

HONORARY LIFE FELLOWS-2014

Prof. Dr. Rainer Haag

born April 14, 1968 in Darmstadt, Germany

Chair Professor of Organic and Macromolecular Chemistry,

Department of Chemistry and Biochemistry, Freie Universität Berlin

Director of the Master Program Polymer Science

Research Group Homepage: www.polytree.de

Married, 3 Children in the age of 13, 10, 7 years



PROFESSIONAL PREPARATION

- 1997 - 1999** Research associate in the Department of Chemistry, Harvard University, Cambridge, Massachusetts (USA) with Prof. George M. Whitesides.
- 1996 - 1997** Postdoctoral fellow at the Chemical Laboratory, University of Cambridge (England) with Prof. Steven V. Ley.
- 1992 - 1995** Ph.D. thesis at the Institute for Organic Chemistry, Georg-August-Universität Göttingen (Germany) with Prof. Dr. A. de Meijere.

APPOINTMENTS

- 05-08/2009** Visiting professor, Harvard University, Cambridge (USA), with Prof. D. Weitz
- Since 2004** Full professor of Organic and Macromolecular Chemistry, FU Berlin.
- 2003 - 2004** Associate professor of Organic Polymer Chemistry, University of Dortmund.
- 1999 - 2002** Assistant professor (Habilitation) at the Institute of Macromolecular Chemistry, and Freiburg Material Science Center, Albert-Ludwigs Universität Freiburg

HONORS AND AWARDS

- 2010 Doolittle Award of the American Chemical Society (ACS)
- 2004 Nanoscience Award for Young Scientists from the Ministry of Science (BMBF)
- 2003 Dozentenstipendium of the German Chemical Industry (VCI)
- 2002 Heinz Maier-Leibnitz-Prize 2002 of the Deutsche Forschungsgemeinschaft (DFG)
- 2001 Reimund-Stadler-Prize of GdCh-Subgroup Macromolecular Chemistry
- 2000 ADUC-Habilitanden-Award of the Gesellschaft Deutscher Chemiker (GdCh)
- 1997 Selected Member of the Studienstiftung des Deutschen Volkes

SCIENTIFIC BOARDS AND OTHER FUNCTIONS (SELECTION)

2011 Scientific Advisory Board, Henkel AG, Surfactants and Cleaning Products
Since 2007 Member of the Excellence Committee of the Freie Universität Berlin
2012-2017 FU-Speaker of the Helmholtz virtual Institute on Multifunctional Biomaterials
Since 2008 Speaker of the Collaborative Research Center SFB 765 on Multivalency

INDUSTRY COOPERATIONS

Bayer-Schering Pharma AG (Berlin), Poly-An GmbH (Berlin), Roche Diagnostics (Penzberg), Qiagen GmbH (Hilden), Soliqs GmbH (Ludwigshafen), Largentec GmbH (Berlin), Rapp Polymere GmbH (Tübingen), Mivenion GmbH (Berlin), Nanopartica GmbH (Berlin), Biolitec GmbH (Jena)

SCIENTIFIC COOPERATION

The research of the group is embedded in a broad network of local, national and international collaborations, such as the collaboration with scientists from the numerous local Helmholtz, Leibniz and Max Planck Institutes, the Charité - Universitätsmedizin Berlin, as well as researchers from Freiburg, Harvard and Tokyo. Prof. Haag is strongly involved in the FU Berlin Focus Area "nanoscale functional materials", research collaborations such as "Poly4Bio - polymers for biomedical application" and the Helmholtz Virtual Institute "Multifunctional biomaterials for medicine" together with partners such as the Helmholtz-Center Geesthacht - Teltow, the Helmholtz Center Berlin and the Federal Institute for Materials Research, as well as in collaborative research centers SFB 765 "multivalent interactions" and SFB 658 "molecular switches" and the Cluster of Excellence "Unicat". Other collaborations are: BMBF-Project "MODIAMD"; Indo-German BMBF exchange program with the University of Delhi, SFB 658 "Molecular Switches", DFG-NSF collaboration project with UC Irvine "New core-shell nanoparticles " and DFG-CNRS collaboration on copper transport. German-Israeli Cooperation (GIF) with the group of Ronit Satchi-Fainaro Tel Aviv University on siRNA delivery.

INTERDISCIPLINARY ACTIVITIES AND CONFERENCE ORGANIZATION

Spokesperson of the research group "Helmholtz Virtual Institute"
Dep. Speaker of the FU Berlin Focus Areas "Nanoscale"
Chemiedozenten Symposium 2013 in Berlin
Polydays Symposium GDCh Division, 2010 in Berlin
Trilateral symposium with Harvard and Tokyo University, 2010 in Berlin.
Organizer of the International Symposium on Polymer Therapeutics in Berlin in 2007

INVITED SPEAKER AT INTERNATIONAL CONFERENCES (LAST FIVE YEARS)

Controlled Release Society of Israel on Polymer Therapeutics, Tel Aviv, 2012
Materials Research Society Meeting on Multi-Functional Polymers, Boston, 2011

Indian Chemical Society Meetings, University of Delhi 2006, 2007, 2009, 2011, 2013, 2014

Sino-German Symposium on Functional Biomaterials, Chengdu, China 2010

PMSE Nanomedicine, American Chemical Society Meeting, Boston 2010

International Dendrimer Symposium, Toulouse 2007 and Stockholm 2009

International Symposium on Polymer Therapeutics, Valencia 2008, 2010, 2012

RESEARCH INTERESTS

Multifunctional dendritic polymers as carriers for catalysis, supramolecular nanocarriers for DNA/RNA and drug delivery, protein resistant surfaces, polymer therapeutics, multivalent architectures for biomedical applications

ACADEMIC ACHIEVEMENT

240 publications in peer review journals, h-index: 40

21 patents and applications (leading professor in the last 5 years)

scientific mentor of >60 PhD/postdocs, four junior groups and two start-up companies

Prof. Christophe LEN

Date of Birth: february 16th, 1966, France

Head of research group « *Chemical Transformations of Renewable Materials* », *University of Technology of Compiègne - UTC*

Research Director of *Ecole Supérieure de Chimie Organique et Minérale - ESCOM*



Mail. : christophe.len@utc.fr

Web1 : <http://www.utc.fr/timr/>

Web2 : <http://christophe.len.pagesperso-orange.fr/C%20LEN%20UK.htm>

Highlights of Professor Christophe LEN's research contributions

Christophe Len received his Ph.D. from the University of Picardie-Jules Verne (UPJV) in Amiens (France) under the supervision of Professor P. Villa in the field of carbohydrate chemistry. In 1996, he joined Dr. G. Mackenzie's group at the University of Hull (U.K.) as a postdoctoral fellow to work on the synthesis of nucleoside analogues. In 1997, he became Assistant Professor at UPJV and worked on the chemistry of antiviral nucleoside analogues, specializing in those with novel glycone systems. In 2003, he received his habilitation and was promoted to full Professor in 2004 at the University of Poitiers (France). During 2008, he moved to the University of Technology of Compiègne (France) to develop green chemistry.

Christophe Len and his research team are more specifically involved in the development of a large variety of catalytic reactions including different principles of green chemistry. His major achievements to explore new reactions profiles include (i) the reactivity of biomass-derived molecules (glycerol, fatty acids, lignin, cellulose) for the formation of new chemical bonds; (ii) carbon-carbon cross coupling reactions (Suzuki-Miyaura, Tsuji-Trost reactions) catalyzed by palladium complexes in aqueous media with or without ligand; (iii) the use of unconventional media (water, critical fluids, ionic liquids); (iv) the use of alternative methods such as microwave irradiation, ultra-sounds, photochemistry, continuous flow. He has conceived and demonstrated photochromic micellar catalysis in water. The surfactant was designed to (i) photo-organize and disorganize in aqueous solution, (ii) allow a better extraction of the products formed due to its photochromism property, (iii) facilitate the reactions taking place in an aqueous phase, and (iv) enable the recycling of the aqueous phase.

He is co-author of more than 100 research papers in high impact international journals. In addition, he has contributed to patents (2), review articles (9), book chapters (3) and more than 200 communications

(oral and poster) in national and international congresses. His work has enabled him to receive several national and international awards such as prime for excellence 2004-2016 from the French government, Honorary Professor of the University of Hull, England (2013-2016). He is currently the Management Committee member of the FPS Cost Action FP1306 "Valorisation of lignocellulosic biomass side streams for sustainable production of chemicals, materials and fuels using low environmental impact technologies" gathering 44 partners from 17 different European countries.

Professor Jesper Wengel

Born October 22, 1963; Married; Five children

Nucleic Acid Center

Department of Physics, Chemistry and Pharmacy

University of Southern Denmark, Odense

Tlf. +45 6550 2510

e-mail: jwe@sdu.dk



Jesper Wengel is professor of bioorganic chemistry at the University of Southern Denmark and Director of the Nucleic Acid Center and BioNEC, both research centers of excellence focused on nucleic acid chemical biology and nanotechnology. He is co-inventor of the LNA (locked nucleic acid) and UNA (unlocked nucleic acid) technologies and he is co-founder of RiboTask, a biotech company focused on developing and marketing novel RNA technologies for gene silencing. He has published more than 340 research papers in international journals, and his H-index is 48.

He was knighted Ridder af Dannebrogordenen (Knight of Dannebrog) in 2012.

He is an ERC (European Research Council) Advanced Grant Recipient 2011 – 2016. He has received a number of awards and has presented award lectureships, including the following: The Natural Science Teaching Award, Odense University (1995); Bjerrum-Brøndsted-Lang Lecturer, 1997; Parker-Davis Lecturer, Ohio State University, 2000; The Biochemistry Teaching Award, University of Copenhagen (2000); The Bjerrum Chemistry Award, 2001; The Lundbeck Foundation's Research Prize for Young Researchers, 2002; The Danish Academy of Natural Sciences Industry Award, 2002; The UCB Award for Excellence in Medicinal Chemistry 2004; The Villum Kann Rasmussen Grant for Technical Research, 2005; OBC Lecture Award, 2006; The Danish Association of Masters and PhDs Research Award 2007; The Ib Henriksen Foundation Research Award 2008.

He is elected member of The Royal Danish Academy of Sciences and Letters (2003-), The Danish Academy of Natural Sciences (2000-) and The Danish Academy of Technical Sciences (2005-).