

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

## Programme

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### Sunday September 1, 2024

**Registration**

**Opening Ceremony**

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

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

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

Dr Marianne STOL  
(KRATON, Amsterdam, The Netherlands)

**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)

**Welcome Reception**

**End of the day**

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### Monday September 2, 2024

#### Registration

#### **One-Step Synthesis of Multiblock Copolymers Using Alkali Metal Carboxylate Catalyst (PL01)**

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

#### **Title of talk to be announced (IL04)**

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

#### Coffee Break & Exhibition

#### Session Oral Communications - Room 1

10:45 Oral Communication 1

11:00 Oral Communication 2

11:25 Oral Communication 3

#### Session Oral Communications - Room 2

10:45 Oral Communication 4

11:00 Oral Communication 5

11:25 Oral Communication 6

#### **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)

#### Lunch & Exhibition

#### **Title of talk to be announced (PL02)**

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

#### **Anionic Polymerisation of Dienes Using Flow Chemistry and in Line Monitoring (IL06)**

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

#### **Sequence Control by Anionic Polymerization (IL07)**

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

#### Coffee Break & Exhibition

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### **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)

### **From Metallic Gyroid Structures to Piezoelectric Nanoporous Networks (IL09)**

Prof. Katja LOOS  
(UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)

### **Toward Precision Chain Editing of Macromolecules (IL10)**

Prof. Junpo HE  
(FUDAN UNIVERSITY, Shanghai, China)

### **AROMA – Anionic Ring-Opening Monomer Addition of Allyl Glycidyl Ether (IL11)**

Prof. Patrick THEATO  
(KIT-KARLSRUHE INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)

### **Poster Session I (Odd)**

**End of the day**

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### Tuesday September 3, 2024

#### **Cationic Ring Opening (co)Polymerization of 2-Oxazolines and 2-Oxazines (PL03)**

Prof. Richard HOOGENBOOM  
(GHENT UNIVERSITY, Ghent, Belgium)

#### **Utilising Group Transfer Polymerisation (GTP) to Design Polymeric Materials (IL13)**

Prof. Theoni GEORGIOU  
(IMPERIAL COLLEGE OF LONDON, London, United Kingdom)

#### **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

#### **Synthesis of End-Functionalized Poly(ethylene glycol) Streamlined By Chemoselective Organocatalysis (IL14)**

Prof. Junpeng ZHAO  
(SOUTH CHINA UNIVERSITY OF TECHNOLOGY, Guangzhou, China)

#### **Lunch & Exhibition**

#### **IP Committee Meeting**

#### **Structure-Activity-Selectivity Relationships in Controlled Polymerization Catalysis Using Renewable Resources (PL04)**

Prof. Charlotte WILLIAMS  
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

#### **Implementing Ionic Polymerizations in 3D Printing, Importance of Proper Photo Base Design (IL15)**

Dr Haritz SARDON  
(UPV/EHU - POLYMAT, San Sebastián, Spain)

#### **Stereoselective Ring-Opening Polymerization of rac-Lactide Catalyzed by a Chiral Bifunctional Superbase (IL16)**

Prof. Byeong-Su KIM  
(YONSEI UNIVERSITY, Seoul, Korea, South)

#### **Coffee Break & Exhibition**

## Programme

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### **New Monomers, New Structures and New Mechanisms in Carbanionic Polymerization (IL17)**

Dr Hongwei MA  
(DALIAN UNIVERSITY OF TECHNOLOGY, Dalian, China)

### **Cationic Copolymerization of Vinyl Ethers with 2,3-Dihydrofuran (IL18)**

Prof. Priyadarsi DE  
(INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA, West Bengal, India)

### **Combination of Calcium and Lithium Derivatives for a Stereospecific Anionic Polymerization of Butadiene (IL19)**

Prof. Stephane CARLOTTI  
(UNIVERSITY OF BORDEAUX, Pessac, France)

### **Polymerization of Bio-Sourced Monomers (IL20)**

Prof. Helmut SCHLAAD  
(UNIVERSITY OF POTSDAM, Potsdam, Germany)

### **Poster Session II (Even)**

**End of the day**

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### Wednesday September 4, 2024

#### **CO<sub>2</sub>-Based Copolymers as Alternatives to Petroleum-Derived Thermoplastics (PL05)**

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

#### **Alternating Anionic Ring-Opening Polymerization of Thiolactones and Epoxides/Cyclocarbonates (IL21)**

Dr Nicolas ILLY  
(SORBONNE UNIVERSITY, Paris, France)

#### **Polyoxazoline Synthesis for Gene Delivery Applications (IL22)**

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

#### **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

#### **Dual Catalysis in Atom Transfer Radical Polymerization (PL06)**

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

#### **Packed lunch**

#### **Excursions**

#### **Conference Dinner**

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### Thursday September 5, 2024

#### **Title of talk to be announced (PL07)**

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

#### **Well-Defined Copolymers for Nanopatterning Applications (IL23)**

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

#### **Tailoring the Structure of Polyphosphoesters Towards Biodegradable Elastomers (IL24)**

Prof. Christine JEROME  
(ULIÈGE, Liege, Belgium)

#### **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

#### **Synergistic Developments of Living Ionic and Radical Polymerizations via Reversible Activation of Dormant Species (PL08)**

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

#### **Lunch & Exhibition**

#### **Chiral Diborane Catalysts for the Preparation of Isotactic Polyethers (IL25)**

Dr Stefan NAUMANN  
(UNIVERSITY OF STUTTGART, Stuttgart, Germany)

#### **Stimuli-Responsive Polymer Architectures as Optical Sensing Materials and Smart Membranes (IL26)**

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

#### **Anionic Ring-Opening Copolymerization to Novel Gradient and Random Biobased or Biodegradable Copolymers (PL09)**

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

#### **Closing Remarks, Oral Communication & Poster Prizes**

#### **Farewell Coffee Break**