

Name Prof. Dr. Stefan Raunser
Department Max Planck Institute of Molecular Physiology
Department of Structural Biochemistry
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Education

2001-2004 *Ph.D. 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*

Positions held

2015-present *Honorary Professor, University of Duisburg-Essen (Germany)*

2015-present *Adjunct Professor, Technical University Dortmund (Germany)*

2014-present *Director, Department of Structural Biochemistry, Max Planck Institute of Molecular Physiology, Dortmund (Germany)*

Awards & Honours

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*

Current editorial boards

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

Selected committee work

Scientific Member of the Max Planck Society

American Biophysical Society

German Biophysical Society

German Society for Biochemistry and Molecular Biology (GBM)

Verein zur Förderung der biomedizinischen und klinischen Forschung e.V.

Five selected (recent) publications

1. Merino F, Pospich S, Funk J, Wagner T, Küllmer F, Arndt HD, Bieling P, **Raunser S** (2018) Structural transitions of F-actin upon ATP hydrolysis at near-atomic resolution revealed by cryo-EM. **Nat Struct Mol Biol**. (Epub ahead of print)
2. Vinayagam D, Mager T, Apelbaum A, Bothe A, Merino F, Hofnagel O, Gatsogiannis C, **Raunser S** (2018) Electron cryo-microscopy structure of the canonical TRPC4 ion channel. **eLife**. 7:e36615.
3. Pospich S, Kumpula EP, von der Ecken J, Vahokoski J, Kursula I, **Raunser S** (2017) Near-atomic structure of jasplakinolide-stabilized malaria parasite F-actin reveals the structural basis of filament instability. **Proc Natl Acad Sci USA**. 114(40):10636-10641.
4. Gatsogiannis C, Merino F, Prumbaum D, Roderer D, Leidreiter F, Meusch D, **Raunser S** (2016) Membrane insertion of a Tc toxin in near-atomic detail. **Nat Struct Mol Biol**. 23(10):884-890.
5. von der Ecken J, Heissler SM, Pathan-Chhatbar S, Manstein DJ, **Raunser S** (2016) Cryo-EM structure of a human cytoplasmic actomyosin complex at near-atomic resolution. **Nature**. 534(7609):724-8.