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## Curriculum Vitae Professor Dr. Wolfgang Baumeister



**Name:** Wolfgang Baumeister

**Born:** 22 November 1946

**Main areas of research:** Structure and function of molecular machines, in particular supramolecular assemblies involved in protein quality control , e.g. 26S proteasome

### Academic and Professional Career

- since 2000 Honorary Professor, Faculty of Physics, Technical University, Munich, Germany
- since 1988 Director, Max Planck Institute of Biochemistry, Head of Department of Structural Biology, Martinsried, Germany
- since 1987 Professor (apl.), Faculty of Chemistry, Technical University, Munich, Germany
- 1984 - 1987 Professor (apl.), University of Düsseldorf, Germany
- 1983 - 1987 Group Leader (C3), Max Planck Institute of Biochemistry, Martinsried, Germany
- 1978 Habilitation; venia legendi in Biophysics
- 1973 - 1980 Research Associate, Dept. of Biophysics, University of Düsseldorf, Germany
- 1970 - 1973 Ph.D., University of Düsseldorf, Germany
- 1967 - 1969 University of Bonn (Biology, Chemistry, Physics), Germany
- 1966 - 1967 University of Münster (Biology, Chemistry, Physics), Germany

### Project coordination, Membership in collaborative research projects

- since 2010 Honorary Board Member of the Journal of Electron Microscopy

since 2008 Co-editor: Encyclopedia of Biological Chemistry, Elsevier

since 2006 Editor: Biochemical and Biophysical Research Communications

since 2005 Editorial Board Member: Journal of Microscopy

since 2003 Editorial Board Member: Trends in Cell Biology

since 2003 Editor-in-chief: Journal of Structural Biology

2002 - 2010 Editorial Board Member: Current Biology

### **Functions in Scientific Societies and Committees**

since 2012 Chair of the Council of the ESFR project INSTRUCT

since 2008 Scientific Advisory Board of the Australian Microscopy and Microanalysis Research Facility (AMMRF)

2007 - 2011 Executive Council of the Protein Society, USA

since 2006 Member of the Scientific Advisory Board of the Centro Nacional de Biotecnología, University of Madrid, Spain

2006 - 2009 Member of the Scientific Advisory Board of the Biozentrum, University of Basel, Switzerland

since 2005 Chair of the Scientific Advisory Board, Venetian Institute of Molecular Medicine, Padua, Italy

since 2005 Member of Scientific Advisory Board, Faculty of Life Sciences, University of Manchester, UK

2003 - 2012 Board Member of the International Union of Pure and Applied Chemistry (IUPAC), Physical and Biophysical Chemistry Division

2002 - 2010 Member of the Executive Committee of the International Federation of Microscopy Societies (IFSM)

2002 - 2010 Member of the Scientific Advisory Board of the NCCR Nanoscale Science, Switzerland

2000 - 2009 Member of the Research Council of the Paul Scherrer Institute, Villigen, Switzerland

2000 - 2008 Elected Biochemistry / Biophysics Board Member of the German Research Council (DFG)

2000 - 2004 Board Member of the Molecular and Cellular Medicine Board of the Medical Research Council (MRC), London, UK

1994 - 2000 Member of the Expert Group "Nano Sciences" of the Swiss National Science Foundation

- 1992 - 1998 President of the Committee of European Microscopy Societies (now: European Microscopy Society)
- 1991 - 1998 Coordinator of the Priority Program “New Microscopic Techniques for Biology and Medicine” of the German Research Council (DFG)
- 1983 - 1991 Member of the Council of the German Society for Electron Microscopy (DGE);  
President of the Society 1988 / 1989

### **Honours and Awarded Memberships**

- 2011 Medal of the City of Padua, Italy
- 2010 Foreign Associate US National Academy of Sciences
- 2010 J. M. Cowley Medal, International Federation of Microscopy Societies, Rio de Janeiro, Brazil
- 2008 Biochemical Analysis Prize, German United Society of Clinical Chemistry and Laboratory Medicine (DGKL)
- 2008 Bijvoet Medal, University of Utrecht, Netherlands
- 2008 Carl Zeiss Lecture and Prize, German Society for Cell Biology
- 2006 Ernst Schering Prize, Schering Foundation, Berlin, Germany
- 2005 Harvey Prize in Science and Technology, Technion Haifa, Israel
- 2005 Medal of the Charles University, Prague, Czech Republic
- 2005 Schleiden Medal, German Academy of Sciences Leopoldina
- 2004 Felix Hoppe Seyler Lecture and Award (German Society for Biochemistry and Molecular Biology)
- 2004 Stein and Moore Award, Protein Society, USA
- 2003 I. and H. Wachter Prize, University of Innsbruck, Austria
- 2003 Louis Jeantet Prize for Medicine, Geneva, Switzerland
- 2002 Datta Lecture and Medal, FEBS, Istanbul, Turkey
- 2002 Foreign Honorary Member, American Academy of Arts & Sciences
- 2001 Karl Heinz Beckurts Prize, Beckurts Foundation, Germany
- 2001 Member, German Academy of Sciences Leopoldina
- 2001 Prix de la Fondation Scientifique Fourmentin-Guilbert, France
- 2001 Fellow, American Academy of Microbiology
- 2001 Prize of the Feldberg Foundation

since 2000     Moore Distinguished Scholar, California Institute of Technology, Pasadena, USA  
2000             Max Planck Research Award  
2000             Fellow, Bavarian Academy of Sciences, Germany  
1998             Otto Warburg Medal, German Society for Biochemistry and Molecular Biology  
1988             EMBO Member  
1982             Ernst Ruska Prize  
1981 - 1982     Heisenberg Fellowship (DFG), Cavendish Lab., University of Cambridge, UK

### **Major Scientific Interests**

Structure and function of molecular machines, in particular supramolecular assemblies involved in protein quality control such as the 26S proteasome as the giant tripeptidylpeptidase complex.

The development of electron cryotomography for in situ structural studies and its application in studies of ribosomal supercomplexes, the cytoskeleton or of synaptic structures.