

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

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Scientific education

<i>Institution</i>	<i>Degree</i>	<i>Year(s)</i>	<i>Field of Study</i>	<i>Supervised by</i>
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	<i>Habilitation</i>	2007	Bioinformatics/Systems Biology	Maier

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
2019 - 2022	Prof. (W3) for Plant Cell Biology, University of Marburg
2019 - 2020	Vice Dean, Department of Biology, University of Marburg
2020 - 2021	Dean, Department of Biology, University of Marburg
since 2021	Vice president for research and innovation, University of Freiburg
since 2022	Prof. (W3) for Data integration and systems modelling of eukaryotic model organisms, University of Freiburg (currently on leave)

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
2011 - 2021	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> online resource
2004	Organization of the international <i>Physcomitrella</i> meeting, MOSS 2004
2008 - 2010	Organization of the international <i>Physcomitrella</i> genome workshop
2010 - 2022	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 -2022 Organization of the SPP 2237 MAdLand workshop and kickoff meeting

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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, The Plant Journal, 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

Associated member of the Freiburg Centre for biological signalling studies (**BIOSS**).

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**, *Emiliana huxleyi**, *Funaria hygrometrica*, *Rhizophagus irregularis**, *Guillardia theta**, *Physcomitrium patens**, *Selaginella moellendorffii**, *Sphagnum* sp., *Takakia lepidozoides*, *Ulva mutabilis**, *Volvox carteri**; (* = published).