

Curriculum vitae

PD Dr. rer. nat. Stefan A. Rensing



born: June 09 th 1967 married, one child fon +49 761 203-6974	Faculty of Biology, University of Freiburg, Germany rensing@uni-freiburg.de
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Scientific education

Institution and Location	Degree	Year(s)	Field of Study
University of Freiburg, Germany	Diploma	1986-1993	Biology
University of Freiburg, Germany	Dr. rer. nat.	1993-1995	Cell Biology

Positions

1995 - 1996	PostDoc, University of Bayreuth <i>Cell biology and molecular phylogeny of Cryptophyceae</i>
1996 - 1998	PostDoc, University of Freiburg <i>[Ca²⁺] Signal transduction in soybean suspension culture cells</i>
1998 - 1999	PostDoc, Federal Institute for Viticulture <i>Hibernation and control of grapevine powdery mildew</i>
1999 - 2003	Senior scientist and lab head, BASF Plant Science / University of Freiburg <i>Functional genomics using the moss <i>Physcomitrella patens</i></i>
2003 - 2007	Group leader Computational Biology, University of Freiburg <i>Transcriptome and genome annotation of <i>P. patens</i>, comparative genomics, phylogenomics</i>
2007 - 2008	Head Core Facility Data Management, Freiburg Initiative for Systems Biology (FRISYS)
since 2007	Lecturer Bioinformatics and Systems Biology, University of Freiburg (FRISYS) <i>(Habilitation in Comparative Genomics 2007)</i>

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

Committees

since 2007	Elected member of the Faculty Council (Faculty of Biology)
since 2007	Chairman of the IT commission of the Faculty of Biology
since 2008	Person in charge for computer pools of the Faculty of Biology

Service provision/organization

since 2003	Providing the <i>Physcomitrella patens</i> resource, www.cosmoss.org
2004	Organization of the international <i>Physcomitrella</i> meeting, MOSS 2004
since 2008	Organization of the annual international <i>Physcomitrella</i> genome workshop

Peer reviews

e.g. for Bioinformatics, BMC Bioinformatics/Evolutionary Biology/Genomics, GIF, J Mol Evol, Mol Biol Evol, Mol Genet Genom, Mol Plant, National Science Foundation (USA, France), Plant Cell, Plant Physiol, Planta, PNAS

Membership in scientific societies:

American Society of Plant Biologists (**ASPB**), Deutsche Botanische Gesellschaft (**DBG**; Sektion Pflanzenphysiologie & Phykologie), **DECHEMA** Sektion Biotechnologie, European Plant Science Organisation (**EPSO**), AK Evolutionsbiologie/**VBIO**, International Association of Bryologists (**IAB**), International Society of Endocytobiology (**ISE**), Society for Molecular Biology and Evolution (**SMBE**), Wissenschaftliche Gesellschaft in Freiburg

Affiliation with scientific consortia:

Cluster of excellence in biological signalling studies (**bioSS**), Freiburg Initiative in Systems Biology (**FRISYS**), Center for Systems Biology (**ZBSA**), Graduate school "Signal systems in plant model organisms" (**GRK 1305**); **Genome Consortia:** *Ceratodon purpureus*, *Ectocarpus siliculosus*, *Emiliana huxleyi*, *Glomus intraradices*, *Physcomitrella patens*, *Selaginella moellendorffii*, *Volvox carteri*

Collaboration partners

Faculty of Biology, University of Freiburg

W. Frank, T. Laux, K. Palme, R. Reski, T. Speck, R. Ulm

University of Freiburg

R. Backofen, Faculty of Engineering

H. Busch, Freiburg Institute for Advanced Studies

P. Pfaffelhuber, Faculty of Mathematics and Physics

J. Timmer, Faculty of Mathematics and Physics

Germany

P. Franken, IGZ Großbeeren

B. Hause, IPB Halle

A. Heyl, Free University of Berlin

A. Hiltbrunner, University of Tübingen

U. Hoecker, University of Cologne

A. Hohe, Institute of Vegetable and Ornamental Crops, Erfurt

V. Knoop, University of Bonn

O. Kohlbacher, University of Tübingen

H. Küster, University of Bielefeld

M. Lohr, University of Mainz

U.-G. Maier, University of Marburg

B. Mueller-Roeber, Potsdam

D. Quandt, University of Bonn

K. von Schwartzberg, University of Hamburg

K. Valentin, Alfred Wegener Institute Bremerhaven

W. Werr, University of Cologne

International

J. Banks, Purdue University / *Selaginella* genome consortium (USA)

J.M. Cock, Station Biologique Roscoff / *Ectocarpus* genome consortium (France)

A.C. Cuming, University of Leeds (UK)

M. Hasebe, National Institute for Basic Biology (Japan)

E. Lam, Rutgers University (USA)

M. Lawton, Rutgers University (USA)

F. Martin, INRA Nancy / *Glomus* genome consortium (France)

S. McDaniel, University of Florida (USA)

R.S. Quatrano, Washington University / *Physcomitrella* & *Ceratodon* genome consortium (USA)

B. Read, California State University / *Emiliana* genome consortium (USA)

D. Rokshar, Joint Genome Institute / *Physcomitrella*, *Ceratodon* & *Volvox* genome consortium (USA)

P. Rushton, University of Virginia (USA)

Y. Van de Peer, University of Gent (Belgium)

A. Worden, Monterey Bay Aquarium Research Institute (USA)

Teaching activities

Curricula: B.Sc. Biology, M.Sc. Bioinformatics and Systems Biology, post-graduates

Venia legendi in Bioinformatics and Systems Biology since 2007 (Faculty of Biology, University of Freiburg)

Type	Title	Lecturer(s)	ECTS	SS	WS
Lecture	Bioinformatics: Genome Evolution, Sequence Analysis, Genomics, Phylogeny	Rensing, S.	2		x
Lecture	Introduction to Systems Biology	Rensing, S. and others	6		x
Lecture	Mathematics for Bioinformatics and Systems Biology	Rensing, S. and others	6		x
Lecture	Molecular Plant Sciences	Rensing, S. and others	4		x
Lecture	Comparative Genomics	Rensing, S.	4	x	
Seminar	Bioinformatics: Genome Evolution, Sequence Analysis, Genomics, Phylogeny	Rensing, S.	2		x
Practical Course	Analysis of Sequence Data	Rensing, S.	1		x
Practical Course	Introduction in Statistics for Life Sciences	Rensing, S.	3	x	x
Post graduate retreat	Computational Biology (Sequence Analysis and Evolution)	Rensing, S.	4		x
Practical Course	High-Throughput Methods for Systems Biology: Transcriptomics (Expression Profiling and Deep Sequencing)	Rensing, S.	5	x	x
Practical Course	Team Project	Rensing, S.	10	x	x