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Professor.



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Nationality: Japanese

Date of Birth: December 29, 1975

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Education

Ph.D. in Pharmaceutical Sciences, Kyoto University, Japan (Apr 2002 – Mar 2005)

M.S. in Science and Technology, Shinshu University, Japan (Apr 2000 – Mar 2002)

B.S. in Textile Science and Technology, Shinshu University, Japan (Apr 1996 – Mar 2000)

Professional Experience

Professor, Kanazawa University, Japan (May 2025 – Present)

Visiting Professor, ETH Zürich, Switzerland (Jul – Oct 2020)

Associate Professor, Kanazawa University, Japan (Apr 2014 – Present)

Assistant Professor, Kanazawa University, Japan (Apr 2008 – Mar 2014)

Postdoctoral Fellow, University of Pennsylvania, USA (Feb 2007 – Mar 2008)

Postdoctoral Fellow, North Dakota State University, USA (Apr 2005 – Jan 2007)

Professional Activities and Society Memberships

Secretary, Kansai Branch, The Society of Synthetic Organic Chemistry, Japan (2016–2018)

Secretary, Kinki Branch, The Chemical Society of Japan (2014–2016)

Awards

Kansai Branch Award in Synthetic Organic Chemistry, Japan (Jul 2017)

Chugai Pharmaceutical Award in Synthetic Organic Chemistry, Japan (Dec 2011)

Grants and Funding

Grants-in-Aid for Scientific Research (MEXT, Japan)

JSPS Grant-in-Aid for Scientific Research (C) (2020–2023), PI.

JSPS Grant-in-Aid for Scientific Research (C) (2017–2020), PI.

JSPS Grant-in-Aid for Young Scientists (B) (2015–2017), PI.

JSPS Grant-in-Aid for Young Scientists (B) (2012–2014), PI.

JSPS Grant-in-Aid for Young Scientists (Start-up) (2008–2010), PI.

Other Government-Funded Projects

A-STEP Program (JST, 2010–2011), PI.

Competitive Grants from Companies and Foundations

(8) KEIRIN Race Promotion Fund (JKA, 2025), PI, ¥5,000,000

(7) NOVARTIS Foundation (2024–2025), PI, ¥1,000,000

(6) Takahashi Foundation (2023–2025), PI, ¥5,000,000

(5) Izumi Foundation (2022–2024), PI, ¥1,000,000

(4) Glycerin Application Grant (2022–2023), PI, ¥500,000

(3) Shibuya Foundation (2020–2021), PI, ¥2,000,000

(2) Mitani Foundation (2017–2018), PI, ¥1,000,000

(1) Chugai Pharmaceutical Award (2011–2012), PI, ¥1,000,000

University and Other Grants

(4) Strategic Fund (2011–2012), PI.

(3) Seed Presentation (2011–2012), PI.

(2) SANTO Project (2021–2023), PI.

(1) Research Fund (2023–2024), Co-PI.

Conference Presentations (International)

(14) Synthesis of Heterocycles by Fusion of 1,3-dipoles and Carbene-type Reagents”, ISHC2024, Aveiro, Portugal, Oral, Jul 2024.

(13) N-Heterocyclic Carbene-Catalyzed Catalytic Asymmetric Desymmetrization of meso-Diols”, IKCOC, Kyoto, Poster, Nov 2023.

(12) Total Synthesis of Regioselectively ¹⁵N-Labeled Tetrapyrrole Chromophores”, ICTPPO2023, Shizuoka, Poster, Sep 2023.

(11) Development of Multi-Functional NHC Catalysts Bearing Pyridine Moiety”, 4th Int. Symposium on Process Chemistry, Kyoto, Poster, Jul 2019.

(10) Carboxylic Acid-Free Novel Isocyanide-Based Reactions”, Pacificchem, Hawaii, Oral, Dec 2015.

(9) Magnesium-Tartramide Complex Mediated Asymmetric Strecker-Type Reaction”, ISCC-10, Kyoto, Poster, Sep 2013.

(8) NHC Catalyzed Oxidative Coupling of Aldehydes with Carbodiimides”, Int. Conf. on Organocatalysis, Otsu, Poster, May 2013.

(7) Selective One-pot Preparations of Heterocycles”, IKCOC-12, Kyoto, Oral, Dec 2012.

(6) Novel Isocyanide-Based Multicomponent Reactions”, 2nd Int. Symposium on Process Chemistry, Kyoto, Poster, Aug 2011.

(5) Enantioselective Conjugate Addition of Hydrazines”, 1st Int. Symposium on Process Chemistry, Kyoto, Poster, Jul 2008.

(4) Highly Chemo- and Enantioselective Conjugate Addition of Hydrazines”, ACS Meeting, Chicago, Oral, Mar 2007.

- (3) Enantioselective Nitrile Imine Cycloadditions”, ACS Meeting, San Francisco, Oral, Aug 2006.
- (2) 1,3-Dipolar Cycloaddition of Nitrile Ylides”, ACS Meeting, San Francisco, Oral, Aug 2006.
- (1) Asymmetric Conjugate Addition of Dialkylzinc to Unsaturated Imines”, Seoul-Osaka-Kyoto Symposium, Kyoto, Poster, Dec 2004.

Invited Presentations

“Development of New Synthetic Methods Utilizing Carbene Family as Synthons and Catalysts”, ETH Organic Synthesis Conference, Zürich, Switzerland, Oct 2020.

Patents

1. CD4-Mimetic Inhibitors of HIV-1 Entry and Methods of Use Thereof, PCT WO 2013090696 A1 (Filed: Jun 20, 2013).
2. Preparation of Phenyloxalamide Derivatives for Use as CD4 Mimetics, PCT WO2010053583 A2 (Filed: May 14, 2010).

Books

2. Methods and Applications of Cycloaddition Reactions in Organic Syntheses.”
Chap.11, Development of New Methods for the Construction of Heterocycles Based on Cycloaddition Reaction of 1,3-Dipoles. Takahiro Soeta, Yutaka Ukaji. 2013. Wiley
1. Comprehensive Chirality,” Chap. 4.06. Acetogenin (Polypropionate) Derived Auxiliaries/Tartaric Acid. Takahiro Soeta, Yutaka Ukaji. 2011, Elsevier.