

Friday April. 10		
Room A		
7:30-8:30 AM	Breakfast	
Session: Bio-based Polymer I Chair: Palashpriya Das		
8:30-8:55 AM	A01: Novel Shape Memory Copolymers based on 2-(Dimethylamino)ethyl Methacrylate for Potential Biological Applications	Shaojun Chen Shenzhen University, China
8:55-9:20 AM	A02: New Strategies for Cellulose Dissolution and Derivation	Haibo Xie Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China
9:20-9:45 AM	A03: Surface-Functionalized Poly(2-Oxazoline)-Microgels with Enhanced Adhesion to Cancer Cells	Frank Wiesbrock Polymer Competence Center Leoben GmbH, Austria
9:45-10:00 AM	Session Break	
Session: General I Chair: Frank Wiesbrock		
10:00-10:25 AM	A04: Trends in Research in the Domain of Biosurfactants	Palashpriya Das Indian Institute of Chemical Biology, India
10:25-10:50 AM	A05: Biophotonics of DNA Guided Metal Complex Prismatic Rods upon Specific Recognition	Chunzhi Cui Korea University, Korea
10:50-11:15 AM	A06: Bio-inspired liquid-crystalline semiconductors having supramolecular structures	Masahiro Funahashi Kagawa University, Japan
11:15-11:40 AM	A07: Mechanism of biogenic calcium phosphate mineral manufacture and its application to radionuclide remediation	Stephanie Handley-Sidhu University of Birmingham, UK
11:40-12:05 PM	A08: Silica reinforced porous membranes for biomedical applications	Christos Pandis National Technical University of Athens, Greece
12:05-13:05 PM	Lunch Break	
Session: Bioceramic Chair: Guojiang Wan		
13:25 -13:50PM	A09: 3D printing of MBG/polymer composite scaffolds for bone tissue engineering	Yufang Zhu University of Shanghai for Science and Technology, China

13:50 -14:15 PM	A10: Mechanical Properties and Bioactivity of Natural Hydroxyapatite Composites	Nermin Demirkol Kocaeli University, Turkey
14:15 -14:40 PM	A11: Femtosecond laser induced fixation of calcium alkali phosphate ceramics on titanium alloy implant material	Joerg Krueger BAM Federal Institute for Materials Research and Testing, Germany
15:05-15:20 PM	Session Break	
Session: Bio-degradable Biomaterials Chair: Yufang Zhu		
15:20-15:45PM	A12: Ring-Opening Polymerization of Heterocycles using Organometallic Complexes: a Simple Access to Biodegradable Polymers	Christophe Thomas Chimie Paris Tech, France
15:45-16:10 PM	A13: Fabrication of functional nanofibers and their use as bone regeneration substrates	Qing Cai Beijing University of Chemical Technology, China
16:10-16:35 PM	A14: Toward the new paradigm of fully-biodegradable Magnesium bio-metals for implants application	Guojiang Wan Southwest Jiaotong University, China
16:35-17:00 PM	A15: Degradation mechanism, surface modification and biocompatibility of bio-degradable Mg-Li-Ca alloys	Rongchang Zeng Shandong University of Science and Technology, China
17:30 PM	Dinner Social	

Saturday April. 11		
Room B		
8:00-9:00 AM	Breakfast	
Session: Nanomedicine Chair: Havazelet Bianco-Peled		
9:00-9:25 AM	B01: Stimuli-sensitive nanocarriers for drug and gene delivery	Yujiang Fan Sichuan University, China
9:25-9:50 AM	B02: Novel biodegradable electrospun nanofibrous P(DLLA-CL) balloons for the treatment of vertebral compression fractures	Jian Zhong National Engineering Research Center for Nanotechnology, China
9:50-10:15 AM	B03: Electrospun medicated side-by-side nanofibers	Dengguang Yu University of Shanghai for Science and Technology, China
10:15-10:30 AM	Session Break	
Session: Bio-based Polymer II Chair: Yujiang Fan		
10:30-10:55 AM	B04: Modified polysaccharides for mucoadhesive drug delivery	Havazelet Bianco-Peled Technion- Israel Institute of Technology, Israel
10:55-11:20 AM	B05: A Viral Antigen Polymer System as a Multifunctional Vaccine Platform	Ming Tan University of Cincinnati College of medicine, USA
12:10-13:10 PM	Lunch Break	
Session: General II Chair: Pascal Jonkheijm		
14:15 -14:40 PM	B06: Complex Living Tissue Models by Microfluidic Bottom Up Tissue Engineering Approach	Yukiko Matsunaga The University of Tokyo, Japan
14:40 -15:05 PM	B07: Influence of Carbon Nanotube Surface Structure Pattern on Human Bone Marrow Cells Response	Despina Deligianni University of Patras, Greece
15:05-15:35 PM	Poster Session	
Session: Surface Modifications Chair: Yukiko Matsunaga		
15:35-16:00PM	B08: Molecularly engineering cell-material interfaces	Pascal Jonkheijm University of Twente, Netherlands
16:00-16:25 PM	B09: Non-thermal plasma for biomaterials	Pieter Cools Ghent University, Belgium

16:25-16:50 PM	B10: Plasma-based surface modification of metallic orthopedics materials and their interactions with bacteria	<p style="text-align: center;">Hongqing Feng City University of Hong Kong, Hong Kong</p>
16:50-17:15 PM	B11: Adhesion and growth of endothelial cells enabled by biomimetic oligopeptide modification of a protein repulsive surface	<p style="text-align: center;">Jana Musilkova Institute of Physiology of the Czech Academy of Sciences, Czech Republic</p>
17:30 PM	Dinner Social	

Sunday April. 12		
Room C		
7:30-8:30 AM	Breakfast	
Session: General III Chair: David A. Stout		
8:30-8:55 AM	C01:Multifunctional Calcium Phosphate Nanostructured Materials and Their Biomedical Applications	Feng Chen Shanghai Institute of Ceramics, Chinese Academy of Sciences, China
8:55-9:20 AM	C02:Ultrastructure and high resolution mapping of stiffness and electromechanical coupling in collagen fibers from wild-type and osteogenesis imperfecta murine	Kaiyang Zeng National University of Singapore, Singapore
9:20-9:45 AM	C03: Lung stem/progenitor cells differentiation and angiogenesis in a 3D-microbubble scaffold	Thai-Yen Ling National Taiwan University, Taiwan
9:45-10:10 AM	C04:Nowhere like home: characterising and deconstructing tissue microenvironment	Lam Yun Wah City University of Hong Kong, Hong Kong
10:10-10:30 AM	Session Break	
Session: General IV Chair: Feng Chen		
10:30-10:55 AM	C05:Using Bio-Inspired Materials to Investigate the Secrets of Tissue Independent Cell Migration through a Novel Chemotaxis Chamber and Traction Force Microscopy	David A. Stout Brown University, USA
10:55-11:20 AM	C06:Multiplexed detection for the single cells array	Dahai Ren Tsinghua University, China
11:20-11:45 AM	C07:Finite Elements Model of Electrospun Nonwoven Nanofibrous Fabric	Katarzyna Polak-Kraśna University of Luneburg, Germany
12:30 PM	End	

Saturday April. 11

15:05-15:35 PM

Poster Session

P1	Preparation of Ag-loaded hydroxyapatite nanofibers as novel fillers for dental restoration materials	Miao Ai Beijing University of Chemical Technology, China
P2	Enhancing the miscibility of biodegradable polyester/polyphosphazene blends	Zhaohui Huang Beijing University of Chemical Technology, China
P3	Synthesis of Nano Metal Oxides through One-pot Method and Their Application to Environmental Catalysis	Son-Ki Ihm Korea Advanced Institute of Science and Technology(KAIST), Korea
P4	The influence of plasma-treated polymer on cell growth	Marta Vandrovcova Institute of Physiology of the Czech Academy of Sciences, Czech Republic
P5	Optimal nanopattern screening for undifferentiated hESC culture	Soon Jung Park KonKuk University, Korea
P6	Instrumental modification for effective cell delivery in acute myocardial infarction	Ki Sung Hong KonKuk University, Korea