

Section 3 - Pharmaceutical Technology: 1. Feb. 2023, 10:00 – 14:15

CHAIRPERSONS: ASSOC. PROF. ZDEŇKA ŠKLUBALOVÁ, PHARMDR. PETRA SVAČINOVÁ, PH.D.,
MGR. MONIKA SMÉKALOVÁ, PH.D.

- 10:00 – 10:15 **PT1** **THE ROLE OF THE LOW-TEMPERATURE PHASE TRANSITION IN HUMAN SKIN BARRIER LIPIDS ASSEMBLY AND PERMEABILITY**
PAVLA JANČÁLKOVÁ
- 10:15 – 10:30 **PT2** **COMPARISON OF THE LIQUISOLID TECHNIQUE AND CO-MILLING FOR LOADING OF A POORLY SOLUBLE DRUG IN INORGANIC POROUS EXCIPIENTS**
CHIAZOR UGO OGADAH
- 10:30 – 10:45 **PT3** **PLGA NANOPARTICLES FOR THE LOCAL TREATMENT OF JOINT REPLACEMENT INFECTIONS**
VLADISLAV FROLOV
- 10:45 – 11:00 **PT4** **THE ANALYSIS OF LUBRICANTS' EFFECT ON THE WALL FRICTION ANGLE OF POWDER AND THE EJECTION FORCE OF TABLETS**
SEBASTIEN BAILEY
- 11:00 – 11:15 **PT5** **CORTICOSTEROID-LOADED PLGA NANOSPHERES FOR TREATMENT OF CHRONIC INFLAMMATION**
BARBORA BOLTNAROVÁ
- 11:15 – 11:30 **PT6** **GLYCEROL AND ITS INTERACTION WITH SKIN LIPIDS IN *IN VITRO* MODELS**
IRENE SAGRAFENA
- 11:30 – 11:45 **PT7** **COMPARISON OF MELOXICAM COPROCESSED MIXTURES SPRAY DRIED FROM WATER OR ETHANOL**
TEREZA VAŘILOVÁ
- 11:45 – 12:00 **PT8** **TOWARDS THE RATIONAL DESIGN OF INTRANASAL MUCOADHESIVE FORMULATIONS.**
SETH ASAMOAH
- 12:00 – 13:00 **BREAK**
- 13:00 – 13:15 **PT9** **FORMULATION AND EVALUATION OF ORODISPERSIBLE TABLETS CONTAINING CAPTOPRIL, TRAMADOL, AND DOMPERIDONE IN COMBINATION WITH CO-PROCESSED EXCIPIENTS**
THAO TRANOVÁ
- 13:15 – 13:30 **PT10** **DEVELOPMENT OF PLGA NANOPARTICLES FOR TARGETED DELIVERY OF OBETICHOLIC ACID**
DMYTRO IEFREMENKO
- 13:30 – 13:45 **PT11** **INTRODUCTION OF AN INTRINSIC SURFACE AFFINITY RANKING OF DRUGS ON SILICA SURFACES**
ANDREAS NIEDERQUELL
- 13:45 – 14:00 **PT12** **DEVELOPMENT OF PLGA BASED FILM FORMING SYSTEMS FOR TOPICAL CBD DELIVERY**
ANDREA VĚŘÍŠ
- 14:00 – 14:15 **PT13** **OLIGONUCLEOTIDE LOADED HYBRID NANOPARTICLES FOR CHRONIC LIVER INFLAMMATION MANAGEMENT**
NANCY MRÓZKOVÁ - ONLINE