

*Charting and exploiting natural product
chemical space by synthesis and biology*

Prof. Dr. Herbert Waldmann

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Friday 7th May, 2010. ICIQ Auditorium, 12 p.m.



Prof. Dr. Waldmann studied chemistry at the University of Mainz and received his Ph.D. inorganic chemistry in 1985 under the guidance of Professor Kunz. After a postdoctoral appointment with Professor George Whitesides at Harvard University, Dr. Waldmann completed his habilitation at the University of Mainz in 1991. In 1991 he was appointed as professor of organic chemistry at the University of Bonn, then in 1993 was appointed to full professor of organic chemistry at the University of Karlsruhe. In 1999 he was appointed as Director of the Max-Planck-Institute of Molecular Physiology Dortmund, and Professor of Organic Chemistry at the University of Dortmund.

Prof. Waldmann's research interests lie in protein domain and natural product structure with work on the syntheses of signal transduction modulators and the syntheses of natural product derived compound libraries, the development of solid phase synthesis methods-traceless linkers, and the synthesis and biological evaluation of lipidated peptides and proteins with work on Ras peptides and Ras proteins. He has been the recipient of the Friedrich Weygand Award for the advancement of peptide chemistry, of the Carl Duisberg Award of the Gesellschaft Deutscher Chemiker, the Otto-Bayer-Award, the Steinhof Award of the Steinhof Foundation, the Max Bergmann Medal, the GSK Award on Chemical Biology, he is a Member of "Deutsche Akademie der Naturforscher Leopoldina, Halle/Saale", of the NRW Akademie der Wissenschaft und der Künste and since 2005 he is a Fellow of the Royal Society of Chemistry. Among his lectureships are the prestigious Van de Kerk Lectureship, University of Utrecht, 2002, the Amgen Lecturer, USA 2003, the R. Raphael Lectureship, Glasgow, 2005, the Roessler Lectures, Cornell University, Ithaca, USA, 2006 as well as the Musgrave Lectureship, Department of Chemistry, University of Durham, GB 2006, the Bridget Ogilvie Lecture, School of Life Sciences, University of Dundee, GB, 2006, the Melvin Calvin Lecture, UC Berkeley, USA, 2007, the Cedric Hassall Lecture, Gregynog, GB, 2007, the IICT Hyderabad Foundation Day Lecture, India, 2008, the Felix Serratosa Lecture, CSIC Barcelona, Spain, 2009 and the Wang Yu Memorial Lecture, Shanghai, 2009.