

## Second Laureate Fundamental Research

- **Research Work Title:** Exploration of Catalysts and Catalytic Reactions for Organic Synthesis
- **Researcher:** Prof. Bernhard Breit
- **Country:** Germany
- **Field:** Organic Chemistry
- **Scientific Affiliation:** Institut für Organische Chemie, Albert-Ludwigs-Universität Freiburg



### Abstract:

The research interests of Professor Breit evolve around the topics of organic synthesis and catalysis. Professor Breit has pioneered the use of supramolecular concepts in homogeneous catalysis as well as the development of novel atom economic C/C and C/heteroatom bond forming reactions. The new catalysts and methods have been applied for the synthesis of a wide range of medicinally important target molecules as well as natural products.

### Biography:

Professor Bernhard Breit is a graduate of the University of Kaiserslautern (Diploma and Dr. rer. nat.). After postdoctoral studies at Stanford University he joined the faculty at the University of Marburg for a habilitation (1998). In 1999 he accepted a position as a professor of organic chemistry at the University of Heidelberg. In 2001 he moved to his current position as a full professor of organic chemistry to the Albert-Ludwigs Universität in Freiburg. His research interests focus on the exploration and development of methods and strategies for a sustainable organic synthesis. He is author of more than 190 publications, and has been a visiting professor at Harvard University, Stanford University and the University of Strasbourg. Professor Breit's research has been recognized by several awards, including the Dozenten Award of the Fonds of the Chemical Industry (1999), the Heinz Maier-Leibnitz Award of the DFG (1999), Krupp Award (2000), Novartis European Young Investigator Award (2003), JSPS Fellow (2007 & 2000), Senior Fellow of the Freiburg Institute for Advanced Studies (2008).

