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Professional Work Experience USA

- Director, Department of Plant Biology, Carnegie Institution for Science; 2009-
- Full Professor, Biology Department, Stanford University; since 2011
- Acting Director, Department of Plant Biology, Carnegie Institution for Science; 2007-2009
- Staff Member, Department of Plant Biology, Carnegie Institution for Science; since 2003
- Vice President, Feedstocks Division, JBEI (Joint Bioenergy Institute; www.jbei.org), Emeryville, CA; 2007-2009
- Visiting Faculty, Laurence Berkeley National Laboratories, Berkeley, CA; since 2007
- Bio-X affiliated Faculty, Stanford University; since 2006
- Adjunct Professor, Biology Department, Stanford University; 2004-2011

Professional Work Experience Germany

- Full Professor, Chair of Plant Physiology, Eberhard-Karls-Universität Tübingen (department with 5 professors and a total of 80 employees; 1996-2003)
- Cofounder and Director of Center for Plant Molecular Biology Tübingen (ZMBP, supported by Ministry for Science & Education, Baden-Württemberg; 150 employees); 1997 –2001
- Head of an Independent Young Investigator Group at the Genzentrum Berlin funded by BMBF, Institut für Genbiologische Forschung, Berlin; 1992–1996
- Head of a research group in the department of Prof. Dr. L. Willmitzer, Institut für Genbiologische Forschung, Berlin; 1990–1991
- Postdoctoral fellow at the Institut für Genbiologische Forschung, Berlin, Germany (Prof. Dr. L. Willmitzer); 1988–1989
- Short postdoctoral fellowship at the Institute for Plant Physiology, Academia Sinica, Shanghai, China (Prof. Dr. M.M. Hong); 10/1987 – 12/1987

University Education

- Habilitation and *venia legendi* for Plant Physiology, Faculty for Biology, Free University of Berlin, Germany; 1994
- Dissertation (Dr. rer. nat.) at the Institute for Genetics (Prof. Dr. P. Starlinger), University of Köln, Germany; 1983-1987
- Masters thesis (Dipl. Biol.) at the Institute for Genetics (Prof. Dr. P. Starlinger), University of Köln, Germany; 1982-1983
- Study of biology at the University of Köln, Germany (Genetics, Botany and Biochemistry); 1977-1981

Graduate Education and Undergraduate Honors Education

- Graduate class: Cell Biology of Physiological Processes (MCP221), Stanford University; 2005-2009, 2011
- Supervision of 35 Ph.D. dissertations; 1996-
- Supervision of 28 M.Sc. theses (diploma); 1989 to 2009
- Supervision of 7 theses for teachership (Staatsexamensarbeiten); 1997 -2003
- Responsible for teaching Plant Physiology, University Tübingen; 1996-2003

Publications and Patents

- over 230 publications
- over 30 patents/patent applications

Service Tasks

- Various service tasks at the University of Tübingen (Faculty Board, Selection Committees) and Stanford University (Selection Committee)
- Member of Wissenschaftliche Kommission "Forschungsevaluation an Niedersächsischen Hochschulen und Forschungseinrichtungen" 2000/2001 (Commission for the Evaluation of Biological Research at Universities of the State of Niedersachsen, Germany)
- Editorial Boards: Advisory Board, The Plant Journal (1998-2003), Trends in Plant Science (1998-2002); Guest Editor: Curr. Opin. Plant Biotechnol., Annu. Rev. Plant Biol. (2003, 2004); Co-Editor J. Plant Physiol. (1996-1998); Co-Editor The Plant Cell (1998-2006); Section Editor Plant Biology (2000-2003); Co-Editor J. Biol. Chem. (2004-2006); Editorial Board: Plant Methods (since 2004); Editorial Board Annual Rev. Plant Biol. (since 2007); Editorial Board BMC Biol. (since 2009); Editor-in-Chief Frontiers in Plant Physiology (2009-2012); Guest Editor Curr. Opin. Plant Biology (2010). Editor-in-Chief Frontiers in Plant Science (2010-2012); Section Head, "Plant Physiology and Biochemistry" of Faculty of 1000 (since 2001; www.facultyof1000.com)
- Member, North American Arabidopsis Steering Committee (NAASC) 2008-2013; Organizer 4th Pan American Plant Membrane Biology Workshop, Asilomar 2012.
- Reviewer for various international journals (Nature, Cell, Science, Proc. Natl. Acad. Sci. USA, EMBO J., Plant Cell, Planta, Plant Mol. Biol., Plant Physiology etc.)
- Reviewer for research foundations (e.g. NIH ad hoc panel CDF3, 2004; NIH panel MDCN-K(54) 2005, 2006; DOE panel 2006; NIH EUREKA-Review Committee 2009; NSF panels IOS, MCB 2011); German Research Foundation including SFB panels; Volkswagenstiftung, Germany; Swiss National Fund; ULB Bruxelles, Belgium; Israel; Finland; Danish Research Agency; AFRC/BBSRC UK; NSF, USDA, DOE - USA; ARC Australia; New Zealand, various tenure evaluations (Stanford, ETHZ, etc)
- Scientific Advisory Board of the Joint Bioenergy Institute, Emeryville (2009); Board of Directors JBEI (since 2009); Scientific Advisory Board of the Max Planck Institute for Developmental Biology, Tübingen; www.eb.tuebingen.mpg.de/ (2003-2008); Advisory Committee Academia Sinica, Taipei 2006; Advisory Board of Metacyc, SRI, Stanford; http://metacyc.org/ (2004-2010); Member of Plant Metabolic Network (PMN)'s editorial board (since 2007); Keystone Conferences, Adv. Board (2010).

Biotechnology

- Founder of the biotechnology company SYMPORE GmbH, Tübingen; 2000-2004
- Scientific Advisor to SYMPORE GmbH; 2000-2002
- Business Advisory Board Member SYMPORE GmbH; 2001-2004

Memberships

- American Association for the Advancement of Science (AAAS)
- American Society Plant Biology (ASPB)

Awards

- Young Investigator Award; 1992 (Nachwuchsgruppe am Genzentrum Berlin, Institut fuer Genbiologische Forschung)
- Gottfried-Wilhelm-Leibniz Award from Deutsche Forschungsgesellschaft; 1998, www.dfg.de/en/news/scientific_prizes/leibniz_preis/
- Körber Award for European Science; 2001, www.koerber-stiftung.de/english/grants_and_cooperations/european_science_award/index.html
- Fellow of American Association for the Advancement of Science AAAS; 2003, http://php.aaas.org/about/aaas_fellows/index.php
- ISI Highly Cited; 2009
- Laurence Bogorad Award for Excellence in Plant Biology, 2012

Calls received

- 1995 Chair Biochemistry of Plants; University Bochum (rejected)
- 1995 Chair Plant Physiology, University Tübingen
- 1995 Professorship, Plant Biochemistry, University Würzburg (rejected)
- 2000 Professorship, UC Davis (rejected)
- 2002 Staff Member, Carnegie Institution for Science, Stanford