

CURRICULUM VITAE

Julia A. Vorholt, PhD

Full Professor of Microbiology, ETH Zurich, Switzerland

Date of birth September 15, 1969 - Düren (Germany)

Family status married, two children (16 and 20 y)

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URL for web site: <http://www.micro.biol.ethz.ch/research/vorholt>

EDUCATION

- 1994-1997 **PhD** (Dr. rer. rat.) Max-Planck-Institute for Terrestrial Microbiology, Marburg, Germany
Supervisor: Prof. R. Thauer. "Summa cum laude"
- 1991-1994 **Master** of Science Biology (Diplom) at the Philipps University, Marburg, Germany
- 1989-1991 Undergraduate studies Biology (Vordiplom) at the University of Bonn, Germany

ACADEMIC POSITIONS

- Since 2012 **Full Professor** of Microbiology at ETH Zurich, Switzerland
- 2006-2012 **Associate Professor** of Microbiology at ETH Zurich, Switzerland
- 2001-2006 **Independent Group leader** CNRS (Laboratoire des Interactions Plantes Microorganismes), Toulouse, France (exchange program Max-Planck-Society/CNRS)
- 2002 Habilitation in Microbiology. Philipps-University, Marburg, Germany
- 1999-2001 **Group leader**, Max-Planck-Institute for Terrestrial Microbiology, Marburg, Germany
- 1998 **Postdoc**, University of Washington, Seattle, USA (Supervisor: Prof. M.E. Lidstrom)

AWARDS

- 2020 ERC Advanced Grant (SYMBIOSES)
- 2019 Elected member of the European Molecular Biology Organisation (EMBO)
- 2015 Elected member of the European Academy of Microbiology
- 2015 ERC Advanced Grant (PhyMo)
- 2012 Elected member of the German National Academy of Sciences Leopoldina
- 2012 "Researcher of the Month", Foundation Gen Suisse
- 2005 Phyllosphere 50th Anniversary conference presentation award, Oxford
- 1999 PhD thesis award of the German Society for General and Applied Microbiology (VAAM)
- 1998 Otto-Hahn medal of the Max-Planck-Society for outstanding young scientists

INSTITUTIONAL AND ACADEMIC RESPONSIBILITIES

- Since 2020 Director of Studies Department of Biology, ETH Zurich
- Since 2020 Co-Director NCCR Microbiomes
- Since 2018 Initiator and coordinator of the biology curriculum reform "Biology according to first principles" (*de novo* design of the BSc biology curriculum ETH Zurich D-BIOL)
- 2018-2020 Chair, Institute of Microbiology, ETH Zurich
- 2018-2020 Postdoc mentor / career advisor Scientific Staff Association of D-BIOL, ETH Zurich
- Since 2017 Head Operational Steering committee Functional Genomics Center Zurich (FGCZ) (ETH Zurich and University of Zurich)
- Since 2015 Member of Teaching Commission D-BIOL, ETH Zurich
- 2014-2019 Study advisor Microbiology and Immunology, D-BIOL, ETH Zurich
- 2014-2018 Member of Steering board Center for Adaptation to Changing Environments, ETH Zurich
- 2014-2017 Member of Steering board Genetic Diversity Center, ETH Zurich
- 2010-2012 Chair, Institute of Microbiology, ETH Zurich

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- Since 2006 16 postdocs; 26 PhD students as supervisor (three obtained the ETH medal for their outstanding PhD work) and 42 as committee member; 27 master theses and 50 semester theses (ETH Zurich, Department of Biology, Switzerland)
- 2001 - 2006 2 postdocs, 2 PhD students, 2 master theses (CNRS / Université Paul Sabatier Toulouse)
- 1998 - 2001 2 PhD students (MPI Marburg / Philipps University Marburg, Germany)

ORGANIZATION OF INTERNATIONAL SCIENTIFIC MEETINGS

- 2019 Co-Chair Banbury meeting The Plant Microbiota (Cold-Spring Harbor Laboratory), New York, USA
- 2017 Chair EMBO conference Bacterial Networks, Sant Feliu, Spain
- 2017 Co-Organizer EMBO Plant Microbiota workshop, Cologne, Germany
- 2015 Co-Chair ESF/EMBO conference Bacterial Networks, Sant Feliu, Spain
- 2015 Chair 10th International Symposium on Phyllosphere Microbiology, Monte Verità, Switzerland
- 2012 Chair Gordon Research Conference "Molecular basis of microbial one carbon metabolism", USA
- 2010 Co-Chair Gordon Research Conference "Molecular basis of microbial one carbon metabolism", USA

EDITOR AND EDITORIAL BOARDS

- Since 2014 Microbiology and Molecular Biology Reviews (MMBR) (Editor)
- Since 2013 ISME J. (Editorial Board)
- Since 2013 Applied and Environmental Microbiology (Editorial Board)
- Since 2011 Environmental Microbiology (Editorial Board)
- 2017-2018 Current Opinion Microbiology (Guest Editor)
- 2006-2013 Microbiology (Editor)

REVIEWING ACTIVITIES AND SCIENTIFIC ADVISORY BOARDS

- Since 2014 Swiss National Science Foundation (SNSF) committee Advanced Postdoc program
- Since 2013 AgBiome, Raleigh, North Carolina, USA
- Since 2012 Max-Planck-Institute for Marine Microbiology, Bremen, Germany
- Since 2010 Cytosurge AG, Zurich, Switzerland
- 2008-2017 German Collection for Microorganisms and Cell Cultures (DSMZ), Braunschweig, Germany
- 2008-2014 Selection Panel, German Research Foundation (DFG); Priority program "Biological transformations of hydrocarbons in the absence of oxygen"

INTERNATIONAL BOARDS AND MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- Since 2019 Elected member Board of Directors of the Internatl. Society for Molecular Plant Microbe Interactions (MPMI)
- Since 2017 Elected member Board of Directors of the Internatl. Society for Microbial Ecology (ISME)
- Since 2012 Member of AcademiaNet, Expert Database of Outstanding Female Scientists and Scholars
- Since 2007 Member of the International Society for Molecular Plant Microbe Interactions (MPMI)
- Since 2006 Member of the Swiss Society for Microbiology (SGM/SSM)
- Since 1998 Member of the American Society for Microbiology (ASM)
- Since 1994 Member of the German Society for General and Applied Microbiology (VAAM)

INVITED LECTURES (*selection 2017-2021*):

Harnessing the Plant Microbiome - Nature Conference, virtuell - host UCDavis, USA, 2021 • **EMBO EMBL Symposium: New Approaches and Concepts in Microbiology**, virtuell - host EMBL, 2021 • **CSHL Single Cell Analyses Meeting**, New York, USA, 2019 • **EMBO conference Bacterial Networks**, Sant Feliu, Spain, 2019 • **Engineering Life**, Dresden, Germany, 2019 • **Molecular Plant Microbe Interactions**, Glasgow, UK, 2019 • **FEMS Microbiology congress**, Glasgow, UK, 2019 • **SEB meeting**, Sevilla, Spain, 2019 • **International Scanning Probe Microscopy ISPM**, Louvain-La-Neuve, Belgium, 2019 • **Banbury meeting**, Cold Spring Harbor Laboratories, New York, 2019 • **One2many**, Weizmann Institute, Israel, 2018 • **How microbes view their world**, Marburg, Germany, 2018 • **Collège de France**, Paris, 2018 • **2nd International Plant Microbiome Symposium**, Amsterdam, The Netherlands, 2018 • Learning session "Plant Microbiomes" **Bill Gates**, Seattle, USA, 2018 • **Gordon Research Conference "Applied and Environmental Microbiology"**, Mount Holyoke, USA, 2017 • Plenary Lecture, **American Society for Microbiology (ASM) General Meeting**, New Orleans, USA, 2017 • **VIB conference**, Frontiers in Plant Biology, Ghent, Belgium, 2017 • **Novo Nordisk conference**, Data-driven Biotechnology conference, Copenhagen, Denmark, 2017

PUBLICATIONS

h-index (Web of Science (scholar)): 56(67); i10-index 149; total 11'386(16'789)

including Nature, Science, Cell, Nature Biotechnology, Nature Microbiology, Nature Metabolism, Nature Genetics, Nature Methods, Nature Chemical Biology, Nature Communications, Nature Structural Molecular Biology, PNAS, Cell Host Microbe, Current Biology, Plos Genetics, ISME J.