, V., RAWLIK T.,MLADĚNKA, P.*
- 11:15 - 11:30      **THE INFLUENCE OF FLAVONOIDS METABOLITES ON PLATELET AGGREGATION**  
*APPLOVÁ, L., KARLÍČKOVÁ, J., TVRDÝ, V., MLADĚNKA, P.*
- 11:30 - 11:45      **INTERGENDER DIFFERENCES IN THE VASOACTIVE EFFECT OF SELECTED ISOFLAVONOIDS AND THE THEIR COLONIC METABOLITES**  
*MIGKOS, T., VOPRŠALOVÁ, M., POUROVÁ, J., NAJMANOVÁ, I., HORKÝ, P., POUR, M., MLADĚNKA, P.*

## Lunch break

- 12:45 - 13:00 **INVOLVEMENT OF DRUG TRANSPORTERS IN MARAVIROC TRANSPORT ACROSS PLACENTAL BARRIER**  
*TUPOVA, L., HIRSCHMUGL, B., PILAROVA, V., CAPKOVA MAXOVA, E., NOVAKOVA, L., WADSACK, C., STAUD, F., CECKOVA, M.*
- 13:00 - 13:15 **OVERCOMING DAUNORUBICIN RESISTANCE VIA ABCC1 AND AKR1C3 INHIBITION BY CYCLIN-DEPENDENT KINASE INHIBITORS**  
*SORF, A., NOVOTNA, E., HOFMAN J., STAUD, F, WSOL, V., CECKOVA, M.*
- 13:15 - 13:30 **NOVEL RAPID BUT PRECISE SPECTROPHOTOMETRIC SCREENING METHOD FOR DETERMINATION OF ZINC CHELATION**  
*TVRDY, V., CATAPANO, M.C., KARLICKOVA, J., MLADENKA, P.*
- 13:30 - 13:45 **CONSTITUTIVE ANDROSTANE RECEPTOR IN THE REGULATION OF XENOBIOTIC METABOLISM**  
*DUŠEK, J., HORVÁTOVÁ, A., ŠKODA, J., SMUTNÝ, T., PÁVEK, P.*
- 13:45 - 14:00 **ASPECTS OF POST-TRANSCRIPTIONAL REGULATION OF PREGNANE X RECEPTOR**  
*SMUTNÝ, T., PÁVEK, P.*
- 14:00 - 14:15 **INTERACTIONS OF ANTIRETROVIRALS WITH DRUG TRANSPORTERS; ROLE IN THE PHARMACOKINETICS**  
*REZNICEK, J., CECKOVA, M., STAUD, F.*
- 14:15 - 14:45 Coffee break (S2155)

## Lecture hall B

### Session 7 - Clinical and Social Pharmacy

Chairmen: Prof. PharmDr. Jiří Vlček, Ph.D. a PharmDr. Daniela Fialová, PhD.

- 14:45 - 15:00 **COLD, BUT RISING STAR OF VALUE ADDED MEDICINES IN EUROPE**  
*RÖDER, J., DOHNAL, F., KOSTŘIBA, J.*
- 15:00 - 15:15 **THE BIOIMPEDANCE SPECTROSCOPY APPLICATION IN PREGNANT WOMEN WITH PRETERM PREMATURE RUPTURE OF MEMBRANES**  
*JOSKOVA, V., PATKOVA, A., GREGOR, M., KACEROVSKY, M., HRONEK, M.*

- 15:15 - 15:30 **ADJUSTMENTS IN ENERGY EXPENDITURE AND SUBSTRATE OXIDATION DURING PREGNANCY**  
*PATKOVA, A., JOSKOVA, V., ZADAK, Z., KACEROVSKY, M., HRONEK, M.*
- 15:30 - 15:45 **POTENTIALLY INAPPROPRIATE MEDICATION USE IN NURSING HOME RESIDENTS IN THE CZECH REPUBLIC: RESULTS FROM THE EU SHELTER PROJECT**  
*PŘÍHODOVÁ, V., GREŠÁKOVÁ, S., FIALOVÁ, D.*
- 15:45 - 16:00 **DRUG UTILIZATION STUDY OF ANTICOAGULANTS**  
*DVOŘÁČKOVÁ, S., ZIMČÍKOVÁ, E., MALÁ-LÁDOVÁ, K., MALÝ, J., PENKA, M., KOLÁŘ, J.*
- 16:00 - 16:15 **ANALYSIS OF FACTORS INFLUENCING THE RISK OF FALLS – PILOT RESULTS**  
*VOSÁTKA, J., MALÝ, J., DOSEDĚL, M., BRABCOVÁ, I., HAJDUCHOVÁ, H., BÁRTLOVÁ, S., KUBĚNA, A., KOLÁŘ, J., VLČEK, J., TÓTHOVÁ, V.*
- 16:15 - 16:30 **POTENTIALLY INAPPROPRIATE MEDICATION USE („PIM“ USE) IN OLDER PATIENTS IN A TERTIARY CARE TEACHING HOSPITAL IN SOUTH INDIA: PREVALENCE AND RISK FACTORS**  
*BANDARI, D.K., FIALOVA, D., BHAGAVATHULA, A.*
- 16:30 - 16:45 **KNOWLEDGE OF DIFFERENT PHARMACY PROGRAM STUDENTS ON RATIONAL GERIATRIC PHARMACOTHERAPY**  
*BHAGAVATHULA, A., BANDARI, D. K., FIALOVA, D.*
- 16:45 - 17:00 **CARDIOVASCULAR COMORBIDITIES AND RISK FACTORS IN ACCORDANCE WITH PHARMACOGENETIC OF METHOTREXATE IN RHEUMATOID ARTHRITIS PATIENTS – PRELIMINARY DATA**  
*HLOCH, K., DOSEDĚL, M., SOUKUP, T., ŽALOUKOVÁ, L., PÁVEK, P.*
- 17:00 - 17:15 **PREVALENCE OF DIETARY SUPPLEMENT USE IN PATIENTS IN PRE-OPERATIVE PERIOD**  
*STRAZNICKA, J., FALTYSOVA, A., POKLADNIKOVA, J., JAHODAR, L.*