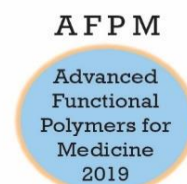


Advanced Functional Polymers For Medicine 2019

Programme



June 05th - 07th, 2019
Aalto University
Finland

Wednesday June 5th

8:00-8:45	Registration open	Dipoli
8:45-9:00	Welcome and introduction to AFPM 2019 Prof. Jukka Seppälä	Dipoli, Lumituuli
9:00-12:30	Oral Session 1: 3D manufacturing Session Chair: Jukka Seppälä	Dipoli, Lumituuli
9:00-9:30	Dr. Andre Poot University of Twente, Netherlands	<i>Preparation of micro-porous poly(trimethylene carbonate) structures by stereolithography and particle leaching</i>
9:30-10:00	Prof. Anna Finne Wistrand KTH Royal Institute of Technology, Sweden	<i>Designing Fiber based Degradable 3D porous Scaffolds suitable for Soft Tissue Engineering</i>
10:00-10:30	Prof. Ashok Kumar IIT Kanpur, India	<i>Bioengineering polymers for orthopedic and nerve regeneration applications</i>
10:30-11:00	Coffee break	
11:00-11:30	Prof. Niels Larsen Technical University of Denmark	<i>Light-Guided Micropatterning of Polymers for Organ Models</i>
11:30-12:00	Dr. Stefan Baudis TU Wien, Austria	<i>Additive Manufactured Polymer-based Biomaterials</i>
12:00-12:30	Prof. Jukka Seppälä Aalto University, Finland	<i>Poly(trimethylene carbonate) / TCP Scaffolds: 3D Printing, Bioactivity and Degradation Control</i>
12:30-14:00	Lunch and Poster Session	Dipoli
14:00-15:00	Oral Session 2: Poster pitching session Session Chairs: Bas van Bochove and Kasper Dienel 100s pitches by poster presenters	Dipoli, Lumituuli
15:00-16:00	Coffee break and Poster session	Dipoli
16:00-17:30	Oral Session 3: Delivery Applications Session Chair: Marjo Yli-Perttula	Dipoli, Lumituuli
16:00-16:30	Prof. Tina Vermonden University of Utrecht, Netherlands	<i>Nucleic Acid Delivery by Thermosensitive Polyplexes</i>
16:30-17:00	Prof. Ana Paula Pêgo University of Porto, Portugal	<i>Engineering the Future of Targeted Therapies to the Nervous System with nanoBiomaterials</i>
17:00-17:30	Prof. Nicola Tirelli IIT Genova, Italy	<i>Polysulfides as anti-oxidant and anti-inflammatory agents</i>
18:00-20:30	Espoo City reception	Haltia - The Finnish Nature Centre
18:00-18:30	Bustransport to Haltia	
18:30-20:30	Espoo city reception and visit to Haltia Nature Centre	
20:30-21:00	Bustransport back to Otaniemi and Helsinki	

Thursday June 6th

9:00-9:30	Oral Session 4 : Advanced Biomaterials for Medicine	Dipoli, Lumituuli
	Session Chair: Dirk Grijpma	
9:00-9:30	Prof. Joyce Wong Boston University, USA	<i>Biomaterials for the Early Detection and Treatment of Disease</i>
9:30-10:00	Prof. Christine Jérôme University of Liège, Belgium	<i>Non-isocyanate polyurethanes (NIPU): a green strategy towards biomaterials</i>
10:00-10:30	Prof. Benjamin Nottelet University of Montpellier, France	<i>Degradable Star Block Copolymers as Highly Versatile Architectures for Biomedical Applications</i>
10:30-11:00	Coffee break	
11:00-11:30	Prof. Andreas Lendlein Helmholtz-Zentrum Geesthacht, Germany	<i>Designing Materials with Multiple Functions with regard to structure-function as well as function-function relations</i>
11:30-12:00	Prof. Giovanni Vozi University of Pisa, Italy	<i>Fabrication and characterization of soft-molecular imprinted electrospun scaffolds for tissue regeneration applications</i>
12:00-12:30	Dr. Parvaiz Ahmad Shiekh IIT Kanpur, India	<i>Oxygen releasing and antioxidant polymeric scaffolds for tissue engineering applications</i>
12:30-14:00	Lunch and Poster Session	Dipoli
14:00-15:30	Oral Session 5: Advanced Hydrogels for Medicine	Dipoli, Lumituuli
	Session Chair: Anna Finne Wistrand	
14:00-14:30	Prof. Martin Kaltenbrunner University of Linz, Austria	<i>Soft electronic and robotic systems from resilient yet biocompatible and degradable materials</i>
14:30-15:00	Prof. Meital Zilberman Tel Aviv University, Israel	<i>Composite Gelatin-Alginate Hydrogels as Multifunctional Bioadhesive Materials</i>
15:00-15:30	Prof. Minna Kellomäki Tampere University of Technology, Finland	<i>Hydrogels and hybrid materials for cardiac and neural 3D in vitro models</i>
15:30-16:00	Coffee break	
16:00-17:00	Oral Session 6: Industrial Perspective	Dipoli, Lumituuli
	Session Chair: Minna Kellomäki	
16:00-16:30	Dr. Cécile Boudot Evonik, Germany	<i>3D Printing of Bioresorbable Polymers for Personalized Medical Implants</i>
16:30-17:00	Florian Rummel Anton Paar, Germany	<i>Tribological Model System Testing in Medical Engineering</i>
17:00->	Conference Dinner	Sipuli, Helsinki City Centre
17:00-17:30	Conference photo and walk from Dipoli to Harbor	
17:30-19:00	Boat trip to Helsinki City Centre	
19:00->	Gala dinner at Restaurant Sipuli	
	Metro goes back to Espoo until 23:21 from Helsingin yliopisto station. After that, night bus 551N goes to Otaniemi (leaves from Kamppi bus station).	

Friday June 7th

9:00-10:30	Oral Session 7 : Fibers-based Materials for Medicine	Dipoli, Lumituuli
	Session Chair: Andreas Lendlein	
9:00-9:30	Prof. Fabien Sorin EPFL Lausanne, Switzerland	<i>Multi-material Polymer Fibers for Medicine</i>
9:30-10:00	Prof. Pekka Vallittu University of Turku, Finland	<i>Fiber-Reinforced Composites for Implant Applications</i>
10:00-10:30	Dr. Shady Farah Massachusetts Institute of Technology, USA	<i>Engineering Bioactive Functional Polymers for Long-Term Therapies</i>

10:30-11:00 Coffee break

11:00-11:30	Dr. Julien Gautrot Queen Mary University London, UK	<i>The Visco-Elasticity of 2D Protein Networks – Applications for Stem Cell Expansion</i>
11:30-12:00	Prof. Marjo Yli-Perttula University of Helsinki, Finland	<i>Clinical investigation of the suitability of wood based nanofibrillar cellulose for skin graft donor site treatment</i>

12:00-12:30 Poster Award and Closing Remarks

12:30-14:00 Lunch

Afternoon program for those who have enrolled for the Finnish experience

14:00-16:00	Extended program Finnish Forrest Chemistry
18:00-20:00	Löyly Helsinki - Finnish Sauna Experience Bus 14 Leaves from Kamppi bus station. Stop Henry Fordin Katu is right next to Löyly.
20:00-.....	Experience Helsinki City Centre