24th Thieme Lecture in Organic and Bioorganic Chemistry

Beyond the Conventional: Unique Synthetic Transformations Enabled by Light

Prof. Thorsten Bach

Technische Universität, München

Thorsten Bach's research focuses on organic photochemistry, catalysis, and natural product synthesis. His group has developed and pioneered the field of enantioselective photochemical reactions. In 2009, the first catalytic enantioselective [2+2] photocycloaddition was discovered which was followed by fundamental mechanistic contributions to the mode of action of chiral sensitizers and photocatalysts. Several other photochemical transformations have been accomplished in an enantioselective fashion, including unprecedented photochemical deracemization reactions. The latter reaction class holds great promise for the synthesis of enantiopure compounds from racemic starting materials.

Thorsten Bach has received several national and international awards, including a JSPS fellowship in 2016, the Horst Pracejus Prize in 2017, the Emil Fischer Medal in 2018, and the Gottfried Wilhelm Leibniz-Prize in 2020. Since 2000, he serves as an associate editor of the journal SYNTHESIS.

24th Day of Organic Chemistry at the University of Stuttgart (TOCUS)
October 15, 2021

9:00 am	Presentations of doctoral students from the Universities of Stuttgart, Frankfurt, Heidelberg, Freiburg, Konstanz, KIT Karlsruhe, Tübingen, Ulm.
5:30 pm	Welcoming remarks: Susanne Haak, Georg Thieme Verlag, Stuttgart Introduction by Prof. Dr. Clemens Richert, Institute of Organic Chemistry, University of Stuttgart
5:45 pm	Thieme Lecture: Prof. Thorsten Bach, Technische Universität, München **'Beyond the Conventional: Unique Synthetic Transformations Enabled by Light'**

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