CURRICULUM VITAE

Hiroki Hayashi

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EDUCATION

2011.3	**B. Eng.**, School of Engineering, Nagoya University, Japan (Prof. Kazuaki Ishihara)
2013.3	**M. Eng.**, Graduate School of Engineering, Nagoya University, Japan (Prof. Kazuaki Ishihara)
2016.3	**PhD. Eng.**, Graduate School of Engineering, Nagoya University, Japan (Prof. Kazuaki Ishihara)
2014.9–12	**Visiting Scholar**, Department of Chemistry, University of Berkeley, California, United States (Prof. John F. Hartwig)

ACADEMIC CAREER

2016.4–2017.3	**Postdoctoral Researcher**, Department of Chemistry, University of Berkeley, California, United States (Prof. John F. Hartwig)
2017.4–2020.1	**Assistant Professor**, Faculty of Arts and Science, Kyushu University (Assoc. Prof. Tatsuya Uchida)
2020.2–	**Specially Appointed Assistant Professor**, WPI-ICReDD, Hokkaido University (JST-ERATO Maeda Artificial Intelligence for Chemical Reaction Design and Discovery Project)

FELLOWSHIP

2015.4–2016.3	Research Fellow of the Japan Society for the Promotion of Sciences (DC2)
2016.4–2017.3	The Naito Foundation Postdoctoral Fellow for Research Abroad

AWARD

2012	Very Important Presentation Award at the 43rd Annual Meeting of Union of Chemistry-Related Societies in Chubu Area, Japan
2013	Poster Award at the 1st IGER Annual Meeting, Japan
2014	Poster Award at the 2nd IGER Annual Meeting, Japan
2014	Poster Award at the 31st Seminar of Organic Synthetic Chemistry, Japan
2015	Reaxys PhD Prize Finalist, UK
2015	Otsu Conference Award Fellow, Japan
2016	Presentation Award at the 96th CSJ Annual Meeting, Japan

PUBLICATION

1. "Ruthenium-Catalyzed Cross-Selective Asymmetric Oxidative Cross-Coupling of Arenols"
   Hiroki Hayashi, Takamasa Ueno, Chungsik Kim, Tatsuya Uchida
   Org. Lett. **2020***, ASAP.* DOI: 10.1021/acs.orglett.0c00048.

2. "Iron-Catalyzed Asymmetric Inter- and Intramolecular Aerobic Oxidative Dearomatizing Spirocyclization of 2-Naphthols"
   Takuya Oguma, Daiki Doiuchi, Chisaki Fujitomo, Chungsik Kim, Hiroki Hayashi, Tatsuya Uchida, Tsutomu Katsuki
   Asian. J. Org. Chem. **2019**, *accepted article.* DOI: 10.1002/ajoc.201900602.

3. "Chemoselective, Enzymatic C–H Bond Amination Catalyzed by a Cytochrome P450 Containing an Ir(Me)-PIX Cofactor"
   Pawel Dydio, Hanna M. Key, Hiroki Hayashi, Douglas S. Clark, John F. Hartwig
   J. Am Chem. Soc. **2017**, *139*, 1750–1753.

4. "Chiral Ammonium Hypoiodite Salt-Catalyzed Enantioselective Oxidative Cycloetherification to 2-Acyl Tetrahydrofurans"
   Muhammet Uyanik, Hiroki Hayashi, Hirokazu Iwata, Kazuaki Ishihara
   Chem. Lett. **2016**, *45*, 353–355.

5. "High-Turnover Hypoiodite Catalysis for Asymmetric Synthesis of Tocopherols"
   Muhammet Uyanik, Hiroki Hayashi, Kazuaki Ishihara
   Science **2014**, *345*, 291–294.

Review:

1. Nitrene Transfer Reactions for Asymmetric C-H Amination: Recent Development
   Hiroki Hayashi, Tatsuya Uchida
   Eur. J. Org. Chem. **2019**, *accepted article*. DOI: 10.1002/ejoc.201901562.