

Max Planck Institute for Biophysical Chemistry
 Dept. of NanoBiophotonics
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Education

1981 – 1987 Diploma in Physics, University of Heidelberg
 1990 Dr. rer. nat., University of Heidelberg (Advisor: S. Hunklinger)
 1996 Habilitation in Physics, University of Heidelberg

Professional Career

1991 – 1993 Postdoctoral Researcher, EMBL (European Molecular Biology Laboratory)
 1993 – 1996 Principal Scientist, Laser Microscopy Group; University of Turku, Finland
 1994 Visiting Scientist, Dept. Engineering Science, Oxford University, UK
 1997 – 2002 Head, Max-Planck- Junior Group, MPI for Biophysical Chemistry
since 2002 Director, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany
 Head, Department of NanoBiophotonics
 since 2003 Adj. Prof., Faculty of Physics, Heidelberg University
 since 2003 **Head, Optical Nanoscopy Division; German Cancer Research Center (DKFZ)**,
 Heidelberg (secondary appointment)
 since 2004 Hon. Prof., Faculty of Physics, University of Göttingen
 since 2016 **Director, Max Planck Institute for Medical Research**, Heidelberg, Germany
 Head, Department of Optical Nanoscopy
 since 05/2017 Hon. Prof., Department of Physics and Astronomy, Heidelberg University

Honors and Awards

2000 ICO Prize, International Commission for Optics (ICO)
 2001 Helmholtz-Prize for metrology (co-recipient)
 2002 Innovation Award of Leibinger-Foundation
 2002 Carl-Zeiss Research Award of Ernst-Abbe-Fonds
 2002 Karl-Heinz Beckurts-Prize
 2004 Gottlieb Daimler- and Karl Benz Prize, Berlin Brandenburg Academy of Sciences
 2006 Innovation Award of the German President (Zukunftspreis des Bundespräsidenten)
 2007 Cozzarelli Prize awarded by the Proc. Natl. Acad. Sc. USA
 2007 Julius Springer Prize for Applied Physics
 2008 Gottfried Wilhelm Leibniz Prize of the German Research Council (DFG)
 2008 Lower Saxony State Award (Niedersächsischer Staatspreis)
 2009 Otto Hahn Prize in Physics
 2009 Doctor honoris causa, University of Turku, Finland

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| 2010 | Ernst-Hellmut-Vits-Prize |
| 2011 | Hansen Family Award |
| 2011 | Körber European Science Prize (Physical Sciences) |
| 2011 | Gothenburg Lise Meitner Prize 2010/2011 |
| 2011 | Meyenburg Prize for Cancer Research |
| 2011 | Doctor honoris causa, Vasile Goldis University, Arad, Romania |
| 2012 | Science Prize of the Fritz Behrens Foundation |
| 2013 | Doctor honoris causa, Politehnica University of Bucharest, Romania |
| 2013 | Paul Karrer Medal, University of Zürich, Switzerland |
| 2013 | Carus Medal of Leopoldina, German National Academy |
| 2014 | Hall of Fame of German Research |
| 2014 | Kavli Prize in Nanoscience |
| 2014 | Nobel Prize in Chemistry |
| 2015 | Order of Merit of Baden-Württemberg |
| 2015 | Glenn T. Seaborg Medal |
| 2015 | Ernst & Young Entrepreneur of the Year 2015 (Start-up), with Abberior Instruments GmbH |
| 2015 | Doctor honoris causa, KTH Royal Institute of Technology, Stockholm, Sweden |
| 2016 | Doctor honoris causa, King's College London, United Kingdom |
| 2016 | Premio Capo d'Orlando 2016 |
| 2016 | Doctor honoris causa, University of Babeş-Bolyai, Cluj-Napoca, Romania |
| 2016 | Semmelweis Budapest Award, Semmelweis University, Budapest, Hungary |
| 2016 | Wilhelm Exner Medal, Austrian Industry Association (Österreichischer Gewerbeverein, ÖGV), Vienna, Austria |
| 2018 | Ellis Island Medal of Honor |
| 2018 | Doctor honoris causa, ETH Zurich, Switzerland |

Named Lectures

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| 2006 | Robert B. Woodward Visiting Scholar, Harvard University |
| 2007 | Ångström Lecture, Uppsala Universitet, Sweden |
| 2008 | Debye Lecture, Utrecht University, The Netherlands |
| 2009 | Frederick Seitz Lecture, University of Chicago, USA |
| 2010 | David Sears Memorial Lecture, Yale University, USA |
| 2010 | University Lecture, University of Utah, Salt Lake City, USA |
| 2011 | Lord Lecture, Massachusetts Institute of Technology, MA, USA |
| 2012 | Guthikonda Memorial Lecture, Columbia University, NY, USA |
| 2012 | Römer Lecture, Ludwig-Maximilians-University Munich, Munich, Germany |
| 2013 | Twenty-Third Annual George A. Feigen Memorial Lecture, Stanford, CA, USA |
| 2013 | Paul Karrer Lecture, University of Zurich, Switzerland |
| 2014 | Kewaunee Lecture, Duke University, USA |
| 2014 | Niels Bohr Lecture, Copenhagen, Denmark |
| 2015 | Boltzmann Lecture, Vienna, Austria |
| 2016 | Oon Lecture, University of Cambridge, United Kingdom |
| 2016 | IET Kelvin Lecture, The Institution of Engineering and Technology, United Kingdom |
| 2016 | Rosalind Franklin Lecture, The Royal Society, United Kingdom |

- 2016 Hellmut-Weese-Gedächtnisvorlesung, Deutsche Gesellschaft für Anästhesiologie & Intensivmedizin (DGA), Germany
- 2016 Fraunhofer-Lecture, Deutsche Gesellschaft für angewandte Optik (DGaO), Germany
- 2016 Federic S. Fay Memorial Lecture, University of Massachusetts Medical School (UMass), Worcester, USA
- 2016 YIN Lecture, Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany
- 2017 Lars Onsager Lecture, Norwegian University of Science and Technology (NTNU), Trondheim, Norway
- 2018 George B. Kistiakowsky Lecture, Harvard University, USA

Academies

- 2007 Goettingen Academy of Sciences and Humanities
- 2009 Heidelberg Academy of Sciences and Humanities
- 2012 Romanian Academy
- 2013 Leopoldina German National Academy
- 2014 Norwegian Academy of Science and Letters
- 2016 National Academy of Sciences (NAS), USA
- 2016 German Academy of Science and Engineering (acatech)
- 2019 Pontifical Academy of Sciences (PAS)

Other Elected Memberships

- Since 2014 Membership of honor of the German Bunsen Society for Physical Chemistry
- Since 2014 Optical Society of America (OSA), Lifetime Membership
- Since 2014 Honorary Member of the European Physical Society (EPS)
- Since 2014 Honorary Fellow of the Royal Society of Chemistry (RSC)
- Since 2016 Honorary Member of the Deutsche Gesellschaft für angewandte Optik (DgaO)
- Since 2017 Honorary Fellow of the Royal Microscopy Society (RMS)
- Since 2018 Fellow of the American Association for the Advancement of Science (AAAS)

Editorial / Advisory Boards

- 1995 – Journal of Biomedical Optics (US)
- 1997 – 1998 Bioimaging (Associate Editor)
- 1999 – 2002 Review of Scientific Instruments (US)
- 2000 – Journal of Microscopy (UK)
- 2002 – 2003 Single Molecules
- 2002 – Journal of Fluorescence (US)
- 2002 – 2007 Optics Express (US)
- 2005 – Journal of Structural Biology (Guest Editor)
- 2007 – Journal of Structural Biology
- 2007 – Journal of Biophotonics
- 2009 – Journal of Biomedical Optics
- 2010 – Biomedical Optics Express
- 2010 – ChemPhysChem
- 2011 – Optical Nanoscopy (Editor-in-Chief)

2012 - Annalen der Physik
2016 - Physical Chemistry Chemical Physics, PCCP (Honorary Board Member)

Selected honorary activities in Academics, Society and Politics

Since 2003 Board of directors, Laser Laboratorium Göttingen e.V
Since 2003 European Neuroscience Institute (ENI), Göttingen, Associate Member,
Since 2005 Secretary of the International Society on Optics Within Life Sciences (OWLS)
2007 – 2009 Board of trustees, Niedersachsen Foundation for Innovation
Since 2009 Spokesperson of the CNMPB (DFG Research Center Molecular Physiology of the Brain)
Goettingen
2014 – 2019 Board of trustees Heidelberg Institute for Theoretical Studies (HITS)
Since 2015 Hector Fellow Academy jury member
Since 2015 Member of the International Jury of the Austrian Science Fund (FWF): START
Programme and Wittgenstein Prize
Since 2017 Member of the Solvay International Scientific Committee for Chemistry
Since 2017 Kavli Oversight Committee (KOS)
Since 2017 Member of the STROBE External Advisory Board, NSF-Project
Since 2018 Board of trustees Austrian Academy of Sciences (ÖAW)