

Curriculum Vitae

Martin Gruebele

Personal data:

Born January 10th, 1964 in Stuttgart, Germany (US citizen)
Married to Nancy Makri (2 children, Alexander and Valerie)

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University of Illinois at Urbana-Champaign
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Urbana, IL 61801

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Education:

B.S. (1984) Chemistry, University of California at Berkeley
Advisors: Ken Sauer (biophysics), Wilhelm Maier (organic synthesis), Richard J. Saykally (laser spectroscopy)
Ph.D. (1988) Chemistry, University of California at Berkeley
Thesis advisor: Richard J. Saykally

Professional Experience and Positions:

James R. Eiszner Professor (2008-present)
Professor of Physics (2000-present)
Professor of Biophysics and Computational Biology (1999-present)
Professor of Chemistry (1999-present)
Adjunct Professor of Physics (Michigan State University, 2008-present [faculty mentoring])
William H. and Janet Lycan Professor (2006-2008)
Director, Center for Biophysics and Computational Biology (2003-2008)
Alumni Scholar Professor (2002-2005)
Senior Editor, Journal of Physical Chemistry (ACS, 1998-2005)
Associate Professor of Chemistry (1998-1999)
Assistant Professor of Chemistry (University of Illinois at Urbana-Champaign, 1992-1998)
Consultant, Quantum Design Corp. (1991); Lasermetrics (1993-1994)
Postdoctoral Fellow, California Institute of Technology, Ahmed Zewail group (1989-1992)

Research Interests:

Fast protein and RNA dynamics in solution, membranes and living cells; laser-assisted STM and single molecule spectroscopy; theory, simulation and experiments on molecular vibrational energy flow and coherence.

Awards:

Member, American Academy of Arts and Sciences (USA, 2010)
Raymond and Beverly Sackler International Prize (Tel Aviv U., 2008)
Member, German National Academy of Sciences (Leopoldina, 2008)
James R. Eiszner Chair (U of I, 2008)
Teaching Excellence Award (School of Chemical Sciences, U of I, 2006)
William H. and Janet Lycan Professorship (U of I, 2006)
Fellow of the Biophysical Society (Biophysical Society, 2005)
Friedrich Wilhelm Bessel Research Prize (von Humboldt Foundation, 2005)

Associate of the Center for Advanced Studies (U of I, 2003)
Fellow of the American Physical Society (APS, 2002)
National Science Foundation Creativity Extension Award (NSF, 2002)
Alumni Scholar Professorship (U of I, 2002)
Coblentz Award (Coblentz Society, 2000)
University Scholar (U of I, 1998)
Camille and Henry Dreyfus Teacher-Scholar Award (Dreyfus Foundation, 1998)
Alfred P. Sloan Fellow (Sloan Foundation, 1997)
Teaching Excellence Award (School of Chemical Sciences, U of I, 1995)
Cottrell Scholar Award (Research Corporation, 1995)
Fellow at the Center for Advanced Studies (U of I, 1995)
David and Lucile Packard Fellow (Packard Foundation, 1994)
National Young Investigator Award (NSF, 1994)
List of Teachers Ranked Excellent by their Students (U of I, 1993)
A. O. Beckman Award (U of I Research Board, 1992)
Dreyfus New Faculty Award (Dreyfus Foundation, 1992)
Dow Chemical Graduate Fellow, (Dow Chemical, 1987-1988)
IBM Predoctoral Fellow, (IBM, 1986-1987)
University Fellow (U.C. Berkeley, 1984-1986)
Outstanding Teacher Award (U. C. Berkeley Dept. of Chemistry, 1985)
University Certificate of Distinction (U.C. Berkeley, 1984)
Department Citation for Highest Honors (U.C. Berkeley, 1984)

Named lectureship invitations:

R. B. Bernstein Memorial Lecture (UCLA, May 2009)
Jones Lecture (Queens University, November 2008)
Gunning Lectureship (U. Alberta, 2008)
ISTeC Lecture (Colorado State University, 2007)
Franklin Lecturer (Rice University, 2006)
Baker Lecturer (Cornell University, 2004)

Membership in Professional Societies:

American Chemical Society, American Physical Society (Fellow), Biophysical Society (Fellow), Sigma Xi, Protein Society, Inter-American Photochemical Society, German Biophysical Society, German National Academy of Science, American Academy of Arts and Sciences

Professional Activities:

Director: Center for Biophysics and Computational Biology (2003-2008)
Senior Editor: Journal of Physical Chemistry (1998-2005)
External appointments: Adjunct Professor, MSU (2008-2011 – faculty mentoring)
Guest Editor/Advisor: Chemical Physics Special Issue (2004), Int. J. Mol. Sci. Special Issue (2008)
Society Officer: ACS PHYS Division Vice-Chair Elect (2009-2010)
Editorial Boards: Journal of Chemical Physics (1998-2001); Chemical Physics Letters (1999-); Annual Reviews of Physical Chemistry (2001-2006); Chemical Physics (2001-); Advances in Chemical Physics (2006-2011), J. Phys. Chem. (2008-2010), IJMS (2008-), J. Phys. Chem. Advisory Board (2010-2012)

Session Chair: (excl. conferences (co)organized) ACS Biophysical Chemistry Symposium (1996); "Perspectives in Chemistry", Israel Academy of Sciences, Jerusalem (1998); Int. Symposium on Mol. Spectroscopy 55 Columbus (2000); APS DCP symposium (2002); ICL '02 (2002); APS DCP symposium (2003); US-Japan Protein Physics (Keihanna, 2004); ACS National Meeting Symposium (2004); APS National Meeting Focus Session (2005).

Summer Schools and Guest Lectureships: Protein Structure and Dynamics, Beijing (2005); Chemistry Teaching Exchange, Hanoi U. Science (2008); Tulip 2009, Noordwijk;

Grant Review panels: NIH (1996, 1999, 2002, 2004, 2008-2012), NSF (2002, 2004, 2007-2010)

External Advisory Committees: UTSC, for Texas Board of Higher Education (2004), ACS Spectroscopy Awards (1996-1999); Member-at-Large, APS Chemical Physics Division Executive Committee (2001-2002); AIP Editor search (2008).

Conference (co)organizer: QELS Baltimore (1997); "Molecular control and dephasing:" Telluride Academy Workshop (1998); "Proteins 2000:" ACS Symposium (San Francisco, 2000); "Vibronic Chemistry" APS symposium (March 2002) "Vibrational Spectroscopy" Telluride Academy Workshop (2003); Japan-US meeting Physics of Protein Folding and Function (Keihanna, January 2004); APS focus session "Energy landscapes" (2005); "Penn Protein Meeting" (2005); "Leopoldina-NAFKI meeting on solvation dynamics of biomolecules" (2010); "Biospectroscopy" at Pacificchem (2010).

Visiting scientist/faculty: Hebrew University (1999); Hungarian Academy of Sciences (1999); École Polytechnique Fédérale, Lausanne (1999); Ruhr-Universität Bochum (2005-2006).

Reviewer: (excluding multiple tenure reviews) NSF, NIH, ACS-PRF, Research Corporation, MacArthur Foundation, ACS Awards, Danish Research Board, FORTH (Greece), Science, Nature, J. Mol. Biol., Proc. Natl. Acad. Sci. USA, Oxford University Press, J. Phys. Chem., J. Chem. Phys., Chem. Phys. Lett., Biophys. J., TiBS, Phys. Rev. Lett., Phys. Rev. A and E, Mol. Phys., Biochemistry, Nature Structural Biology, J. Am. Chem. Soc., Chem. Phys., J. Biol. Phys., U.S. Civilian Research and Development Foundation, Protein Science, FEBS Letters, Folia Biologica, Angewandte Chemie, Schweizer Nationalfonds der Naturwissenschaften, Volkswagen Stiftung, Biophysical Chemistry, European Journal of Biochemistry, Protein Science, MPI für Biophysik (Göttingen), Quadrant AG Prize, Taylor & Francis Publishers, Proteins: SFB, Wiley Publishers, Theoretical Chemistry Accounts, International Journal of Molecular Science, Methods, PCCP.