

2nd Monash University-Kyoto University Joint Symposium on Polymer Science

04/12/2023

Monash University, Clayton Campus

New Horizons building, 4th floor

9:00 *Welcome by Professor Yiannis Ventikos, Dean Faculty of Engineering*

Session 1: Chair Tanja Junkers

9:10 **Makoto Ouchi**
Rational Design of Monomers for a Library Synthesis of Sequence/Tacticity-Controlled Polymers via Postpolymerization Modification

9:35 **Neil Cameron**
Cardiac tissue engineering scaffolds by 3D printing with multilayer polymer composites

10:00 **Kazunori Sugiyasu**
Two-dimensional Living Supramolecular Polymerization

10:25 *Morning tea break*

Session 2: Chair Tim Scott

10:50 **Kristian Kempe**
Biocompatible Poly(2-oxazoline) Nanorods as a Tuneable Drug Delivery Platform

11:15 **Kei Saito**
Green and Sustainable Polymers – Reusable adhesives and self-healing coatings from renewable resources

11:40 **Matthieu Gresil**
Epoxy vitrimer: A potential matrix for multifunctional materials

12:05 **Yoshinori Sasaki**
Design of Biomembrane Hybrid Nanoparticles for Potential Biomedical Applications

12:30 *Lunch break*

Session 3: Chair Kristian Kempe

- 13:30 **Tanja Junkers**
From DOSY Detection of Molecular Weights to Reaction Automation
- 13:55 **Shigeru Yamago**
Synthesis of Dendritic Hyperbranched Polymers by Controlled Radical Polymerization
- 14:20 **Joel Hooper**
Radical decarboxylation in polymer and materials synthesis
- 14:45 **Kazuo Tanaka**
Stimuli-Responsive Luminochromic Materials Based on Excitation-Driven Complexes

15:10 *Afternoon tea*

Session 4: Chair Neil Cameron

- 15:30 **San Thang**
Photoluminescent polymer cubosomes prepared by RAFT-PISA Process
- 15:55 **Yo Nakamura**
Determination of Chain Stiffness and Excluded-Volume Parameters for Polyelectrolytes in Aqueous Salt
- 16:20 **Tim Scott**
Microfluidic-Enhanced Assembly of Information-bearing Dynamic Covalent Oligomers
- 16:45 **Hideo Ohkita**
Improved Light-Harvesting and Charge Transport in Ternary Blend Polymer Solar Cells

17:10 *Conclusion of symposium*

18:30 *Speakers dinner at 'Farmer's Daughters'*