

Youhei Takeda, Ph.D.

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Born March 27, 1981 in Okayama, Japan

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ResearchGate: https://www.researchgate.net/profile/Youhei_Takeda

Researchmap: <https://researchmap.jp/read0156438>

Google Scholar: <https://scholar.google.co.jp/citations?user=kjGjIe4AAAAJ&hl=ja>

Research Interest

- 🍎 Design and synthesis of novel organic functional π -conjugated molecules based on the strategic incorporation of electronically- and structurally-perturbing heteroatom-embedded π -fragments as the key to their functions
- 🍎 Investigation of structure–physicochemical properties relationship of the developed functional molecules and application to optoelectronic devices
- 🍎 Development of novel synthetic organic reactions utilizing the unique characteristics of heteroatom-containing organic compounds
- 🍎 *Summary of research achievements*: 51 original papers, 3 accounts/reviews, 1 patent, 4 book chapters, 17 contribution articles, and 50 invited lectures at the international/domestic seminars, conferences, and symposiums (*total citation number*: 1841, *h index*: 22, *i 10 index*: 35, results obtained with Google Scholar Citation as of March 4, 2020)

EDUCATION

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| 2010 | Ph.D., Material Chemistry, Kyoto University, Kyoto, Japan
(Research Advisor: Professor Tamejiro Hiyama) |
| 2007 | M. Eng., Material Chemistry, Kyoto University, Kyoto, Japan
(Research Advisor: Professor Tamejiro Hiyama) |
| 2005 | B. Eng., Applied Chemistry, Waseda University, Tokyo, Japan
(Research Advisor: Professor Isao Shimizu) |

PROFESSIONAL EXPERIENCES

- 2019–present: Program Officer (concurrent position) for Grants-in-Aid for Scientific Research (KAKENHI), Ministry of Education, Culture, Sports, Science and Technology – Japan (MEXT)
- 2019 Adjunct Lecturer (concurrent position), Laboratory for Chemistry and Life Science Institute of Innovative Research, Tokyo Institute of Technology, Japan
- 2015–present: Adjunct Lecturer (concurrent position), Nanotechnology Course, Vietnam Japan University (VJU), Hanoi, Vietnam
- 2015–present: Associate Professor, Department of Applied Chemistry, Osaka University, Suita, Japan
- 2011–2015: Assistant Professor, Frontier Research Base for Global Young Researchers and Department of Applied Chemistry, Osaka University, Suita, Japan
- 2010: Postdoctoral Fellow, Department of Chemistry, Massachusetts Institute of Technology, Cambridge, USA
(Research Advisor: Professor Timothy M. Swager)
Research Fellow, Japan Society for the Promotion of Science (PD)
- 2009: Research Fellow, Japan Society for the Promotion of Science (DC2)

AWARDS and HONORS

- 🍏 The Young Scientists' Prize, The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, Japan (April, 2020)
- 🍏 Young Scholar Lecturers of CSJ at the 100th Annual Meeting of The Chemical Society of Japan (March, 2020)
- 🍏 Global Peer Review Awards 2019 (top 1% in *Chemistry*, top 1% in *Cross-Fields*) (September, 2019) (Powered by Publons)
- 🍏 Incentive Award in Synthetic Organic Chemistry, Japan (February, 2019)
- 🍏 Peer Review Awards 2018 (top 1% in *Chemistry*) (September, 2018) (Powered by Publons)
- 🍏 Selected as ChemComm Emerging Investigator 2018 (June, 2018) (Powered by Royal Chemical Society)
- 🍏 Outstanding Reviewer for Materials Chemistry Frontiers in 2017 (February, 2018)
- 🍏 Early Excellence "Profile" of Journal of Physical Organic Chemistry (December, 2015)
- 🍏 Osaka University Presidential Awards for Encouragement (July, 2015)
- 🍏 Toray Award in Synthetic Organic Chemistry, Japan (February, 2015)
- 🍏 Prize for Encouragement in the 2nd Meeting of Integrated Nanotechnology Foundation Research Project for Young Researchers (June, 2009)

- 🍏 Best Poster Award of the 19th Winter Fluorine Conference (January, 2009)

ADVISORY BOARDS

- 🍏 The Scientific Advisory Board (SAB), EXCILIGHT Project (funded by the European Commission under the Horizon 2020 Marie Curie actions) (2016–2019)
- 🍏 Early Career Advisory Board (ECAB), Asian Journal of Organic Chemistry (Wiley-VCH) (2020–present)

COMMITTEE MEMBERS

- 🍏 Committee Member of The 181st Committee on Multifunctional Molecular Electronics (JSPS University-Industry Cooperative Research Committees) (2019–present)
- 🍏 Expert Investigator of National Institute of Science and Technology Policy (NISTEP) (2020–present)

PROFESSIONAL SERVICES

- 🍏 Meeting Organizer: π -System Figuration European-Japanese Workshop 2018 (π -EJ 2018), November, 2018 (Dubrovnik, Croatia); π -System Figuration European-Japanese Workshop 2019 (π -EJ 2019), November, 2019 (Zabrze, Poland)
- 🍏 Organizing Committee Member: 26th International Conference on Organometallic Chemistry (ICOMC 2014), 2014 (Sapporo, Japan)
- 🍏 Program Committee Member: The 96th Chemical Society of Japan (CSJ) Annual Meeting, 2015 (Kyotanabe, Japan); The 99th Chemical Society of Japan (CSJ) Annual Meeting, 2019 (Kobe, Japan)
- 🍏 External PhD Examiner: He Wei, Nanyang Technological University (2016); Farzad Zamani, University of Wollongong (2019)

ACADEMIC MEMBERSHIPS

- 🍏 The Chemical Society of Japan
- 🍏 The Materials Research Society
- 🍏 The Society of Synthetic Organic Chemistry, Japan
- 🍏 The Kinki Chemical Society, Japan
- 🍏 The Society of Iodine Science
- 🍏 American Chemical Society
- 🍏 The Society of Physical Organic Chemistry, Japan
- 🍏 The Society of Polymer Science, Japan
- 🍏 The Society of Silicon Chemistry, Japan