

Mathias Lösche Professor of Physics, Professor of Biomedical Engineering (courtesy),
NIST Associate at the NCNR

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Professional Preparation

1976 – 1983	Undergraduate School in Physics (Ulm Univ., Germany)	M.S. 1983
1983 – 1986	Graduate Program in Biophysics (TU Munich, Germany)	Ph.D. 1986
1986 – 1988	Postdoctoral Researcher in Biophysics (UC San Diego, CA)	
1988 – 1994	Asst. Professor in Phys. Chem. (Univ. Mainz, Germany)	Habilitation 1994
1995	Professorship (tenure) in Exp. Physics (Leipzig University, Germany)	

Appointments

2005 – Professor of Physics, Carnegie Mellon Univ., Dept. of Physics, Pittsburgh, PA
2008 – Professor of Biomedical Engineering, Carnegie Mellon University
2002 – 2006 Director, CNBT Consortium, NIST Cntr. f. Neutr. Res., Gaithersburg, MD
2002 – 2005 Res. Professor, Dept. of Biophysics, Johns Hopkins Univ., Baltimore, MD
1998 – 2002 Head, Biomembrane Physics group, Leipzig University, Germany
1994 – 2005 Assoc. Prof. of Physics, Inst. of Exp'l. Phys. I, Leipzig University, Germany
1988 – 1994 Assistant Professor in Physical Chemistry, Mainz University, Germany
1986 – 1988 Post-doctoral research fellow, Biophysics Dept, UCSD, La Jolla, CA

Honors and Professional Activities

Member, German Physical Society; German Biophysical Society; American Physical Society,
American Chemical Society; U.S. Biophysical Society.

Fellow, American Physical Society.

Workshop organization: International Workshop on *Current Problems in Complex Fluids*, Puebla, Mexico, 2010, and Huatulco, Mexico, 2012; German-U.S. *Graduate Research School on Polymeric Materials*, Cap Roig, Spain, 2007; International Bunsen-Meeting on *Interactions of Biopolymers with Model Membranes*, Halle, Germany, 2000; European Conference on Interface Science (ECIS), Mainz, Germany, 1991.

Lecturership: Guest lecturer, *École d'été de physique théorique*, Les Houches, France
Tan Chin Tuan Fellow, Nanyang Technological University, Singapore

Panel review: National Institutes of Health, 2007 – 2012 and ongoing, National Science Foundation
2004 – 2010; Science Review Committee, Neutron Scattering Program at Oak Ridge National
Laboratory, 2010 – 2013.

Journal review (past 5 years): Biophys. J., Soft Matter, Proc. Natl. Acad. Sci. U.S.A., J. Chem. Phys.,
Phys. Rev. E, Biochim. Biophys. Acta., Angew. Chemie, Langmuir, J. Appl. Phys., Thin Solid Films,
Phys. Chem. Chem. Phys., Chem. Comm., J. Am. Chem. Soc., Phys. Rev. Letters, ChemPhysChem,
Nature, J. Struct. Biol., Biointerphases, J. Phys. Chem.