

Name Juergen M. Plitzko
Department Max Planck Institute of Biochemistry
Molecular Structural Biology
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Education

- 1998 *Dr. rer. nat., Chemistry, Max Planck Institute of Metals Research, Stuttgart, Germany*
1994 *Diploma in Mineralogy&Physics, University of Tuebingen, Germany*
1991 *Vordiploma in Mineralogy, University of Tuebingen, Germany*

Positions held

- 2016-present *Research group leader (W2), Head of the cryo-EM group, Max Planck Institute of Biochemistry, Martinsried, Germany*
2013-2016 *Full Professor, Chair of biomolecular electron microscopy, Head cryo-EM group; Bijvoet Center for Biomolecular Research, Utrecht University, Utrecht, The Netherlands*
2012-2015 *Consulting Group leader, cryo-EM; Central European Institute of Technology (CEITEC), Masaryk University, Brno, Czech Republic*
2002-2012 *Project group leader, Head of the EM group; Department of Molecular Structural Biology, Max Planck Institute of Biochemistry, Martinsried, Germany*
2000-2002 *Deputy manager of the recharge TEM/SEM & X-ray characterization facility; Lawrence Livermore National Laboratory (LLNL), Livermore, CA, USA*

Awards & Honours

Ernst Ruska Prize of the German Society of Electron Microscopy (2015)

Current editorial boards

Journal of Structural Biology, Ultramicroscopy

Selected committee work

- 2018-present *Director evaluation committee MPI for Molecular Physiology, Dortmund, Germany*
2017 *BMBF-Selection committee for junior research group leaders at the ZIK HALOmem, Halle - Wittenberg, Germany*
2016-present *Member of the scientific advisory board of the Czech infrastructure for integrative structural biology (CIISB), Brno, Czech Republic*

Five selected (recent) publications

- Bernecky C, Herzog F, Baumeister W, **Plitzko JM** and Cramer P. Structure of transcribing mammalian RNA polymerase II. **Nature** 2016, 529, 551–554.
- Mahamid J, Pfeffer S, Schaffer M, Danev R, Villa E, Hyman AA, **Plitzko JM** and Baumeister W. Visualizing the molecular sociology at the HeLa cell nuclear periphery. **Science** 2016, 351 (6276), 969-972.
- Arnold J, Mahamid J, Lucic V, DeMarco A, Fernandez J-J, Laugks T, Mayer T, Hyman AA, Baumeister W and **Plitzko JM**. Site-specific cryo-focused ion beam sample preparation navigated by 3D correlative microscopy. **Biophysical Journal** 2016, 110 (4), 860–869.
- Sigmund F, Massner C, Erdmann P, Stelzl A, Rolbieski H, Desai M, Bricault S, Woerner TP, Snijder J, Geerlof A, Fuchs H, Hrabe de Angelis M, Heck AJR, Jasanoff A, Ntziachristos V, **Plitzko JM** and Westmeyer GG. Bacterial encapsulins as orthogonal compartments for mammalian cell engineering. **Nature Communication** 2018, Article number: 1990, doi:10.1038/s41467-018-04227-3.

5. Snijder J, Schuller JM, Wiegard A, Lössl P, Schmelling N, Axmann IM, **Pitzko JM**, Förster F and Heck AJR. Structure of the cyanobacterial circadian oscillator frozen in a fully assembled state. **Science** 2017, 335 (6330), 1181-1184.