Short CV – Juergen M. Plitzko

Education

1988 – 1994	Studies in Mineralogy and Physics, University of Tübingen, Germany
1994 – 1998	PhD at the Max Planck Institute for Metals Research, Stuttgart & Dept. of Chemistry, University of Stuttgart, Germany

Professional Appointments

1999 – 2001	Postdoctoral fellow at the Lawrence Livermore National Laboratory (LLNL), Chemistry & Materials Science Directorate, Livermore, CA, USA
2002 – 2012	Postdoctoral fellow and project group leader at the Max Planck Institute of Biochemistry, Dept. of Molecular Structural Biology, Martinsried, Germany
2013 – 2015	Full Professor, Chair of Biomolecular Electron Microscopy, Bijvoet Center for Biomolecular Research, Utrecht University, Utrecht, The Netherlands
2016 – present	Research group leader (W2) at the Max Planck Institute of Biochemistry;

Short Biography – Juergen M. Plitzko

Juergen Plitzko studied mineralogy and physics at the University of Tuebingen and obtained his Ph.D. degree in Chemistry from the University of Stuttgart in 1998 while working at the Max-Planck-Institute of Metals Research, Stuttgart. He was a Postdoc at the Lawrence Livermore National Laboratory, Livermore, CA and at the Max-Planck-Institute of Biochemistry. In 2012 he was appointed full Professor at the Bijvoet Center for Biomolecular Research, Utrecht University, The Netherlands and consulting Group leader at CEITEC, Central European Institute of Technology, at the Masaryk University in Brno, Czech Republic. In 2016, Juergen Plitzko became a Group leader for cryo-electron microscopy (cryo-EM) at the Max-Planck-Institute of Biochemistry in Martinsried, Germany.

Juergen Plitzko's general research objective is the development and application of innovative tools and technologies in cryo-electron microscopy (cryo-EM) and more specifically in cryo-electron tomography (cryo-ET). His work paved the way to understand structure-function-correlations of macromolecular complexes in their native cellular context. His activities, such as the recent development of focused-ion-beam micromachining for frozen-hydrated samples had an important impact on bridging the gap between molecular and cellular structural biology. His contributions have clearly stimulated cryo-electron tomography of eukaryotic cells and tissues and have been recognized in 2015 with the Ernst-Ruska award.