



Prof. Dr. Rainer Haag

Chair Professor of Organic and Macromolecular Chemistry,
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Scientific Output: 490 Publications, 35 Patent Applications
Research Group Homepage: www.polytree.de

Rainer Haag, born 1968, is Full Professor in Organic and Macromolecular Chemistry at the Freie Universität Berlin. Since 2008 he is the head of a collaborative research center SFB 765 “Multivalency a chemical organization and action principle”. His research interests are dendritic polymers as highly functional polymeric supports for catalysis, macromolecular nanotransporters for DNA- and drug-delivery and protein resistant material surfaces. In 2004 his group was awarded the young investigator NanoFutur award from the German Ministry of Science (BMBF) and in 2010 the Athur K. Doolittle Award of the American Chemical Society (ACS) for their work on “multifunctional nanotransport systems”. He is also advisor for two start-up companies (nanopartica and Dendropharm) that license the group’s technology. With Dendropharm he received the Innovation award Berlin-Brandenburg 2016. In 2019 he became an elected member of the German Academy of Technical Sciences (Acatech).

Rainer Haag completed his PhD thesis (1995) on Highly Strained Acepentalene Derivatives with Prof. A. de Meijere, University of Göttingen, Germany. In 1994 he joined the group of Prof. M. Rabinovitz, Hebrew University, Jerusalem (Israel) as a Research Fellow. In 1996-1997 he worked as a Postdoc with Prof. S. V. Ley, University of Cambridge (England) on the total synthesis of Spongistatine and soluble polymeric supports for combinatorial synthesis. As a research fellow (1997-1999) with Prof. G. M. Whitesides, Harvard University, Cambridge (USA) he worked on the electronic properties of self-assembled monolayers, nanostructuring of surfaces and multivalent drugs. From 1999 until 2002 he completed his habilitation on “Dendritic Polymers as High-loading Supports for Organic Synthesis and Drug-Delivery” and was research group leader at the Materials Research Center (FMF) of the University of Freiburg (Mentor: Prof. Rolf Mülhaupt). He is recipient of the ADUC-Habilitanden prize 2000, the Reimund-Stadler prize 2001 and the Heinz-Maier Leibnitz prize 2002 of the German Chemical Society. In 2003 he received the Dozenten Award of the German Chemical Industry. He was a co-founder of Hyperpolymers, a company specialized on dendritic polymers. In May 2003 he became Associate Professor in Organic Polymer Chemistry at the University of Dortmund. In 2004 Rainer Haag accepted a Chair position at the Freie Universität Berlin.