

20th Thieme Lecture in Organic and Bioorganic Chemistry

New Approaches to the Formation of Quaternary Carbon Stereocenters in Acyclic Systems



Prof. Ilan Marek
Israel Institute of Technology

Ilan Marek, FRSC was born in Haifa (Israel), educated in France, and received his PhD thesis in 1988 from the University Pierre et Marie Curie, Paris, (France) under the guidance of Professor J. F. Normant. In 1989, he was postdoctoral fellow in Louvain-la-Neuve (Belgium) with Professor L. Ghosez and obtained a research position at the CNRS in France in 1990. After obtaining his Habilitation in Organic Chemistry, he moved to the Technion Israel Institute of Technology at the end of 1997 where he currently holds a full Professor position. Since 2005, he holds the *Sir Michael and Lady Sobell Academic Chair*.

He was awarded many prestigious prizes, with the most recent ones being the Weizmann Prize for exact Sciences (2015), the 17th International Organic Chemistry Foundation Yoshida Lectureship, Japan (2015) and the Yannai Prize for excellence in teaching (2015). He is a member of several international scientific committees, advisory board member of many international journals and a volume editor of *Science of Synthesis*.

Ilan Marek is concerned with the design and development of new and efficient **stereo- and enantioselective strategies** for the synthesis of important complex molecular structures. He is particularly interested in developing **carbon-carbon bond forming** as well as **carbon-carbon bond activation** processes, which efficiently create multiple stereocenters in a single-pot operation. Understanding of **reaction mechanisms** gives insight into the origins of chemo- and stereoselectivity, and governs optimization towards the most efficient and general protocols for his methodologies. His vision is that we should provide an answer to challenging synthetic problems but it has to be coupled with unique efficiency and elegance.

Day of Organic Chemistry at the University of Stuttgart (TOCUS), October 14, 2016

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| 9:00 am | Presentations of 12 graduate students from the University of Stuttgart and other Southwestern universities
Auditorium V 55.02 |
| 5:30 pm | Welcoming remarks: Dr. Guido F. Herrmann, Georg Thieme Verlag, Stuttgart
Introduction by Prof. Sabine Laschat, Institute for Organic Chemistry, University of Stuttgart |
| 5:45 pm | Thieme Lecture: Prof. Ilan Marek, Israel Institute of Technology
'New Approaches to the Formation of Quaternary Carbon Stereocenters in Acyclic Systems' |
| 7:00 pm | Evening buffet and after dinner discussions (advanced booking for non-lecturers required)
Internationales Begegnungszentrum (IBZ) of the University of Stuttgart,
Robert-Leicht-Str. 161, 70569 Stuttgart |