

Eric Meggers – *Curriculum Vitae*

10.05.1968 in Bonn, Germany; married with two children

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EDUCATION

- 1999 Ph.D. in Organic Chemistry (*summa cum laude*)
Department of Chemistry, University of Basel, Switzerland
Advisor of PhD thesis: Prof. Dr. Bernd Giese
- 1995 Diploma in Chemistry (*mit Auszeichnung*)
Institute of Organic Chemistry, University of Bonn, Germany
Advisor of Diploma thesis: Prof. Dr. Eberhard Steckhan

CURRENT POSITION

2007–present Full Professor (W3), Department of Chemistry, University of Marburg, Germany

PREVIOUS POSITIONS

- 2011–2016 Group Leader together with Prof. Lei Gong, College of Chemistry and Chemical Engineering, Xiamen University, Xiamen, P. R. China
- 2007–2013 Adjunct Faculty Member, The Wistar Institute, Philadelphia, USA
- 2002–2007 Assistant Professor, Department of Chemistry, University of Pennsylvania, Philadelphia, USA
- 1999–2002 Postdoctoral Researcher, The Scripps Research Institute, La Jolla, USA (with Prof. Dr. Peter G. Schultz)

FELLOWSHIPS, AWARDS AND HONORS

- 2023 NHU-CJC Award (NHU Co., Ltd and Chinese Journal of Chemistry)
- 2022 EurJOC Wiley Lecture (Journées de Chimie Organique, École Polytechnique, Palaiseau, France)
- 2020 ERC-Advanced Grant (ERC-2019-ADG)
- 2019 Bristol-Myers Squibb Lectureship at the University of Illinois at Urbana-Champaign (Champaign, Illinois, USA)
- 2017 Novartis Synthetic Organic Chemistry Lectureship at UT Austin (Austin, Texas, USA)
- 2017 The Zasshikai Lectureship (The University of Tokyo, Tokyo, Japan)
- 2017 SUSTech Chemical Sciences Lectureship (SUSTech, Shenzhen, P. R. China)
- 2016 IOCF Yoshida Lectureship Award (Kyoto and Osaka University, Japan)
- 2009–2010 Novartis Chemistry Lectureship Award
- 2006–2008 Alfred P. Sloan Research Fellow, USA
- 2006 Nanqiang Lectureship Award (Xiamen University, Xiamen, P. R. China)

2006	Camille Dreyfus Teacher-Scholar Award, USA
2003	Thieme Chemistry Journal Award
2002	Camille and Henry Dreyfus New Faculty Award, USA
2001–2002	Emmy Noether Fellowship from the German Research Foundation
1999–2000	Feodor-Lynen-Fellowship of the Alexander von Humboldt Foundation
1995–1999	Fellowship of the Swiss National Science Foundation
1996	Award from the Heinrich-Hörlein-Memory-Foundation
1994–1995	Stipend from the Theodor-Laymann-Foundation

PUBLICATIONS

Co-author of 225 peer-reviewed research publications, 25 reviews and accounts, and 6 patents or patent applications. Total citations = 19300, h-index 83 (Web of Science, all databases, February 23, 2026).

5 Key Publications (last 5 years)

- Photoelectrochemical asymmetric dehydrogenative [2+2] cycloaddition between C-C single and double bonds via the activation of two C(sp³)-H bonds: P. Xing, S. I. Ivlev, E. Meggers, *Nat. Catal.* **2023**, *6*, 1186-1193 (<https://doi.org/10.1038/s41929-023-01050-y>).
- Expedited synthesis of α -amino acids by single-step enantioselective α -amination of carboxylic acids: C.-X. Ye, D. R. Dansby, S. Chen, E. Meggers, *Nat. Synth.* **2023**, *2*, 645-652 (<https://doi.org/10.1038/s44160-023-00267-w>).
- Stereocontrolled 1,3-nitrogen migration to access chiral α -amino acids: C.-X. Ye, X. Shen, S. Chen, E. Meggers, *Nat. Chem.* **2022**, *14*, 566-573 (<https://doi.org/10.1038/s41557-022-00895-3>).
- Electrochemical Enantioselective Nucleophilic C(sp³)-H Alkenylation of 2-Acyl Imidazoles: P. Xiong, M. Hemming, S. I. Ivlev, E. Meggers, *J. Am. Chem. Soc.* **2022**, *144*, 6964-6971 (<https://doi.org/10.1021/jacs.2c01686>).
- Catalytic α -Deracemization of Ketones Enabled by Photoredox Deprotonation and Enantioselective Protonation: C. Zhang, A. Z. Gao, X. Nie, C.-X. Ye, S. I. Ivlev, S. Chen, E. Meggers, *J. Am. Chem. Soc.* **2021**, *143*, 13393-13400 (<https://doi.org/10.1021/jacs.1c06637>).

SCIENTIFIC ACCOMPLISHMENTS

Keywords: Asymmetric catalysis, photocatalysis, transition metal catalysis, molecular design

Exploiting metal-centered stereochemistry for applications in medicine, chemical biology, and asymmetric catalysis. Pioneering work on the design of metal-based enzyme inhibitors in which the metal exerts a purely structural role. Pioneering development of “chiral-at-metal” transition metal complexes featuring exclusively metal-centered chirality (only achiral ligands) for applications in asymmetric catalysis, including visible-light-induced catalysis and stereocontrolled nitrene-mediated C(sp³)-H functionalizations. For the evolution of this research program, starting with enzyme inhibitor design and later continuing with chiral catalyst design, see the following essay: *Angew. Chem. Int. Ed.* **2017**, *56*, 5668.