

Frank Glorius



Professor

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Scientific Vita

2007 -now **Münster:** Full Professor of Organic Chemistry at the University of Münster

2004-2007 **Marburg:** C3-Professor for Organic Chemistry at the University of Marburg

2001-2004 **MPI:** Independent research at the MPI für Kohlenforschung (Mentor: A. Fürstner)

2000-2001 **Harvard:** Postdoctoral studies with Prof. David A. Evans, Harvard University

1997-2000 **Basel&MPI:** PhD with A. Pfaltz, University of Basel & MPI für Kohlenforschung, *summa cum laude*

1996-1997 **MPI&Hannover:** Diploma thesis with A. Pfaltz and H. M. R. Hoffmann, Max-Planck-Institut (MPI) für Kohlenforschung, Mülheim/Ruhr and the University of Hannover, Germany

1995-1996 **Stanford:** Research studies with P. A. Wender, Stanford University, USA

1992-1997 **Hannover:** Studies of chemistry at the University of Hannover, Germany

Research Field

Main contributions in 1) photocatalysis, 2) NHCs including organocatalysis, on-surface chemistry and arene hydrogenation, 3) lipid analogs, 4) C-H activation and 5) smart screening, data analysis and machine learning.

Awards and Recognition

Clarivate/Thomson Reuters Highly Cited Researcher (each year since 2014), Emil Fischer Medal (2024), Otto Bayer Award (2022), Elected Member of the German National Academy of Sciences, Leopoldina (2021), Gay-Lussac Humboldt Award (2019), Cope Scholar Award (2018).

Representative Publications

1. H. Wang, H. Shao, A. Das, S. Dutta, H. T. Chan, C. Daniliuc, K. N. Houk, F. Glorius, Dearomative ring expansion of thiophenes by bicyclobutane insertion, *Science* **2023**, *381*, 75-81.
2. Y. Lee, ... Cleveland, A. Adibekian, F. Glorius, H. Waldmann, M. D. Disney, *Programming inactive RNA-binding small molecules into bioactive degraders*, *Nature* **2023**, *618*, 169-179.
3. R. Kleinmans, T. Pinkert, S. Dutta, T. O. Paulisch, H. Keum, C. G. Daniliuc, F. Glorius, *Intermolecular [2 π +2 σ]-photocycloaddition enabled by triplet energy transfer*, *Nature* **2022**, *605*, 477-482.
4. J. Ma, S. Chen, P. Bellotti, R. Guo, F. Schäfer, A. Heusler, ... M. K. Brown, K. N. Houk, F. Glorius, *Photochemical Intermolecular Dearomative Cycloaddition of Bicyclic Azaarenes with Alkenes*, *Science* **2021**, *371*, 1338-1345.