

MacroBEGE - Belgian-German (Macro)Molecular Meeting

Programme

Monday December 3, 2012

09:00 **Registration and Welcome Coffee**

10:30 **Welcome of the participants**

Session 1

Session Chairman

Dr Raphael RIVA
(ULG, Liège, Belgium)

10:40 **Functional Responsive Nanoreactors**

Prof. Dr Rachel O'REILLY
(THE UNIVERSITY OF WARWICK, Warwick, United Kingdom)

11:20 **New Coppertunities: Autocatalyzed Crosslinking for Next-Generation Oled-Design**

Mr Daniel VOLZ
(KARLSRUHE INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)

11:40 **A Thiolactone Approach to Extend the Realm of Thiol-Click Chemistries in Polymer Science**

Ms Fabienne GOETHALS
(UGENT, Gent, Belgium)

12:00 **Continuous-Flow Microreactor Technology for the Synthesis of Functional Polymers**

Dr Joke VANDENBERGH
(UHASSELT, Diepenbeek, Belgium)

12:30 **Lunch and Exhibition**

Session 2

Session Chairman

Dr Pieter ESPEEL
(GHENT UNIVERSITY, Ghent, Belgium)

13:20 **Furan Moieties as Trojan Horses for Crosslinking, Labeling and Conjugation of Biomacromolecules**

Prof. Annemieke MADDER
(UGENT, Ghent, Belgium)

14:00 **Self-Folding of Single-Chain Polymers: Towards Synthetic Biomacromolecule Design**

Dr Ozcan ALTINTAS
(KARLSRUHE INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)

14:20 **Single-Chain Polymeric Nanoparticles: From Design to Function**

Mr Patrick STALS
(EINDHOVEN UNIVERSITY OF TECHNOLOGY, Eindhoven, The Netherlands)

14:40 **Water-Soluble Polypeptoids**

Mr Joshua ROBINSON
(MAX-PLANCK INSTITUTE OF COLLOIDS AND INTERFACES, Potsdam, Germany)

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15:00 Precision Polypeptides Derived From Native Proteins for Biomedical Applications

Ms Wu YUZHOU
(UNIVERSITY OF ULM, Ulm, Germany)

15:20 Coffee Break, Poster Session I and Exhibition

Session 3

Session Chairman

Dr Hatice MUTLU
(KARLSRUHE INSTITUTE OF TECHNOLOGY, Eggenstein-Leopoldshafen, Germany)

17:20 Tailor-Made Degradable Copolymers for the Design of Advanced Drug Delivery Systems

Dr Raphael RIVA
(ULG, Liège, Belgium)

17:40 Castor Oil as Starting Material for the Synthesis of Renewable Semi-Crystalline Polyesters and Poly(ester-Amide)s

Mr Thomas LEBARBÉ
(UNIVERSITY BORDEAUX 1, Pessac, France)

18:00 Switchable Polymer Systems for Emerging Applications

Dr Friedrich Georg SCHMIDT
(EVONIK INDUSTRIES AG, Marl, Germany)

18:30 Round table discussion (guided by moderator) with selection of academics and industrials, in close interaction with all participants

20:00 Conference Dinner

21:30 MacroBeGe Party

The bar will be open (charged drinks) and a DJ will be playing music until late!

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Tuesday December 4, 2012

Session 4

Session Chairman

Dr Laetitia MESPOUILLE
(UMONS, Mons, Belgium)

09:00 Combating Diseases with Peptide – Synthetic Polymer Conjugates

Prof. Dr Harm-Anton KLOK
(ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, Lausanne, Switzerland)

09:40 Poly(Lactic Acid)-Graft-Poly(Ethylene Glycol) Copolymers for Bone-Grafting Applications

Ms Dorothee BORCHMANN
(NEW YORK UNIVERSITY, New York, NY, United States)

10:00 Two Efficient Polymer-Polymer Conjugation Tools for the Post-Polymerization Modification of Acrylate Terminated Polymers

Mr Matthias WINKLER
(KARLSRUHE INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)

10:20 Thiol-Yne Chemistry Enabling the Preparation of Structurally Perfect Linear and Hyperbranched Polyvinylsulfides

Mr Robert PÖTZSCH
(LEIBNIZ-INSTITUT FÜR POLYMERFORSCHUNG DRESDEN E.V., Dresden, Germany)

10:40 Alkyne-Functionalized Wood Cellulose Fibers as Versatile Environment Friendly Precursors Toward Novel Functional Biomaterials

Mr Gino MANGIANTE
(IMP@INSA, VILLEURBANNE, France)

11:00 Design of pH-Responsive Polymers and Polymersomes as Potential Cancer Vaccine Delivery Systems

Dr Anja CAR
(UNIVERSITY BASEL, Basel, Switzerland)

11:20 Coffee Break, Poster Session II and Exhibition

12:10 Lunch

Session 5

Session Chairman

Dr Guillaume DELAITTRE
(KARLSRUHE INSTITUTE OF TECHNOLOGY, Eggenstein-Leopoldshafen, Germany)

13:00 Robust, Efficient and Orthogonal Chemistries for the Synthesis and Functionalization of Bio-based Polymers

Prof. Dr Eric DROCKENMULLER
(UNIVERSITÉ CLAUDE BERNARD LYON 1, Villeurbanne, France)

13:40 Photocleable Block Copolymers as Precursors of Responsive Nanocapsules

Dr Olivier BERTRAND
(UCL, Louvain-la-Neuve, Belgium)

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- 14:00** **Preparation of Amphiphilic Polymer Networks with Tuneable Swelling and Mechanical Properties by the Mean of efficient Coupling Reactions**
Dr Laetitia MESPOUILLE
(UMONS, Mons, Belgium)
- 14:20** **Smart Polymer Surfaces by External Stimulated Responsive Switching of Amphiphilic Block Copolymers**
Mrs. Daniela HELD
(PSS, Mainz, Germany)
- 14:40** **Functional Polymersomes Via Kinetic Control and Modular Approaches**
Prof. Dr Jan C.M. VAN HEST
(Radboud University Nijmegen, Nijmegen, The Netherlands)
- 15:20** **Awards for Oral and Poster Presentations and Closing Ceremony**