

Eric Meggers

10.05.1968 in Bonn, Germany; married with two children

Philipps-Universität Marburg
Fachbereich Chemie
Hans-Meerwein-Straße 4
35043 Marburg, Germany
E-mail: meggers@chemie.uni-marburg.de
Web: <http://www.uni-marburg.de/fb15/ag-meggers>
ResearcherID (Thomson Reuters): B-8541-2014
ORCHID: 0000-0002-8851-7623



➤ **Educational Background**

1995 Diploma in Chemistry, Institute of Organic Chemistry, University of Bonn, Germany
1996-1999, Ph.D., Department of Chemistry, University of Basel, Switzerland (supervisor: Prof. Bernd Giese)
1999-2002, Postdoc, The Scripps Research Institute, La Jolla, USA (advisor: Prof. Peter G. Schultz)

➤ **Professional Career**

2002-2007, Assistant Professor, Department of Chemistry, University of Pennsylvania, USA
2011-2016, Professor, College of Chemistry & Chem. Engineering, Xiamen University, P. R. China
Since 2007, Full Professor, Department of Chemistry, University of Marburg, Germany

➤ **Awards and Honors**

2017, Novartis Synthetic Organic Chemistry Lectureship (The University of Texas at Austin, USA)
2017, Zasshi-kai Lectureship 2017 (The University of Tokyo, Japan)
2017, SUSTech Chemical Sciences Lectureship (Shenzhen, P. R. China)
2016, IOCF Yoshida Lectureship (Kyoto and Osaka University, Japan)
2009-2010, Novartis Chemistry Lectureship Award
2006-2008, Alfred P. Sloan Research Fellow, USA
2006, Camille Dreyfus Teacher-Scholar Award, USA
2006, Nanqiang Lectureship Award (Xiamen University, P. R. China)
2003, Thieme Chemistry Journal Award
2002, Camille and Henry Dreyfus New Faculty Award, USA
2000, Emmy Noether Fellowship from the German Research Foundation
1999, 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

➤ **Scientific Interests**

Exploiting metal-centered stereochemistry for applications in medicine, chemical biology, and asymmetric catalysis. Currently focus on designing and applying “chiral-at-metal” complexes to asymmetric catalysis including visible-light-induced catalysis.

➤ Publications

- Co-author of 166 peer-reviewed research publications, 23 reviews and accounts, and 4 patents
- Total citations = 8743, with 1237 citations in 2018 (Web of Science, March 6, 2019)
- h-Index = 52 (Web of Science, March 6, 2018)

Key accomplishments:

- Development visible-light-activated asymmetric catalysis using single catalysts (first report: *Nature* **2014**, 515, 100).
- Design of a novel family of asymmetric catalysts featuring exclusive metal-centered chirality (*Acc. Chem. Res.* **2017**, 50, 320; first report: *JACS* **2014**, 136, 2990).
- Development of novel strategies for the asymmetric synthesis of chiral octahedral metal complexes by employing chiral auxiliaries and chiral catalysts (*Acc. Chem. Res.* **2013**, 46, 2635; first report: *JACS* **2009**, 131, 9602).
- Establishing inert organometallic complexes as powerful scaffolds for the design of highly potent and selective enzyme inhibitors (account: *Synlett* **2007**, 1177; first report: *JACS* **2004**, 126, 13594; see also: *JACS* **2011**, 133, 5976). Organometallic complex commercially available as selective molecular probe for a protein kinase: EMD Millipore, catalog number 361558, "GSK-3 Inhibitor XV".
- Organometallic compounds for bioorthogonal catalysis in biological systems (first report: *Angew. Chem. Int. Ed.* **2006**, 45, 5645; see also: *Angew. Chem. Int. Ed.* **2014**, 53, 10536).
- Discovery and development of the minimal nucleic acid GNA containing an acyclic C₃ backbone (*Acc. Chem. Res.* **2000**, 43, 1092; first report: *JACS* **2005**, 127, 4174).
- Postdoc: First example of an artificial metal-mediated base pair in DNA (*JACS* **2000**, 122, 10714).
- Ph.D.: Contributions to unraveling the mechanism of long-range charge transport in duplex DNA through a guanine-hopping mechanism (*JACS* **1998**, 120, 12950).

➤ Presentations

More than 150 presentations in academia and industry since begin of independent career.

Selected Lectures of the last three years:

International Conference on Organometallics and Catalysis (ICOC 2018), Invited Lecture (Goa, India, December 15, 2018)

26. Lecture Conference on Photochemistry, Keynote Lecture (Garching, Germany, Sept. 12, 2018)

43rd International Conference on Coordination Chemistry (ICCC2018), Invited Lecture (Sendai, Japan, July 31, 2018)

16th Belgian Organic Synthesis Symposium (BOSS XVI), Plenary Lecture (Brussels, Belgium, July 12, 2018)

University of Texas at Austin, Department of Chemistry, Novartis Synthetic Organic Chemistry Lectureship (Austin, USA, November 10, 2017)

Columbia University, Department of Chemistry, Organic Seminar (New York, USA, November 8, 2017)

The University of Tokyo, Department of Chemistry, Zasshi-kai Lectureship (Tokyo, Japan, November 1-2, 2017)

Tokyo Institute of Technology (Tokyo, October 31, 2017)

ACS Publications Symposium at Shanghai Institute of Organic Chemistry, Invited Lecture (Shanghai, P. R. China, October 22-24, 2017)

Fuzhou University, Fujian Institute of Research on the Structure of Matter, Seminar (Fuzhou, P. R. China, October 16, 2017)

Université Pierre Marie Curie, CulturChem Seminar (Paris, France, October 9, 2017)

Summerschool, ICIQ, Lecture for students (Tarragona, Spain, September 27-29, 2017)

German-Spanish Symposium on Frontiers in Chemistry, ICIQ, Invited Lecture (Tarragona, Spain, September 25-27, 2017)

The RSC Coordination and Organometallic Chemistry Discussion Group Meeting, Plenary Lecture (Lancaster University, Lancaster, September 14, 2017)

UCLA, Department of Chemistry and Biochemistry, Special Organic Seminar (Los Angeles, September 8, 2017)

IUPAC 2017, 46th World Chemistry Congress, Invited Lecture (São Paulo, Brazil, July 13, 2017)

Conference on Applications of Photoactive Coordination Compounds (APCC 2017), University of St Andrews, Invited Lecture (Scotland, July 6, 2017)

Giese Symposium, University of Fribourg (Fribourg, Switzerland, June 2, 2017)

NUI Galway, School of Chemistry (Galway, Ireland, April 26, 2017)

Southern University of Science and Technology (SUSTech), Department of Chemistry, SUSTech Chemical Sciences Lectureship (Shenzhen, P. R. China, March 21, 2017)

97th Chemical Society of Japan Annual Meeting, Coordination Asymmetry Symposium, Invited Lecture (Yokohama, Japan, March 19, 2017)

University of Zurich, Department of Chemistry Seminar (Zurich, Switzerland, February 21, 2017)

Leiden University, Leiden Institute of Chemistry, Chemical Biology Lecture, (Leiden, The Netherlands, January 26, 2017)

University of Pennsylvania, Department of Chemistry, Organic Seminar (Philadelphia, PA, USA, December 5, 2016)

University of Michigan, Organic Chemistry Seminar (Ann Arbor, MI, USA, December 2, 2016)

12th International Symposium on Organic Free Radicals, Invited Lecture (Shanghai, P. R. China, October 11, 2016)

7th International Forum on Homogeneous Catalysis, Keynote Lecture (Hefei, P. R. China, October 8, 2016)

Kyoto University, Yoshida Lectureship (Kyoto, September 21, 2016)

Osaka University, Yoshida Lectureship (Osaka, September 20, 2016)

Symposium "Frontiers in Asymmetric Catalysis" organized by the Key Laboratory of Molecular Recognition and Function (LMRF), Institute of Chemistry, Chinese Academy of Sciences, Invited Lecture (Beijing, September 18, 2016)

8th International Symposium on Bioorganometallic Chemistry (ISBOMC16), Plenary Lecture (Moscow, September 4-8, 2016)

20th International Symposium on Homogeneous Catalysis (ISHC XX), Invited Lecture (Kyoto, July 14, 2016)

42th International Conference on Coordination Chemistry (ICCC-42), Invited Lecture (Brest, France, July 7, 2016)