

## Section 7 - Pharmaceutical Technology: 2. Feb. 2022, 12:30 – 16:45

CHAIRPERSONS: ASSOC. PROF. ZDEŇKA ŠKLUBALOVÁ, ANNA NOVÁČKOVÁ, PH.D., ASSOC. PROF. ANDREJ KOVÁČIK

- 12:30 - 12:45 **PT1** **CORTICOSTEROID-LOADED PLGA NANOSPHERES FOR MACROPHAGES TARGETING: A TOOL FOR INFLAMMATION MANAGENT**  
*BOLTNAROVÁ*
- 12:45 - 13:00 **PT2** **IMPROVING OF MELOXICAM DISSOLUTION RATE USING SPRAY DRYING PROCESS**  
*VAŘILOVÁ*
- 13:00 – 13:15 **PT3** **SYNTHESIS AND STUDY OF AMPHIPHILIC DERIVATIVES OF HYALURONIC ACID**  
*JUHAŠČIK*
- 13:15 – 13:30 **PT4** **IMIQUIMOD IN LIPOSOME-DENDRIMER SYSTEMS: SOLUBILITY AND SKIN PERMEABILITY**  
*PANOUSOPOULOU*
- 13:30 – 13:45 **PT6** **BIODEGRADABLE SIRNA LOADED NANOPARTICLES FOR CHRONIC INFLAMMATORY DISEASES THERAPY**  
*MRÓZKOVÁ*
- 13:45 – 14:00 **BREAK**
- 14:00 – 14:15 **PT7** **DEVELOPMENT OF NANOFORMULATIONS FOR TARGETED DELIVERY OF BILE ACID DERIVATIVES**  
*IEFREMENKO*
- 14:15 – 14:30 **PT8** **SHEAR AND AVALANCHE TESTING: EVALUATION OF MELOXICAM BINARY MIXTURES FLOWABILITY**  
*BROKEŠOVÁ*
- 14:30 – 14:45 **PT9** **STUDY OF THE EFFECT OF WATER ACTIVITY ON THE KINETICS OF THEOPHYLLINE MONOHYDRATE DEHYDRATION USING A MULTIVARIATE STATISTICAL APPROACH**  
*MARUSHKA*
- 14:45 – 15:00 **PT10** **FLUIDITY IN HUMAN STRATUM CORNEUM LIPID ASSEMBLY**  
*SAGRAFENA*
- 15:00 – 15:15 **PT11** **INFLUENCE OF STEARIC ACID AND MAGNESIUM STEARATE ON FLOWABILITY AND COMPRESSIBILITY OF TABLET MIXTURE**  
*BAILEY*
- 15:15 – 15:30 **BREAK**
- 15:30 – 15:45 **PT12** **STUDY OF SURFACE ENERGETICS OF DISORDERED PHARMACEUTICAL SILICA**  
*NIEDERQUELL*
- 15:45 – 16:00 **PT13** **DEVELOPMENT OF FILM FORMING SYSTEMS BASED ON PLGA I**  
*VERIS*
- 16:15 – 16:30 **PT14** **IMPROVING THE SOLUBILITY AND DISSOLUTION RATE OF CYCLOSPORINE A BY THE LIQUISOLID TECHNIQUE**  
*OGADAH*

16:15 – 16:30 *PT15* **IS IT POSSIBLE TO 3D-PRINT ORODISPERSIBLE TABLETS USING FUSED DEPOSITION MODELING?**  
*TRANOVÁ*

16:30 – 16:45