Curriculum Vitae

Name: Tsuyoshi Nishikawa
Position: Assistant Professor (in Prof. Makoto Ouchi's group)
Department of Polymer Chemistry,
Graduate School of Engineering, Kyoto University

Tsuyoshi Nishikawa obtained his Ph.D. in 2017 through the development of stimuli-responsive chirality-switchable materials under the supervision of Professor Michinori Suginome at Kyoto University. He then joined the group of Professor Shigehiro Yamaguchi at Nagoya University and engaged in research of supramolecular chemistry. In 2018, he began his academic career at Kyoto University as an Assistant Professor in Professor Makoto Ouchi's laboratory. He was selected as a PRESTO researcher by Japan Science and Technology (JST) in 2023. His current research interests include the chain-growth polymerization of alkenylboron compounds toward polymer synthesis via boron transformation and development of unique polymer function.

■Education

Mar 2010	Nara National College of Technology
Mar 2012	B. Eng., Kyoto University
Mar 2014	M. Eng., Kyoto University (supervisor: Prof. Michinori Suginome)
Sep-Nov 2016	Visiting Scholar, Münster University, Germany (Host: Prof. Armido Studer)
Mar 2017	Dr. Eng., Kyoto University (supervisor: Prof. Michinori Suginome)

■Experience

Apr 2017	Postdoctoral fellow, Nagoya University (supervisor: Prof. Shigehiro Yamaguchi)
Apr 2018 (-current)	Assistant Professor, Kyoto University (Prof. Makoto Ouchi's group)
Sep 2023 (-current)	PRESTO Researcher (JST), Research Area for "Sustainable Materials" (concurrent position)

■Awards

May 2025	Lectureship Award, Grant-in-Aid for Transformative Research Areas "Chemical Structural Re-Programing (SReP)"
Jul 2024	Young Scientist Presentation Award in in the 61th Polymer Research Symposium (Kobe), The Society of Polymer Science, Japan
Dec 2023	The CSJ Award for Young Chemists, The Chemical Society of Japan

Mar 2023	Award for Encouragement of Research in Polymer Science, the Society of Polymer Science, Japan
Mar 2022	Special Lecturer for Young Chemists in 102th CSJ Spring Annual Meeting, The Chemical Society of Japan
May 2021	Rising Stars in Polymer Science -2021-, Polymer Journal, Springer Nature
Dec 2020	Nippon Shokubai Award in Synthetic Organic Chemistry, Japan
Jun 2019	Poster Presentation Award in SPSJ annual meeting, the Society of Polymer Science, Japan
Mar 2019	Lecture Award in 99th CSJ annual meeting, The Chemical Society of Japan

■Representative publications

1. Suzuki, H.; Nishikawa, T.*; Ouchi, M.*
   Design of Vinylboron Monomers for the Comprehensive Structural Control of Poly(vinyl alcohol)s via Stereospecific Controlled Radical Polymerization and Subsequent Side-Chain Replacement
   J. Am. Chem. Soc., **2025**, 147(15), 12672–12685
   *Press release from JST and Kyoto University
   *Highlighted in Synfacts
   (https://www.thieme-connect.de/products/ejournals/abstract/10.1055/a-2601-5152)

2. Makino, H.; Nishikawa, T.*; Ouchi, M.*
   Enzyme-Like Catalysis of Vinyl Copolymer Carrying Boron Directly Connected to Backbone: Catalytic Esterification through Cooperation of Boron with Neighboring Carboxylic Anhydride
   Angew. Chem., Int. Ed., **2024**, 63(37), e202410523. (Open Access)

3. Kanazawa, T.; Nishikawa, T.*; Ouchi, M.*
   Radical Polymerization of Vinyl Boronate Involving Backbiting Chain Transfer and Postpolymerization Oxidation Affording Branched Poly(vinyl alcohol)s
   Macromolecules, **2024**, 57(14), 6750–6758.
   *Selected as a Supplementary Cover
   *Press Release from Kyoto University

4. Suzuki, H.; Nishikawa, T.*; Makino, H.; Ouchi, M.*
   Anthranilamide-protected vinylboronic acid: Rational monomer design for improved polymerization/ transformation ability providing access to conventionally inaccessible copolymers
   Chem. Sci., **2022**,13(43), 12703–12712.
   *Highlighted in 2022 Chemical Science Hot Article Collection.

5. Nishikawa, T.; Ouchi, M.*
   An Alkenyl Boronate as a Monomer for Radical Polymerizations: Boron as a Guide for Chain Growth and as a Replaceable Side Chain for Post-Polymerization Transformation.
   Angew. Chem., Int. Ed., **2019**, *58*, 12435–12439.
   *Selected as a Hot Paper.