

Curriculum Vitae - STEFAN RAUNSER

PERSONAL INFORMATION

Family name, First name: Raunser, Stefan

Researcher unique identifier(s): ORCID 00000-0001-9373-3016

Nationality: German

Date of birth: June 23, 1976

URL for web site: <http://www.mpi-dortmund.mpg.de/forschung/strukturbiochemie>

EDUCATION

2001 – 2004 PhD in Biochemistry, University of Frankfurt (Germany), Supervisor: Dr. Werner Kühlbrandt, Max Planck Institute of Biophysics, Frankfurt (Germany)

1995 – 2000 Diploma degree (equivalent to M.Sc.) in Biology, University of Mainz (Germany)
First German State Examination in Chemistry and Biology, University of Mainz (Germany)
Supervisor of diploma thesis: Dr. H. Paulsen, University of Mainz (Germany)

1995 Abitur with specialization in Biology, Chemistry and English

CURRENT POSITIONS

2015 – now Honorary Professor, University of Duisburg-Essen (Germany)

2015 – now Adjunct Professor, Technical University Dortmund (Germany)

2014 – now Director, Department of Structural Biochemistry, Max Planck Institute of Molecular Physiology, Dortmund (Germany)

PREVIOUS POSITIONS

2014 Full Professor, Department of Chemistry/Biology/Pharmacy, Freie Universität Berlin (Germany)

2008 – 2013 Independent Group Leader, Department of Physical Biochemistry, 2003-06, Max Planck Institute of Molecular Physiology, Dortmund (Germany)

2005 – 2008 Postdoctoral Researcher in the laboratory of Dr. T. Walz, HHMI, Department of Cell Biology, Harvard Medical School, Boston (USA)

FELLOWSHIPS AND AWARDS

2019 German National Academy of Sciences Leopoldina Member

2018 EMBO Member

2017 Albert Szent-Gyorgyi Lecture Eötvös Loránd – University Budapest

2016 Randall Lecture – King's College London University

2014 ERC Consolidator Grant

2013 Einstein-Professorship of the Einstein Foundation Berlin

2011 – 2014 Member of the "Junges Kolleg" (Academy of Sciences and Arts of Northrhine-Westfalia)

2009 – 2011 Member of the Global Young Faculty; Speaker of the Health group

2008 – 2013 Emmy-Noether Fellowship German Research Foundation (DFG)

2007 – 2008 Fellow of the German Academy of Sciences "Leopoldina"

2005 – 2006 Fellow of Harvard Medical School

2001 – 2004 Fellow of the German National Academic Foundation

1999 Fellow of the Johannes-Gutenberg University Foundation

1998 – 1999 Erasmus Fellow of the European Union

1995 Winner of the "Jugend forscht" competition in Palatinate

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS SINCE 2008:

Post-docs: 13 Alumni + 18 Current

PhD students: 11 Alumni + 8 Current

Master students: 27 Alumni + 1 Current

Bachelor students: 9 Alumni

TEACHING ACTIVITIES

- Involvement in the education of biology lab technicians at our institute (since 2011)
- Lecture series and tutorials in "Structural Biology" and "Chemistry of Membrane Proteins" in the summer and winter semester, respectively (3 hours/weekly each) in the Master's program Chemical Biology at TU Dortmund

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(since 2010)

- Occasional teaching by invitation for students of PhD programs worldwide
- Approximately 6 hours/year of teaching for graduate students at the MPI Dortmund
- More than 100 invited lectures at international meetings or at national or foreign scientific institutions (detailed list available upon request)

ORGANISATION OF SCIENTIFIC MEETINGS

- Erice 2019– Focus Topic: “Cryo 3D Electron Microscopy”, May 31 – June 9, Erice, Italy (co-organizer with Dorit Hanein and Steven Ludtke)
- Mosbacher Kolloquium 2019 – Focus Topic: “High-resolution imaging of cells and molecules”, April 4-6, Mosbach/Baden (co-organizer with Stefan Jakobs)
- 7th Murnau Conference on Structural Biology – Focus Topic: New Frontiers in Structural Biology, September 26-29 2018 (co-organizer with Sebastian Hiller, Oliver Einsle)
- Molecular Basis of Life 2017 - International Fall Meeting of the German Society for Biochemistry and Molecular Biology in Bochum, September 24-27 2017 (member of organizing committee)
- International SPHIRE workshops in Dortmund, May 8-10 2017, Bonn, September 11-12 2017, Houston, November 6-8 2017, and Dortmund, June 11-13 2018 (main organizer)
- 6th Murnau Conference on Structural Biology - Focus Topic: Large Molecular Assemblies, September 14-17 2016 (co-organizer with Sebastian Hiller, Oliver Einsle)
- International Conference “Structural Biology in the BioEconomy” in Cape Town, South Africa, December 1-4 2012 (co-organizer with Trevor Sewell)
- 1st International Symposium on Equitable Global Health in Bochum, October 7-8 2010, (head of organizing committee)

COMMISSIONS OF TRUST

- Ad hoc reviewer for scientific journals and granting agencies, including among others, Cell, Cell Reports, Nature, Nature Structural and Molecular Biology, Nature Methods, Nature Communications, Elife, PNAS, Science, Science Advances, Structure, ERC, Wellcome Trust, DFG, ANR, NIH, SNCF, BBSRC, MRC, ISF, and others
- Member of Appointments Committee of the Max Planck Institutes of Biophysics, Terrestrial Microbiology and Biophysical Chemistry
- Member of Appointments Committees at other institutions, in particular Pasteur Institute Paris, University of Halle, University of Würzburg, TU Dortmund
- Member of the Perspective Committee of the Biology and Medicine Section of the Max Planck Society
- Speaker of the study group Structural Biology of the GBM (together with S. Hiller) (since 2015)
- Member of Scientific Advisory Board Leibniz-Institut für Molekulare Pharmakologie (FMP) Berlin (since 2017)
- Representative of the iNEXT (European infrastructure for NMR, EM and X-rays) user panel (since 2016)
- Member of the Wellcome Trust Expert Review Group: Molecular Basis of Cell Function (since 2018)
- Elected Member of the Fachgruppe Biochemie of the Gesellschaft Deutscher Chemiker (GdCh) (since 2019)

MEMBERSHIP OF EDITORIAL BOARDS OF INTERNATIONAL JOURNALS

- Journal of Muscle Research and Cell Motility
- Journal of the International Union of Crystallography (IUCr)

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- Leopoldina, Nationale Akademie der Wissenschaften
- EMBO
- Scientific Member of the Max Planck Society
- German Society for Biochemistry and Molecular Biology (GBM)
- Verein zur Förderung der biomedizinischen und klinischen Forschung e.V.
- German Chemical Society (GDCh)

MAJOR COLLABORATIONS

My laboratory participated in a large number of collaborations with different international groups, amongst them Andrea Musacchio (MPI Dortmund), Christian Ungermann (Universität Osnabrück), Dietmar Manstein (Medizinische Hochschule Hannover), Klaus Aktories (Universität Freiburg), Pawel Penczek (University of Texas, Houston, USA) and Joseph Mougous (HHMI, University of Washington, USA).

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FURTHER PROFESSIONAL ACTIVITIES

Scientific consultant to major pharmaceutical companies