

## PROGRAM

		<b>Friday, July 12</b>	<b>Saturday, July 13</b>
09:00	09:00	Welcome	Lucie Abelová
	09:20	Uliana Kostiv	Iuliia V. Blinova
	09:40	Andriy Kuzmyn	Svetlana Petrova
10:00	10:00	Magdalena B. Serkis	Elena Filová
	10:20	Krzysztof Rodzen	
	10:40	<i>Coffee break</i>	<i>Coffee break (Poster session)</i>
11:00	11:00	Taťana Vacková	Silvia Grama
	11:20		Marta Chylińska
	11:40	Natalia V. Avagimova	Aleksandra Ostafinska
12:00	12:00	Nikolay Kotov	Naresh Kasoju
	12:20	Michal Michalak	Ilya N. Kotelnikov
	12:40	<i>Lunch</i>	<i>Lunch</i>
13:00	13:00	Poster installation	
	13:20		
	13:40	Daniela Šmejkalová	UNESCO award
14:00	14:00		<i>Best lecture award</i>
	14:20	Olga Omelchenko	<i>Farewell</i>
	14:40	Marta Kumorek	
15:00	15:00	František Surman	
	15:20	<i>Coffee break (Poster session)</i>	
	15:40	Katarzyna Gebarowska	
16:00	16:00	Tran Duy Thanh	
	16:20	Dominika Vnuková	
	16:40	Stefan Boyadjiev	
17:00	17:00	Introduction to poster session	
	17:20		
	17:40	Poster session	
18:00	18:00		
	18:30	<i>Informal dinner (Beer and goulash)</i> Poster session (continuation)	

## LIST OF CONTRIBUTIONS

### MAIN LECTURES

- ML1** T. Vacková, M. Šlouf, M. Nevoralová, L. Kaprálková  
**MORPHOLOGY AND MECHANICAL PROPERTIES OF BLENDS WITH CYCLOOLEFINE COPOLYMER**
- ML2** D. Šmejkalová  
**RESEARCH CARRIER POSSIBILITIES IN CONTIPRO HOLDING**
- ML3** E. Filová, F. Rypáček, V. Proks, D. Kubies, L. Machová, V. Lisá, E. Brynda, T. Riedel, M. Houska, M. M. Kumorek, J. Chlupáč, E. Pamula, J. Buczynska, P. Dobrzynski, A. Shard, N.A. Bullett, L. Bačáková  
**CELL ADHESION, GROWTH, AND DIFFERENTIATION ON VARIOUS POLYMERS**

### LECTURES

- L1** U. Kostiv, D. Horák, H. Macková, A. Zhigunov  
**UPCONVERTING LANTHANIDE NANOPARTICLES: SYNTHESIS AND CHARACTERIZATION**
- L2** A. Kuzmyn, A. de los Santos, C. Rodríguez-Emmeneger, E. Brynda  
**PRESERVING NON-FOULING PROPERTIES OF POLYMER BRUSHES AFTER BIOFUNCTIONALIZATION VIA DIELS-ALDER CHEMISTRY**
- L3** M. Serkis, R. Poręba and M. Špírková  
**PREPARATION AND CHARACTERIZATION OF NOVEL WATERBORNE POLYURETHANE DISPERSIONS**
- L4** K. Rodzeń, A. Strachota  
**COPOLYMERS WITH LINEAR INORGANIC AND WITH MESOGENIC BUILDING BLOCKS**
- L5** N. Avagimova, Z. Pientka  
**TRANSPORT OF GASES IN NANOCOMPOSITE MEMBRANES**
- L6** N. Kotov, A. Šturcová, V. Raus, J. Dybal  
**FTIR SPECTROSCOPIC STUDY OF THE PLURONIC–CELLULOSE INTERACTIONS**
- L7** M. Michalak, M. Kawalec, M. Kwiecień, G. Adamus, P. Kurcok, M. Kowalczuk  
**FUNCTIONALIZED POLY(3-HYDROXYBUTYRATE) AS A POTENTIAL NEW DRUG CARRIER**

- L8** O. Omelchenko  
**THE CRUCIAL ROLE OF POLYELECTROLYTE MOLAR MASS IN THE INTERACTION WITH WATER AND POLYANILINE ASSEMBLING**
- L9** M. Kumorek, D. Kubies, M. Houska, T. Riedel, E. Filova, F. Rypáček  
**MULTILAYERED ASSEMBLIES FOR GROWTH FACTOR DELIVERY**
- L10** F. Surman, C. Rodriguez-Emmenegger, A. de los Santos Pereira, V. Šubr, M. Houska, D. Kaňková and Z. Sedláková  
**CONTROLLED RADICAL POLYMERIZATION OF HYDROXYLATED (METH)ACRYLAMIDES FOR NEW NONFOULING POLYMER BRUSHES**
- L11** K. Gebarowska, M. Musiał-Kulik, J. Kasperczyk, K. Milewski  
**BIODEGRADABLE DRUG-LOADED NANOPARTICLES FOR NEOINTIMAL HYPERPLASIA INHIBITION**
- L12** T.D. Thanh, L. Kaprálková, I. Kelnar  
**EFFECT OF GRAPHITE NANOPATELETS ON MORPHOLOGY AND PROPERTIES OF POLYAMIDE-6/ELASTOMER BLENDS**
- L13** D. Vnuková, V. Semak, P. Kasák, L. Janikovičová, I. Lacík  
**PREPARATION AND STABILITY OF CHITOSAN NANOPARTICLES**
- L14** S. Boyadjiev, J. Brus  
**SOLID-STATE NMR STUDIES OF SEGMENTAL DYNAMICS AND PACKING INTERACTIONS IN SELF-ASSEMBLED POLYMERIC COMPOSITES CONTAINING DICARBOLIDE NANOROTORS**
- L15** L. Abelová, Š. Popelka, H. Studenovská, T. Riedel, B. Dvořánková, Z. Straňák, P. Studený  
**POLYMER CARRIERS FOR CULTIVATION AND TRANSPLANTATION OF RETINAL CELLS**
- L16** I. Blinova, D. Rais, J. Pflieger  
**ENERGY TRANSFER DYNAMICS IN METALLO-SUPRAMOLECULAR POLYMERS FORMED BY SELF-ASSEMBLY OF OLIGOTHIOPHENE-BRIDGED TERPYRIDINES**
- L17** S. Petrova, P. Černoč, P. Štěpánek  
**BIODEGRADABLE AND BIOCOMPATIBLE NANOPARTICLES FOR APPLICATIONS IN BIOLOGY**
- L18** S. Grama, D. Horák  
**POLY(GLYCIDYL METHACRYLATE-*co*-ETHYLENE DIMETHACRYLATE) MICROSPHERES COATED WITH SILICA**

- L19** M. Chylińska, H. Kaczmarek  
**BIOCIDAL PLASTIC CONTAINING POLY(HYDANTOIN-METHYL-p-STYRENE) AND CHARACTERISTICS OF ITS PROPERTIES**
- L20** A. Ostafińska, I. Fortelný, M. Šlouf, T. Vacková, M. Nevoralová  
**PHASE STRUCTURE, PHASE STRUCTURE DEVELOPMENT AND PROPERTIES OF IMMISCIBLE POLYMER BLENDS**
- L21** N. Kasoju, D. Kubies, F. Rypáček  
**ANISOTROPIC POROUS POLYMER FOAMS FOR POTENTIAL GUIDED TISSUE ENGINEERING**
- L22** I. N. Kotelnikov, O. Pop-Georgievski, K. Novotná, J. Kučka, L. Bačáková, V. Proks, F. Rypáček  
**ARTIFICIAL BIODEGRADABLE MATERIALS FOR TISSUE ENGINEERING: SYNTHESIS AND BIOMIMETIC MODIFICATION**

## POSTERS

- P1** V. Patsula, D. Horák  
**MONODISPERSE SUPERPARAMAGNETIC NANOPARTICLES WITH CONTROLLED SIZE FOR BIOMEDICAL APPLICATIONS**
- P2** R. Konefał, J. Spěváček, E. Čadová  
**TRANSITION BEHAVIOUR OF AMPHIPHILIC BLOCK COPOLYMERS COMPOSED OF POLY(ETHYLENE GLYCOL) AND POLY(N-ISOPROPYLACRYLAMIDE) IN WATER STUDIED BY NMR SPECTROSCOPY**
- P3** M. Metzler, H. Kaczmarek  
**THERMAL AND SPECTROSCOPIC PROPERTIES OF POLY(ACRYLIC ACID)/SILVER NANOCOMPOSITES**
- P4** B.A. Zasońska, D. Horák, N. Boiko, R. Stoika  
**SILICA/IRON OXIDE NANO- AND MICROPARTICLES FOR CELL LABELING**
- P5** T. M. Majka, A. Leszczyńska, S. Dworakowska, K. Pielichowski  
**FLEXURAL STRENGTH OF STABILIZED POLYAMIDE-6/ MONTMORILLONITE NANOCOMPOSITES**
- P6** B. Dimzowski, I. Fortelný, M. Šlouf, D. Michálková, M. Nevoralová  
**THE EFFECT OF MATRIX CRYSTALLIZATION ON THE MORPHOLOGY OF COMPRESSION MOLDED COMPATIBILIZED POLYMER BLEN**
- P7** S. Dworakowska, T. M. Majka, F. Zaccheria, N. Ravasio, D. Bogdal  
**INFLUENCE OF RAPESEED OIL-BASED POLYOLS ON SELECTED PROPERTIES OF FLEXIBLE POLYURETHANE FOAMS**

- P8** M. Rabyk, M. Hruby, M. Vetrík, J. Kucka, A. Pospisilová, P. Štěpánek  
**GLYCOGEN-BASED MATERIALS FOR TISSUE ENGINEERING**
- P9** V. Džhabarov, I. Kmínek, D. Vyprachtický, V. Cimrová  
**LOW-BANDGAP COPOLYMERS WITH CARBAZOLE  
THIENOTHIADIAZOLE MOIETIES: SYNTHESIS AND SPECTROSCOPIC  
PROPERTIES**
- P10** A. Zahoranová, Z. Kroneková, M. Zahoran, A. Kleinová, D. Chorvát, J. Kronek  
**EFFECT OF DRYING TECHNIQUES ON  
NEW 2-OXAZOLINE-BASED HYDROGELS**
- P11** K. Gdula, K. Michalak, D. Pietras-Ożga, M. Barczak  
**ANALYSIS OF CARBON FIBERS SURFACE**
- P12** K. Michalak, K. Gdula, D. Pietras-Ożga, M. Barczak  
**AMINE-MODIFIED MESOPOROUS CARBONS – SYNTHESIS,  
CHARACTERIZATION AND PRACTICAL APPLICATION**