

15th International Symposium on Ionic Polymerization (IP'24)

Programme

Sunday September 1, 2024

15:00 **Registration**

16:30 **Opening Ceremony**

16:45 **Inside Block Copolymer Micelles - a Journey of Crosslinking Strategies and Along Interfacial Boundaries (IL01)**

Prof. Felix SCHACHER
(UNIVERSITY OF JENA, Jena, Germany)

17:15 **Kraton Polymers: From Polymer Design to Application (IL02)**

Dr Marianne STOL
(KRATON, Amsterdam, The Netherlands)

17:45 **Synthesis of Functional Polyisobutylenes: from Lewis Acids-mediated to Visible Light-Induced Cationic Polymerization of Isobutylene (IL03)**

Prof. Sergei KOSTJUK
(RESEARCH INSTITUTE FOR PHYSICAL CHEMICAL PROBLEMS OF THE BELARUSIAN STATE UNIVERSITY,
Minsk, Belarus)

18:15 **Welcome Reception**

19:45 **End of the day**

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Monday September 2, 2024

08:30 Registration

09:00 One-Step Synthesis of Multiblock Copolymers Using Alkali Metal Carboxylate Catalyst (PL01)

Prof. Toshifumi SATOH
(HOKKAIDO UNIVERSITY, Hokkaido, Japan)

09:45 The development of User-Friendly Ionic Polymerizations (IL04)

Prof. Brett FORS
(CORNELL UNIVERSITY, Ithaca, United States)

10:15 Coffee Break & Exhibition

Session Oral Communications - Room 1

10:45 Oral Communication 1

11:05 Oral Communication 2

11:25 Oral Communication 3

Session Oral Communications - Room 2

10:45 Oral Communication 4

11:05 Oral Communication 5

11:25 Oral Communication 6

11:45 Cationic Copolymerization of Vinyl Monomers and Cyclic Monomers for Sequence Control, Degradable Polymers, and Polymer Synthesis from Nonhomopolymerizable Monomers (IL05)

Dr Arihiro KANAZAWA
(OSAKA UNIVERSITY, Osaka, Japan)

12:15 Lunch & Exhibition

13:45 Macromolecular Nucleic Acid Delivery Vehicles via Parallel Experiment and Computation (PL02)

Prof. Theresa REINEKE
(UNIVERSITY OF MINNESOTA, Minneapolis, United States)

14:30 Anionic Polymerisation of Dienes Using Flow Chemistry and in Line Monitoring (IL06)

Prof. David HADDLETON
(UNIVERSITY OF WARWICK, Coventry, United Kingdom)

15:00 Sequence Control by Anionic Polymerization (IL07)

Prof. Takashi ISHIZONE
(TOKYO INSTITUTE OF TECHNOLOGY, Tokyo, Japan)

15:30 Coffee Break & Exhibition

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- 16:00** **Poly(2-oxazoline)s and Poly(2-oxazine)s: Synthesis of Amphiphilic Gradient and Block Copolymers and some of their Applications (IL08)**
Prof. Robert LUXENHOFER
(UNIVERSITY OF HELSINKI, Helsinki, Finland)
- 16:30** **From Metallic Gyroid Structures to Piezoelectric Nanoporous Networks (IL09)**
Prof. Katja LOOS
(UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)
- 17:00** **Toward Precision Chain Editing of Macromolecules (IL10)**
Prof. Junpo HE
(FUDAN UNIVERSITY, Shanghai, China)
- 17:30** **AROMA – Anionic Ring-Opening Monomer Addition of Allyl Glycidyl Ether (IL11)**
Prof. Patrick THEATO
(KIT-KARLSRUHE INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)
- 18:00** **Poster Session I (Odd)**
- 19:30** **End of the day**

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Tuesday September 3, 2024

- 08:30 Cationic Ring Opening (co)Polymerization of 2-Oxazolines and 2-Oxazines (PL03)**
Prof. Richard HOOGENBOOM
(UGENT, Ghent, Belgium)
- 09:15 Organocatalyzed Group Transfer Polymerization-Induced Self-Assembly and Stereoselective Ring-Opening Polymerization (IL12)**
Prof. Daniel TATON
(UNIVERSITY OF BORDEAUX, Pessac, France)
- 09:45 Utilising Group Transfer Polymerisation (GTP) to Design Polymeric Materials (IL13)**
Prof. Theoni GEORGIOU
(IMPERIAL COLLEGE OF LONDON, London, United Kingdom)
- 10:15 Coffee Break & Exhibition**
- Session Oral Communications - Room 1**
- 10:45 Oral Communication 7**
- 11:05 Oral Communication 8**
- 11:25 Oral Communication 9**
- Session Oral Communications - Room 2**
- 10:45 Oral Communication 10**
- 11:05 Oral Communication 11**
- 11:25 Oral Communication 12**
- 11:45 Synthesis of End-Functionalized Poly(ethylene glycol) Streamlined By Chemoselective Organocatalysis (IL14)**
Prof. Junpeng ZHAO
(SOUTH CHINA UNIVERSITY OF TECHNOLOGY, Guangzhou, China)
- 12:15 Lunch & Exhibition**
- 12:15 IP Committee Meeting**
- 13:45 Structure-Activity-Selectivity Relationships in Controlled Polymerization Catalysis Using Renewable Resources (PL04)**
Prof. Charlotte WILLIAMS
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)
- 14:30 Implementing Ionic Polymerizations in 3D Printing, Importance of Proper Photo Base Design (IL15)**
Dr Haritz SARDON
(UPV/EHU - POLYMAT, San Sebastián, Spain)

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- 15:00 Stereoselective Ring-Opening Polymerization of rac-Lactide Catalyzed by a Chiral Bifunctional Superbase (IL16)**
Prof. Byeong-Su KIM
(YONSEI UNIVERSITY, Seoul, Korea, South)
- 15:30 Coffee Break & Exhibition**
- 16:00 New Monomers, New Structures and New Mechanisms in Carbanionic Polymerization (IL17)**
Dr Hongwei MA
(DALIAN UNIVERSITY OF TECHNOLOGY, Dalian, China)
- 16:30 Cationic Copolymerization of Vinyl Ethers with 2,3-Dihydrofuran (IL18)**
Prof. Priyadarsi DE
(INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA, West Bengal, India)
- 17:00 Speaker to be announced**
- 17:30 Polymerization of Bio-Sourced Monomers (IL20)**
Prof. Helmut SCHLAAD
(UNIVERSITY OF POTSDAM, Potsdam, Germany)
- 18:00 Poster Session II (Even)**
- 19:30 End of the day**

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Wednesday September 4, 2024

08:30 CO₂-Based Copolymers as Alternatives to Petroleum-Derived Thermoplastics (PL05)

Prof. Yves GNANOU
(KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY (KAUST), Jeddah, Saudi Arabia)

09:15 Alternating Anionic Ring-Opening Polymerization of Thiolactones and Epoxides/Cyclocarbonates (IL21)

Dr Nicolas ILLY
(SORBONNE UNIVERSITY, Paris, France)

09:45 Polyoxazoline Synthesis for Gene Delivery Applications (IL22)

Prof. Philippe GUÉGAN
(SORBONNE UNIVERSITY, Paris, France)

10:15 Coffee Break & Exhibition

Session Oral Communications - Room 1

10:45 Oral Communication 13

11:05 Oral Communication 14

11:25 Oral Communication 15

Session Oral Communications - Room 2

10:45 Oral Communication 16

11:05 Oral Communication 17

11:25 Oral Communication 18

11:45 Dual Catalysis in Atom Transfer Radical Polymerization (PL06)

Prof. Krzysztof MATYJASZEWSKI
(CARNEGIE MELLON UNIVERSITY, Pittsburgh, United States)

12:30 Packed lunch

13:00 Excursions

19:30 Conference Dinner

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Thursday September 5, 2024

08:30 Living Polymerization of Glycolide. A long-standing challenge (PL07)

Prof. Nikos HADJICHRISTIDIS
(KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY (KAUST), Jeddah, Saudi Arabia)

09:15 Well-Defined Copolymers for Nanopatterning Applications (IL23)

Prof. Apostolos AVGEROPOULOS
(UNIVERSITY OF IOANNINA, Ioannina, Greece)

09:45 Tailoring the Structure of Polyphosphoesters Towards Biodegradable Elastomers (IL24)

Prof. Christine JEROME
(ULIÈGE, Liege, Belgium)

10:15 Coffee Break & Exhibition

Session Oral Communications - Room 1

10:45 Oral Communication 19

11:05 Oral Communication 20

Session Oral Communications - Room 2

10:45 Oral Communication 21

11:05 Oral Communication 22

11:25 Synergistic Developments of Living Ionic and Radical Polymerizations via Reversible Activation of Dormant Species (PL08)

Prof. Masami KAMIGAITO
(NAGOYA UNIVERSITY, Nagoya, Japan)

12:10 Lunch & Exhibition

13:45 Chiral Diborane Catalysts for the Preparation of Isotactic Polyethers (IL25)

Dr Stefan NAUMANN
(UNIVERSITY OF FREIBURG, Freiburg, Germany)

14:15 Stimuli-Responsive Polymer Architectures as Optical Sensing Materials and Smart Membranes (IL26)

Prof. Markus GALLEI
(SAARLAND UNIVERSITY, Saarbrücken, Germany)

14:45 Anionic Ring-Opening Copolymerization to Novel Gradient and Random Biobased or Biodegradable Copolymers (PL09)

Prof. Frederik WURM
(UNIVERSITY OF TWENTE, Enschede, The Netherlands)

15:30 Closing Remarks, Oral Communication & Poster Prizes

16:00 Farewell Coffee Break