

Curriculum vitae

Prof. Dr. rer. nat. Stefan A. Rensing

born: June 1967 married, two children fon +49 6421 28-21940	Department of Biology, University of Marburg, Germany stefan.rensing@biologie.uni-marburg.de
---	--



Scientific education

Institution	Degree	Year(s)	Field of Study	Supervised by
University of Freiburg	Diploma (Biology)	1986-1993	Cell Biology	P. Sitte / U.-G. Maier
University of Freiburg	Dr. rer. nat.	1993-1995	Cell Biology	P. Sitte / U.-G. Maier
University of Freiburg	Habilitation	2007	Bioinformatics/Systems Biology	

Positions

1995 - 1996	PostDoc, University of Bayreuth (Prof. U.-G. Maier) <i>Cell biology and molecular phylogeny of Cryptophyceae</i>
1996 - 1998	PostDoc, University of Freiburg (Prof. G. Neuhaus) <i>[Ca²⁺] Signal transduction in soybean suspension culture cells</i>
1998 - 1999	PostDoc, Federal Institute for Viticulture (Dr. H.-H. Kassemeyer) <i>Hibernation and control of grapevine powdery mildew</i>
1999 - 2003	Senior scientist and lab head, BASF Plant Science / University of Freiburg (Prof. R. Reski) <i>Functional genomics using the moss Physcomitrella patens</i>
2003 - 2007	Group leader Computational Biology, University of Freiburg (Prof. R. Reski) <i>Transcriptome and genome annotation of P. patens, comparative genomics, phylogenomics</i>
2007 - 2008	Head Core Facility Data Management, Freiburg Initiative for Systems Biology (FRISYS)
2007 - 2011	Lecturer Bioinformatics and Systems Biology, University of Freiburg (FRISYS)
2010 - 2012	Prof. (adj.) for Bioinformatics and Systems Biology, University of Freiburg
since 2012	Visiting scientist, Institute of Biology II, University of Freiburg
2012 - 2019	Prof. (W2) for Plant Cell Biology, University of Marburg
2018	Declined call to University College London, Quain Chair of Botany
since 2019	Prof. (W3) for Plant Cell Biology, University of Marburg
since 2019	Vice Dean, Department of Biology, University of Marburg

Website

<http://plantco.de>

Scientific activities

Technology transfer

1997 - 2003	CEO of dnaX, production of embedded DNA pendants
2006 - 2008	Scientific consultant of dnaX/Dr. Vogts Forschung
2008	Patent "Galactosyltransferase", WO 2008/037490
since 2011	CEO of evermoss, production of ornamental mosses
2020	Patent "Capsaicin", submitted, EP 20190931.4

Service provision/organization

2003 - 2010	Providing the <i>Physcomitrella patens</i> resource, www.cosmoss.org
2004	Organization of the international <i>Physcomitrella</i> meeting, MOSS 2004
2008 - 2010	Organization of the international <i>Physcomitrella</i> genome workshop
2010 - 2020	Organization of a workshop at the International Plant and Animal Genome, San Diego
2011	Organization of the international <i>Physcomitrella</i> meeting, MOSS 2011
2015 - 2019	Organization of international Black Forest Summer Schools
2014	Organization of the XVI. Annual Meeting of the International Society of Endocytobiology – German Section (ISE-G)
2019	Organization of the Molecular Biology of Plants meeting (Dabringhausen)
2020	Organization of the SPP 2237 MAdLand workshop and kickoff meeting

Peer reviews and editing

Journal reviews e.g. for Bioinformatics, BMC Bioinformatics/Evol Biol/Genomics/Plant Biol, Cell, Current Biology, Genome Biol, Genome Biol Evol, J Exp Bot, J Mol Evol, Mol Biol Evol, Mol Plant, Nature/Nature Plants, New Phytologist, Plant Cell, Plant J, Plant Physiol, Planta, PNAS, Science; Associate Editor, BMC Plant Biology & Frontiers in Plant Science, Development and EvoDevo; grant reviews e.g. for BBSRC, CNRS/ANR, DFG, ERA, GIF, Marsden, NSF.

Membership in scientific societies

American Society of Plant Biologists (**ASPB**), Deutsche Botanische Gesellschaft (**DBG**), European Plant Science Organisation (**EPSO**), International Association of Bryologists (**IAB**), International Society of Endocytobiology (**ISE**), German Life Science Association (**VBIO**).

President of the international molecular moss science society (**iMOSS**).

Speaker of the section Plant Physiology and Molecular Plant Biology of the **DBG**.

Affiliation with scientific consortia

Member of the Marburg LOEWE center for synthetic microbiology (**SYNMIKRO**) and associated member of the Freiburg Centre for biological signalling studies (**BIOSS**) & the Center for Biological Systems Analysis (**ZBSA**). Management committee of COST action Morphogenesis in Macroalgae (**Phycomorph**); PI of ERA-CAPS project **SeedAdapt** and ITN **EpiDiverse**.

Coordinator of the DFG Priority Programme 2237, **MAdLand** — Molecular Adaptation to Land: plant evolution to change, **coordinator** of the international *Physcomitrella patens* flagship genome project.

Genome Consortia: *Azolla filiculoides**, *Bigeloviella natans**, *Ceratodon purpureus*, *Ceratopteris richardii*, *Chara braunii**, *Chondrus crispus**, *Chlorella ohadii*, *Cyanophora paradoxa**, *Ectocarpus siliculosus**, *Emiliania huxleyi**, *Funaria hygrometrica*, *Rhizophagus irregularis**, *Guillardia theta**, *Physcomitrium patens**, *Selaginella moellendorffii**, *Sphagnum* sp., *Takakia lepidozioides*, *Ulva mutabilis**, *Volvox carteri**; (* = published).

Collaboration partners (running projects only)Germany

Bange, Gert, University of Marburg	
Batschauer, Alfred, University of Marburg	
Becker, Annette, University of Gießen	
Bremer, Erhard, University of Marburg	
Heer, Katrin, University of Marburg	o
Hiltbrunner, Andreas, University of Freiburg	
Kahmann, Regine, University of Marburg	
Nakagami, Hirofumi, MPIZ Cologne	
Opgenoorth, Lars, University of Marburg	o
Quint, Marcel, University of Halle	
Schubert, Hendrik, University of Rostock	
Theißen, Günter, University of Jena	-
von Schwartzberg, Klaus, University of Hamburg	
Zachgo, Sabine, University of Osnabrück	

International

Cuming, Andrew, University of Leeds, UK	*+	* <i>P. patens</i> genome
Dolan, Liam, University of Oxford, UK	+	- ERA-CAPS SeedAdapt
Goodstein, David, Joint Genome Institute, USA	*	o ITN EpiDiverse
He, Yikun, Capital Normal University Beijing, China	+	+ other (genome) consortia
Kaplan, Aaron, The Hebrew University of Jerusalem, Israel	+	
Langdale, Jane, University of Oxford, UK	+	
Leebens-Mack, James, University of Georgia, USA		
Leubner, Gerhard, Royal Holloway University of London, UK	-	
Martin, Francis, INRA Nancy, France	+	
McDaniel, Stuart, University of Florida, USA	*+	
Mittelsten-Scheid, Ortrun, Gregor Mendel Institute, Austria	-	
Nishiyama, Tomoaki, Kenzawa University, Japan	*+	
Schmutz, Jeremy, Hudson alpha/Joint Genome Institute, USA	*+	
Schranz, Eric, Wageningen University, The Netherlands	-	
Sessa, Emily, University of Florida, USA	+	
Shaw, Jon, Duke University, USA	+	
Szovenyi, Peter, University of Zurich, Switzerland	+	
Tuskan, Gerald, Oak Ridge National Laboratory, USA	*	
Vandepoele, Klaas, University of Gent, Belgium	*+	
Van de Peer, Yves, University of Gent, Belgium	*+	
Verhoeven, Koen, University of Wageningen, The Netherlands	o	
Weston, David, Oak Ridge National Laboratory, USA	-	
Wong, Gane Ka-Shu, University of Alberta, USA		