Marina Guenza

BOARD OF TRUSTEES OF THE UNIVERSITY OF OREGON
EXECUTIVE APPOINTMENT – STATEMENT OF ECONOMIC INTEREST
Marina G. Guenza
February 15, 2017

I would like to be considered for appointment to the University of Oregon Board of trustees. I have been a member of the Faculty at the University of Oregon since Fall, 1997. I am a scientist, an advisor to my students, a teacher and a mentor, and I am a member of the community at large of people who strive to ensure the high quality of research and teaching at the University of Oregon. While serving as a trustee of the University, my goal will be to bring my multifaceted experience to the Board.

I am a Professor in the Department of Chemistry and Biochemistry at the University of Oregon and an American Physical Society Fellow. I am a Member at Large of the Executive Committee of the American Chemical Society.

During my years at the University of Oregon, I have been a member of three key committees: the Faculty Advisory Council, which advises the President and the Provost of the University on maters of governance, the Senate Budget Committee, which advises on matters related to the university budget, and the Personnel Advisory Committee, which evaluates faculty promotion and tenure cases. My participation in these committees provides me with a comprehensive view of how the different components of scholarship, governance, and budget need to be integrated for the positive development of the University.

As an internationally recognized scientist, I bring the perspective of a researcher who strives to develop fundamental and original science at the cutting edge of my discipline, with an eye to industrial applications. My work is collaborative, engaging colleagues in computer science, biophysics, and engineering, both inside and outside the UofO. My experience will be useful in relation to the development of interdisciplinary research and industrial collaboration in the new Knight Campus.

I am a female scientist, interested in encouraging and promoting diversity on campus, with a special look at underrepresented minorities. Throughout the course of my career, I have successfully advised and mentored many graduate students from minority groups.

As an Oregonian, I am passionate about teaching and mentoring undergraduate students. I have opened my research groups to high-school students and to undergraduate students, including students from community colleges. In particular, I would like to mention two students: Ha Truong (Highline Community College), a female scientist who graduated from Rice University with a Ph.D. in Theoretical Chemistry, and Thomas Dannenhoffer (Umpqua Community College), who is attending graduate school in Theoretical Chemistry at the University of Chicago. It is a great privilege for me to enable the success of my students by providing them with the opportunity of discovering their own potential.

As an international scholar from Europe and a dual citizen, I have a shared perspective of both the European and the US scientific communities. While I present my scientific discoveries at conferences around the world, I am also an ambassador for our University. As an advisor, I work inside the University to provide research and study opportunities for UofO undergraduates in European Universities through the TASSEP program.

It would be a pleasure and an honor for me to serve on the Board at the University of Oregon. I will strive to play a constructive role by contributing my faculty perspective to the governance structure of the University of Oregon.

Sincerely,

Marina Guenza

Marina G. Guenza, Professor
Department of Chemistry and Biochemistry,
University of Oregon
http://chemistry.uoregon.edu/profile/mguenza/

BIO - Marina G. Guenza
February 15, 2017

Marina Guenza is a Professor of Chemistry and Biochemistry at the University of Oregon and a Fellow of the American Physical Society.

Passionate as a high-school student to the study of classics and art history, Guenza selected Chemistry to learn about scientific methods used in restoration of art masterpieces. She graduated with a PhD in Theoretical Chemistry from the University of Genoa in Italy in 1989, and was hired as a faculty by the Italian National Laboratory. As a tenured researcher, she was a visiting scientist in the Chemistry Department at the University of Chicago and later in the College of Engineering at the University of Illinois at Urbana Champaign. She then moved to the US and joined the Chemistry Department at the University of Oregon in 1997.

Guenza is the author of sixty-four scientific publications. In the course of her career, she has presented over one hundred invited talks at conferences and seminars at Universities, in the US and abroad. At the University of Oregon she received the Faculty Excellence Award and the Interdisciplinary Research Award. In 2012 she was a fellow of the Kavli Institute for Theoretical Physics. She has been a member of the Editorial Board of the journal *Macromolecules*, and a member and Chair of Award Committees for the American Chemical Society.

Her research encompasses aspects of theoretical chemistry, physics, material science, and computer science. Together with her research group of graduate, undergraduate, and postdoctoral students, she develops theoretical methods to understand the properties of novel materials for engineering applications, in addition to biological complexes involved in life processes. She is a member of the American Chemical Society, the American Physical Society, the Biophysical Society, and the American Association for the Advancement of Science.

She is passionate about teaching and mentoring undergraduate and graduate students, in particular minority students. At the University of Oregon, she has served on a number of key committees on matters of governance, tenure and promotion, and budget and operations.

CURRICULUM VITAE

MARINA G. GUENZA

IDENTIFYING INFORMATION

ACADEMIC RANK

Professor in the Department of Chemistry and Biochemistry, University of Oregon

EDUCATION

1985 Laurea Summa cum Laude in Theoretical Physical Chemistry - Universita' degli Studi di Genova, Genova, Italy.

1989 Ph.D. in Physical Chemistry – Consortium of three Italian Universities: Universita' degli Studi di Genova, Universita' degli Studi di Pavia, Universita' degli Studi di Torino.

RESEARCH APPOINTMENTS

2012-present *Professor* – Department of Chemistry – University of Oregon

2006-2012 *Associate Professor* – Department of Chemistry – University of Oregon

2002-2006 *Assistant Professor* – Department of Chemistry – University of Oregon

1998-2002 Senior Research Associate Professor – Physics Department and Department of Chemistry – University of Oregon

1997 Adjunct Assistant Professor on leave from the CNR (Italy) – The Institute of Theoretical Science – University of Oregon.

1989-1998 Tenured Researcher – Institute of Synthetic and Biological Macromolecules – Consiglio Nazionale delle Ricerche (CNR) (The Italian CNRS) – Genoa – Italy

1995-1997 Visiting Scientist on leave from the CNR – Department of Material Science and Engineering – University of Illinois at Urbana-Champaign – Host: Ken Schweizer.

1994 Visiting Scientist on leave from the CNR – Department of Chemistry and the James Franck Institute – University of Chicago – Host: Karl Freed

PROFESSIONAL HONORS AND DISTINCTION

2015 – Interdisciplinary Research Award, University of Oregon

2105 – Faculty Excellence Award, University of Oregon

2011 - present: Named Fellow of the American Physical Society for "significant contributions to the field of polymer physics through the development of theoretical methods to study macromolecular structure and dynamics" Polymer Physics Division.

2012 – Visiting Scientist Kavli Institute for Theoretical Physics, University of California at Santa Barbara.

1995-1997 - Visiting Scholar University of Illinois at Urbana Champaign, Urbana-Champaign, IL

1994 – Visiting Scholar University of Chicago, Chicago, IL

1986-1989 Doctoral Fellow – Italian Minister of the Public Instruction

PROFESSIONAL APPOINTMENTS

2016 – Chair of the Joe Henry Hildebrand Award in Theoretical and Experimental Chemistry of Liquids Selection Committee – American Chemical Society

2015 - Elected Member at Large – Division of Physical Chemistry – American Chemical Society

2010-2013 Member of the Editorial Board of Macromolecules

2011 Editor of the journal Reports in Theoretical Chemistry – Dove University Press

2012-present Member of the Editorial Board of the journal Reports in Theoretical Chemistry – Dove University Press

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Physical Society (Fellow– Polymer Physics Division)

American Chemical Society (Member at Large – Physical Chemistry Division)

Biophysical Society (Member)

American Association for the Advancement of Science (Member)

LANGUAGES: fluent in English, Italian, and French. Knowledge of Ancient Greek and Latin

PUBLICATIONS UNDER REVIEW

1. M. G. Guenza "Cooperative Many-Chain Dynamics for Unentangled and Entangled Polymer Melts" Macromolecules (2016) (submitted).

2. M. G. Guenza *"Thermodynamically Consistent Coarse-Graining of Polymers"* Book Chapter in "Coarse-Grained Modeling of Biomolecules" (to be part of "Series in Computational Biophysics" by Tylor & Francis Publisher, Garegin Papoian Editor, 2016).

3. J. Copperman and M. G. Guenza *"Universality and specificity in protein fluctuation dynamics"* (submitted to Physical Review Letters – August 2016)

MAIN PUBLICATIONS

Research Gate: 95 publications, 87 articles, Rg Score 33.98, *h*-index:20
Google Scholar: 109 publications, 1244 Citations, *h*-index: 23, i10-index: 36

4. J. Copperman and M. G. Guenza *"Mode Localization in the Cooperative Dynamics of Protein Recognition"* Journal of Chemical Physics, 145, 015101-12 (2016).

5. D. Ozog, A. D. Malony, M. G. Guenza *"The UA ↔ CG Workflow: High Performance Molecular Dynamics of Coarse-Grained Polymers"* 24th Euromicro International Conference on Parallel, Distributed and Network-Based Processing - DPD'2016, (Heraklion Crete, Greece Feb. 17-19 2016.) (Computer Science paper)

6. J. Copperman and M. G. Guenza *"Predicting protein dynamics from structural ensembles"* Journal of Chemical Physics, Invited Contribution for Special Topics Issue on *Coarse Graining of Macromolecules, Biopolymers, and Membranes"* 143, 243131-12 (2015).

7. A. J. Clark, J. McCarty, and M. G. Guenza *"Comment on Systematic and simulation-free coarse graining of homopolymer melts: A structure-based study"* Journal of Chemical Physics, 143, 067101 (2015).

8. M. G. Guenza *"Advancements in multi scale modeling: Adaptive resolution simulations and related issues"* European Physics Journal Special Topics (EPJ-ST) 224, 2491-2495 (2015).

9. M. G. Guenza *"Thermodynamic consistency and other challenges in coarse-graining models"* European Physics Journal Special Topics (EPJ-ST) in *"Scale Bridging Techniques in Molecular Simulation: A critical Appraisal"* L. Delle Site and C. Hartmann Ed., 224, 2177-2191 (2015).

10. D. Ozog, J. McCarty, G. Grossett, A. D. Malony, M. G. Guenza *"Fast equilibration of coarse-grained polymeric liquids"* Journal of Computational Science 9, 33 (2015), (Reykjavik, Iceland, June 1-3, 2015).

11. M. G. Guenza *"Structural and thermodynamic consistency in coarse-grained models of macromolecules"* Journal of Physics: Conference Series 640, 0120091 (2015).

12. J. Copperman, M. G. Guenza *"A Coarse-Grained Langevin Equation for Protein Dynamics: Global anisotropy and a mode approach to local complexity"* J. Phys. Chem. B, 119, 9195-9211 (2015) Festschrift issue honoring Branka Ladanyi.

13. E. de Lorimier, L. Coonrod, J. Copperman, A. Taber, E. Reister, K. Sharma, P. K. Todd, M. Guenza, J. A. Beglund *"Modifications to toxic CUG RNAs induce structural stability and rescue missplicing in Myotonic Dystrophy"* Nucleic Acid Res. 42, 12768 (2014).

14. J. McCarty, A. Clark, J. Copperman, and M. G. Guenza *"An analytical coarse-graining method which preserves the free energy, structural correlations, and thermodynamic state of polymer melts from the atomistic to the mesoscale"* J. Chem. Phys. 140, 204913 (2014).

15. M. G. Guenza *"Localization of Chain Dynamics in Entangled Polymer Melts"* Phys. Rev. E 89, 052603 (2014).

16. A. Clark, J. McCarty, M. G. Guenza *"Effective Potentials for Representing Polymers in Melts as Chains of Interacting Soft Particles"* J. Chem. Phys. 139, 124906 (2013).

17. I. Y. Lyubimov, M.G. Guenza *"Theoretical Reconstruction of Realistic Dynamics of Highly Coarse-Grained cis-1,4-Polybutadiene Melts"* J. Chem. Phys. 138, 12A546 (2013).

18. J. McCarty, A. Clark, I. Y. Lyubimov, M. G. Guenza *"Thermodynamic Consistency between Analytical Integral Equation Theory and Coarse-Grained Molecular Dynamics Simulations of Homopolymer Melts"* Macromolecules 45, 8482-8493 (2012).

19. A. Clark, J. McCarty, I. Y. Lyubimov, M. G. Guenza *"Thermodynamic consistency in variable-level coarse-graining of polymeric liquids"* Physical Review Letters 109, 168301-5 (2012).

20. I. Y. Lyubimov, and M. G. Guenza *"A First Principle Approach to Rescale the Dynamics of Simulated Coarse-Grained Macromolecular Liquids"*, Physical Review E 84, 031801-19 (2011).

21. J. McCarty, and M. G. Guenza "*Multiscale Modeling of Polymer Mixtures: Scale Bridging in the Athermal and Thermal Regime"* Journal of Chemical Physics 133, 094904-15 (2010).

22. I. Y. Lyubimov, J. McCarty, A. Clark, and M. G. Guenza *"Analytical Rescaling of Polymer Dynamics from Mesoscale Simulations"* Journal of Chemical Physics 132, 2249031-5 (2010).

23. J. McCarty, I. Y. Lyubimov, and M. G. Guenza *"Effective Soft-Core Potentials and Mesoscopic Simulations of Binary Polymer Mixtures"* Macromolecules 43, 3964-3979 (2010).

24. A. J. Clark, and M. G. Guenza *"Mapping of Polymer Melts onto Soft-Colloidal Chains* Journal of Chemical Physics 132, 044902-12 (2010).

    This paper has been selected for the February 1, 2010 issue of *Virtual Journal of Biological Physics Research* at http://www.vjbio.org.

25. J. McCarty, I. Y. Lyubimov, and M. G. Guenza *"Multi-Scale Modeling of Coarse-Grained Macromolecular Liquids""* Journal of Physical Chemistry B 113, 11876-11886 (2009).

26. M. Zamponi, A. Wischnewski, M. Monkenbusch, L. Willner, D. Richter, P. Falus, B. Farago, and M. G. Guenza *"Cooperative Dynamics in Homopolymer Melts: a Comparison of Theoretical Predictions with Neutron Spin Echo Experiments"* Journal of Physical Chemistry B 112, 16220-16229 (2008).

27. P.Debnath, M. G. Guenza *"Cooperative Dynamics in Polymer Melts from the Unentangled to the Entangled regime"* Philosophical Magazine 88, 33-35 (2008).

28. M. G. Guenza *"Theoretical Models to Bridge Time Scales in Polymer Dynamics"* invited review article Journal of Physics: Condensed Matter 20, 033101-0331024 (2008).

29. Esther Caballero-Manrique, Jenelly K. Brey, William A. Deutschman, Fredrick W. Dahlquist, and M. G. Guenza *"A Theory of Protein Dynamics to Predict N.M.R. Relaxation*" Biophysical Journal 93, 4128-4140 (2007).

30. E. J. Sambriski, and M. G. Guenza *"Theoretical Coarse-Graining Approach to Bridge Length Scales in Diblock Copolymer Liquids"* Physical Review E 76, 051801-13 (2007).

    This paper has been selected for the November 12, 2007 issue of *Virtual Journal of Nanoscience and Technology* and the November 15, 2007 issue of *Virtual Journal of Biological Physics Research*.

31. E. J. Sambriski, G. Yatsenko, M. A. Nemiroskaya, and M. G. Guenza *"Bridging Length Scales in Polymer Melt Relaxation for Macromolecules with Specific Local Structure"* Journal of Physics: Condensed Matter 19, 205115-26 (2007).

32. E. J. Sambriski, G. Yatsenko, M. A. Nemiroskaya, and M. G. Guenza *"An Analytical Coarse-Grained Description for Polymer Melts"* Journal of Chemical Physics 125, 234902-12 (2006).

    This paper has been selected for the December 15, 2006 issue of *Virtual Journal of Biological Physics Research* at http://www.vjbio.org.

33. M. C. Fink, K. V. Adair, M. G. Guenza, and A. H. Marcus *"Translational Diffusion of Fluorescent Proteins by Molecular Fourier Imaging Correlation Spectroscopy"* Biophysical Journal 91, 3482-3498 (2006).

34. G. Yatsenko, E. J. Sambriski, and M. G. Guenza "*Coarse-Grained Description of Polymer Blends as Interacting Soft-Colloidal Particles*" Journal of Chemical Physics 122, 054907 (2005).
    This paper has been selected for the February 1, 2005 issue of *Virtual Journal of Biological Physics Research* at http://www.vjbio.org.

35. G. Yatsenko, E. J. Sambriski, M. A. Nemirovskaya, and M. Guenza "*Analytical Soft-Core Potentials for Macromolecular Fluids and Mixtures*" Physical Review Letters 93, 2578031 (2004).
    This paper has been selected for the December 17, 2004 issue of *Virtual Journal of Nanoscience & Technology* at http://www.vjnano.org and for the December 15, 2004 issue of *Virtual Journal of Biological Physics Research* at http://www.vjbio.org.

36. M. Guenza "*Cooperative Dynamics in Semiflexibile Unentangled Polymer Fluids*", Journal of Chemical Physics 119, 7568 (2003).
    This paper has been selected for the October 1, 2003 issue of the *Virtual Journal of Biological Physics Research* at http://www.vjbio.org.

37. M. Knowles, R. A. Capaldi, M. Guenza, and A. H. Marcus *"Cytoskeletal-Assisted Dynamics of the Mithocondrial Reticulum in Living cells"*, Proceedings of the National Academy of Science 99, 14772 (2002).

38. M. Guenza "*Intermolecular Effects in the Center-of-Mass Dynamics of Unentangled Polymer Fluids*" Macromolecules, 35, 2714 (2002).

39. M. Guenza "*Cooperative Dynamics in Unentangled Polymer Fluids*" Physical Review Letters, 88, 25901 (2002).

40. M. Guenza "*Cooperative Dynamics in Polymer Liquids*" American Chemical Society Volume on *Liquid Dynamics: Experiment, Simulation and Theor*y 92 (2002) J. T. Fourkas Ed. (refereed publication).

41. M. Guenza "*Many Chain Correlated Dynamics in Polymer Fluids*" Journal of Chemical Physics, 110, 7574 (1999).

42. M. Guenza, K. S. Schweizer "*Mode-Coupling Theory of Self Diffusion in Diblock Copolymer: II Comparison with Experimental Data*" Journal of Chemical Physics, 108, 1271 (1998).

43. M. Guenza, H. Tang, K. S. Schweizer "*Mode-Coupling Theory of Self-Diffusion in Diblock Copolymer: I General Derivation and Qualitative Predictions*." Journal of Chemical Physics, 108, 1257 (1998).

44. M. Guenza, K. S. Schweizer "*Local and Microdomain Concentration Fluctuation Effects in Block Copolymer solutions*." Macromolecules, 30, 4205 (1997).

45. K. S. Schweizer, M. Fuchs, G.Szamel, M.Guenza, H.Tang "*Mode-Coupling Theory of the Dynamics of Entangled Macromolecular Fluids*" Macromolecular Theory and Simulations, 6, 1037 (1997).

46. M. Guenza, H. Tang, K. S. Schweizer "*Suppression of Entangled Diblock Copolymer Diffusion at and below the Order-Disorder Transition*." Macromolecules 30, 3423 (1997).

47. M. Guenza, K. S. Schweizer "*Fluctuation Effects in Diblock Copolymer Fluids: Comparison of Theories and Experiments*. " Journal of Chemical Physics, 106, 7391 (1997).

48. M. Guenza, K.F.Freed "*A Rotational Isomeric State Approach to the Long Time Dynamics of Low Molecular Weight Polymers*." Journal of Chemical Physics 105, 3823 (1996).

49. A. Ziabicki, L. Jarecki, A. Perico, M. Guenza "*Orientational Relaxation Times of Worm- Like Chains*." Macromolar Theory and Simulations 4, 643 (1995).

50. A.Perico, M. Guenza, M. Mormino, R. Fioravanti "*Protein Dynamics: Rotational Diffusion of Rigid and Fluctuating Three Dimensional Structures*." Biopolymers, 35, 47 (1995).

51. M. Guenza, A. Perico "*Local Dynamics and Structural Investigation of Star Polymers*." Invited review article -Trends in Polymers Science, Elsevier Trends Journal, February 1994, Vol.2, No.2, Cambridge, UK.

52. M. Guenza, A.Perico "*Dynamics of Star Polymers*". Macromolecular Symposia 81, 115 (1994).

53. M. Guenza, A.Perico "*A Reduced Description of the Local Dynamics of Star Polymers*." Macromolecular Reports, A31, 1274 (1994).

54. A.Perico, M.Mormino, M. Guenza "*Models for Long Time Protein Dynamics*." Macromolecular Reports, A31 (suppls. 6&7), 1009 (1994).

55. M. Guenza, A.Perico "*Static and Dynamic Structure Factors for Star Polymers in Theta Conditions*." Macromolecules, 26, 4196 (1993).

56. L. Carpaneto, G. Costa, E. Marsano, M.Guenza, B. Valenti "*Thermotropicity of Fully- Aromatic Polyesters Based on 3,4'-dicarboxydiphenil ether*." Polymers for Advanced Technologies, 4, 367 (1992).

57. M. Guenza, A.Perico "*A Reduced Description of the Local Dynamics of Star Polymers*." Macromolecules, 25, 5942 (1992).

58. M. Guenza, M. Mormino, A. Perico "*A Local Approach to the Dynamics of Star Polymers*." Macromolecules 24, 6168 (1991).

59. M. Alloisio, M. Guenza, C. Cuniberti "*Solution Conformation of DNA as Probed by Ethidium Fluorescence*." in "Spectroscopy of Biological Molecules", p.359, edited by R.E.Hester and R.B.Girling, York, UK (1991).

60. M. Guenza, C. Cuniberti "*Environment-Induced Changes in DNA Conformation as Probed by Ethidium Bromide Fluorescence*." Biophysical Chemistry 38, 11 (1990).

61. M. Guenza, C. Cuniberti "*The Ethidium Bromide Dimer. Absorption and Fluorescence Properties in Aqueous Solutions*." Spectrochimica Acta, 44A, 1359 (1988).

62. A. Perico, M. Guenza "*Viscoelastic Relaxation of Segment Orientation in Dilute Polymer Solutions II. Stiffness Dependence of Fluorescence Polarization*." Journal of Chemical Physics 84, 510 (1986).

63. A. Perico, M. Guenza *"Viscoelastic Relaxation of Segment Orientation in Dilute Polymer Solutions''* Journal of Chemical Physics 83, 3103 (1985).

INVITED TALKS AND LECTURESHIPS – MEETINGS, EVENTS AND SYMPOSIA

1. 4th Telluride Workshop on Coarse-Grained Modeling and Dynamics of Biomacromolecules. Telluride, CO, *"Correlation between structure and dynamics, and function in proteins: a study with the LE4PD coarse-grained approach"* Marina G. Guenza, July 26, 2016.

2. Telluride Workshop on Nuclear Pore Complexes and Smart Polymers. Telluride, CO, *"Correlation between Cooperative Fluctuations and Binding in Protein Recognition"* Marina G. Guenza, July 25, 2016.

3. Time of Polymers. Ischia, Italy, *"Inter- and Intramolecular Contributions to the Dynamics of Polymer Melts in the Unentangled and Entangled Regime"* Marina G. Guenza, June 23, 2016.

4. 2nd CCPBioSim/CCP5 Multiscale Modeling Conference. Manchester, UK, *"Protein Recognition and Binding with Coarse-Grained Dynamics"* Marina G. Guenza, April 14, 2016.

5. ACS National Meeting – Spring Meeting- Multiscale Chemistry Symposium - Computers in Chemistry Thematic Program - San Diego, CA *"Multiscale Modeling of Condensed Phase Systems: Insights and Predictions from Coarse-Grained Models"* Marina G. Guenza, March 15, 2016.

6. PACIFICHEM – The International Chemical Congress of Pacific Basin Societies 2015. Honolulu, Hawaii, *"Multiscale Modeling with the Integral Equation Coarse-Graining Approach"* Marina G. Guenza, December 19, 2015.

7. PACIFICHEM – The International Chemical Congress of Pacific Basin Societies 2015. Honolulu, Hawaii, *"Predicting protein motion from structural ensembles: A coarse-grained model of protein dynamics"* Marina G. Guenza, December 15, 2015.

8. CECAM WORKSHOP – Molecular and Chemical Kinetics – CECAM-DE-MMS- Zuse Institute Berlin, Germany, *"Mode Localization in the Dynamics of Protein Recognition"* Marina G. Guenza, September 9, 2015.

9. ACS National Meeting – Boston, MA, *"Bridging Lengthscale from the atomistic to the mesoscale with thermodynamically consistent coarse-grained models"* Marina G. Guenza, August 20, 2015.

10. American Physical Society March Meeting, San Antonio, TX, *"Thermodynamically Consistent Coarse-Graining of Polymers"* in Focus Session: Multiscale Modeling of Polymers Marina G. Guenza, March 5, 2015.

11. CECAM workshop "Scale Bridging Techniques in Molecular Simulation: A critical appraisal" Berlin, Germany, Marina G. Guenza, August 25-27, 2014.

12. IUPAP Conference for Computational Physics (CCP 2014), Boston. "Soft-matter, polymer, and biological physics" Section: "Coarse-graining Methods for synthetic polymer systems" Marina G. Guenza, August 11-14, 2014.

13. NISTCHiMaD: Workshop on Coarse-Grained Modeling of Polymers and Soft Materials Genome Initiative, National Institute of Standards and Technology, Gaithersburg, MD 20899-1070, Marina G. Guenza, August 6-7 2014.

14. American Conference Theoretical Chemistry, Telluride, CO, *"Modeling across multiple lengthscales while preserving structure and thermodynamics"* Marina G. Guenza, July 21-24, 2014.

15. Gordon Research Conference, Polymer Physics, Mount Holyoke College, South Hadley, MA, *"Modeling phenomena across multiple time scales"* Marina G. Guenza July 12-18, 2014.

16. Time Of Polymers Conference, Ischia Napoli Italy, *"Entangled Polymer Dynamics and Tracer Dynamics"* Marina G. Guenza, June 22-26, 2014.

17. Coarse-graining as a Frontier of Statistical Mechanics, La Fonda Hotel, Santa Fe, NM, *"Modeling Across Multiple Lengthscales while Preserving Thermodynamics and Structure"* Marina G. Guenza, June 15-18, 2014.

18. ACS National Meeting, Indianapolis, Indiana *"Thermodynamic Consistency and Dynamical Reconstruction for Coarse-Grained Polymer Liquids"* Marina G. Guenza September 9, 2013.

19. ACS National Meeting, Indianapolis, Indiana *"An Introduction to Coarse-Graining and Multiscale Modeling"* (Special lecture for selected undergraduate students) Marina G. Guenza September 8, 2013.

20. ACS National Meeting, Indianapolis, Indiana *"Lessons from Analytical Coarse-graining: Representability, Thermdynamic Consistency, and Long Range Correlations"* Jay McCarty (presenting), Anthony, J, Clark, Marina G. Guenza, September 9, 2013.

21. ACS National Meeting, Indianapolis, Indiana *"A Langevin equation approach to the dynamicsof biological macromolecules"* Jeremy Copperman (presenting), Marina G. Guenza, September 8, 2013.

22. 7th International Discussion Meeting on Relaxations in Complex Systems, Univeritat Politecnica de Catalunya, Barcelona, Spain *"Cooperative Motion and Entangled Dynamics: a Comparison with Neutron Spin Echo Experiments"* Marina G. Guenza, July 21-26, 2013.

23. 25th Canadian Symposium on Theoretical and Computational Chemistry CSTCC 25, University of Guelph, Guelph, Ontario, Canada, *"Some challenges in coarse-graining and multiscale modeling of macromolecular systems"* 25 July 2012.

24. Telluride Conference on "Structure and Dynamics of Complex Macromolecular Systems of Biological and Synthetic Origin",*"Dynamics and Coarse-Graining of Macromolecular Liquids"* 5 July 2012.

25. 13th International Workshop on Complex Systems Andalo, Trento (Italy) *"Theoretical Approaches to the Dynamics of Polymeric Liquids"* 18-22 March 2012

26. CECAM workshop: Coarse-graining strategies and methodologies for polymeric and bio-molecular assemblies. Lyon, France, *"Thermodynamic Consistency and Other Stories: a Coarse-Graining Approach to Macromolecular Liquids"* 5-8 July 2011.

27. Workshop on Chemistry and Dynamics in Complex Environments, Telluride Science Research Center, Telluride, Colorado, *"Thermodynamic Consistency and Other Stories: a Coarse-Graining Approach to Macromolecular Liquids"* 26 June – 1 July 2011.

28. Times of Polymers & Composites, Ischia, Italy, "*Intermolecular Effects in the Dynamics of Polymer Melts: Interplay of Cooperative Dynamics and Entanglements*" 20-23 June 2010.

29. 6th International Discussion Meeting on Relaxation in Complex Systems, Rome, Italy, *"Analytical Coarse-Grained Theories to Bridge Time Scales in the Dynamics of Macromolecular Systems"* 30 August – 5 September 2009.

30. 7th Canadian Computational Chemistry Conference Dalhousie University, Canada *"Analytical Coarse-Grained Theories to Bridge Time Scales in the Dynamics of Macromolecular Systems"* 20-24 July 2009.

31. Telluride Science Research Center, Telluride, Colorado, Workshop on Chemistry and Dynamics in Complex Environments, *"Analytical Coarse-Grained Theories to Bridge Time Scales in the Dynamics of Macromolecular Systems"*22-26 June 2009.

32. The International Conference on Theory and Applications of Computational Chemistry 2008 Shanghai, China *"Structural and Dynamical Coarse Graining of Macromolecular Systems"* 23-27 September 2008.

33. International Society for Theoretical Chemical Physics 6th Congress, University of British Columbia, Vancouver, Canada *"Bridging Time Scales in the Dynamics of Synthetic and Biological Macromolecules"* 19-24 July 2008.

34. 11th International Workshop on Complex Systems, Andalo (Italy), *"Coarse-Graining and Dynamics of Complex (Macromolecular) Liquids"* 17-20 March 2008.

35. Telluride Science Research Center, Telluride, Colorado, Workshop on Polymer Physics *"Bridging Time Scales in the Dynamics of Synthetic and Biological Macromolecules"*, 5-10 August 2007.

36. IV Workshop on non-equilibrium phenomena in supercooled fluids glasses and amorphous materials. *"Theoretical Models to Bridge Time- (Length-)Scales in Polymer Dynamics"* Pisa, Italy, 20 September 2006.

37. ACS Northwest Regional Meeting *"Theoretical Models to Bridge Time- (Length-) Scales in Polymer Dynamics"* Reno, Nevada, 27 June 2006.

RESEARCH SEMINARS AND COLLOQUIA

38. Oregon State University, Corvallis, OR, Chemical Engineering Colloquium, *"Coarse-graining and Multiscale Modeling of Macromolecules"* Marina G. Guenza, April 21, 2016.

39. Whitman College, Walla Walla, WA, Chemistry Colloquium, *"Do polymers reptate like snakes? A new view of macromolecular motion"* Marina G. Guenza, October 2, 2015.

40. IBM, Almaden, CA, "*Multiscale Modeling of Polymeric Materials: A critical Discussion of Coarse Graining*" Marina G. Guenza, May 12th, 2015.

41. Willamette University, Salem OR, Chemistry Colloquium, *"Molecules Move all the Time and they Manage to do Important Things in the Process: a Physical View of Molecular Liquids"* Marina G. Guenza, February 9, 2015.

42. Pacific Northwest National Laboratory, Richland, WA, Colloquium, *"Thermodynamic Consistent Coarse-Graining of Polymers"* Marina G. Guenza, December 8th, 2014.

43. University of Maryland, College Park, Maryland, Informal Statistical Physics Seminar *"Thermodynamic Consistency and other Challenges in Coarse-Graining Models"* Marina G. Guenza, December 2nd, 2014

44. Universita' de La Sapienza, Rome, Italy, Physics Department Colloquium, *"Bridging of Multiple Scales by Coarse-Graining Models: a Critical Overview"* Marina G. Guenza, November 11, 2014.

45. University of Minnesota, Minneapolis, Minnesota, Department of Chemistry Colloquium, "*Thermodynamic Consistency and other Challenges in Coarse-Graining Models"* Marina G. Guenza, November 6, 2014.

46. University of Texas at Austin, Austin, Physical Chemistry Colloquium *"Modeling Across Multiple Lengthscales while Preserving Thermodynamics and Structure"* Marina G. Guenza March 27th, 2014.

47. Portland State University, Physics Colloquium *"Studies of Structure and Dynamics of Complex Fluids"* Marina G. Guenza, February 24th, 2014.

48. University of Oregon, ITS seminar, *"Thought provoking (or just provoking)? Entangled Polymer Dynamics"* Marina G. Guenza14 May 2013.

49. CalPoly, Physics Department Seminar "*Some challenges in coarse-graining and multiscale modeling of macromolecular systems*" 29 December 2012.

50. Oregon State University, Corvallis, Oregon, Physics Department Seminar "*Some challenges in coarse-graining and multiscale modeling of macromolecular systems*" 10 October 2012.

51. Seattle University, Seattle, Washington, Physics Department, Colloquium, "*Molecules Move All The Time, and They Manage To Do Important Things in The Process: a Physical View of Molecular Liquids,*" 16 November 2012.

52. KITP colloquium, UCSB, Santa Barbara, CA *"Coarse-graining and multiscale modeling of macromolecular liquids: thermodynamic consistency and dynamic reconstruction"* 12 June 2012.

53. University of Oregon, Eugene, Oregon, Physics Department Colloquium "Some Challenges in the Dynamics of Macromolecules" 3 May 2012.

54. Willamette University, Salem, Oregon, Physics Department, Colloquium, *"Thermodynamic Consistency and Other Stories: Course-graining Theories of Macromolecular Systems"* 28 October 2011.

55. Simon Fraser University, Burnaby British Columbia, Physics Department, Colloquium, *"Coarse-Graining and Dynamics of Macromolecular Systems"* 18 October 2010.

56. University of British Columbia, Vancouver, Canada, Physics Department, Colloquium, *"Coarse-Graining and Dynamics of Macromolecular Systems"* 19 October 2010.

57. Arizona State University, Physics Department, Condensed Matter Colloquium, Phoenix, AZ, *"Coarse-Graining and Dynamics of Complex Macromolecular Liquids"* 14 April 2010.

58. University of Oregon, Eugene, OR, Material Science Institute Seminar Series *"Coarse-Graining and Dynamics of Macromolecules"* 26 February 2010.

59. Idaho State University, Pocatello, ID, Chemistry Department, Colloquium, *"Analytical Theories to Bridge Time Scales in the Dynamics of Macromolecular Systems"* 6 November 2009.

60. Gonzaga University, Spokane, WA, Chemistry and Biochemistry Department, Colloquium, *"Analytical Theories to Bridge Time Scales in the Dynamics of Macromolecular Systems"* 2 October 2009.

61. Oregon State University, Corvallis, OR, Physics Department, Condensed Matter Colloquium *"Bridging Time Scales in Polymer Dynamics"* 15 April 2009.

62. University of Oregon, Eugene, OR, Institute of Theoretical Science Colloquium *"Protein Local Dynamics"* 5 May 2008.

63. University of California at Los Angeles, Los Angeles, CA, Chemistry Colloquium *"Bridging Time Scales in the Dynamics of Synthetic and Biological Macromolecules"* 28 April 2008.

64. University of Oregon, Women in Graduate Science Seminar *"How to build a career in science from Europe to the United States"* 15 January 2008.

65. University of Colorado, Denver, CO, Chemistry Colloquium *"Bridging Time Scales in the Dynamics of Synthetic and Biological Macromolecules"* 15 December 2008.

66. Colorado State University, Forth Collins, CO, Chemistry Colloquium *"Bridging Time Scales in the Dynamics of Synthetic and Biological Macromolecules"* 14 December 2008.

67. University of Chicago, Chicago, IL, Symposium in honor of Karl Freed, *"Mechanisms of Anomalous Dynamics in Polymer Liquids"* 26-29 August 2007.

68. University of Oregon, Eugene, OR, Institute of Theoretical Science Colloquium *"Theoretical Models to Bridge Time- (Length) Scales in Polymer Dynamics"* 29 May 2007.

69. Washington University in St. Louis, St. Louis, MO, Center for Computational Biology, Biochemistry Colloquium, *"A Theoretical Approach to Predict NMR Relaxation from Protein Structure"* 27 October 2006.

70. University of California at Irvine, Irvine, CA, Chemistry Colloquium, *"Coarse-Graining and Dynamics of Macromolecular Systems"* 16 May 2006.

71. University of Oregon, Eugene, OR, Institute of Theoretical Science Colloquium *"Coarse-Graining and Dynamics in Complex (Macromolecular) Liquids"*, 25 January 2005.

72. Oregon State University, Corvallis, OR, Physical Chemistry Colloquium, *"Cooperative Dynamics in Polymer Liquids"* 29 September 2004.

73. Northwestern University, Chicago, IL, Materials Science and Engineering, Robert R. McCormick School of Engineering and Applied Science, Departmental Colloquium, *"Cooperative Dynamics in Polymer Liquids"* 1 June 2004.

74. University of California at Los Angeles, Los Angeles, CA, Chemistry Departmental Colloquium *"Cooperative Dynamics in Polymer Liquids"* 24 May 2004.

75. University of Wisconsin, Madison, WI, Materials Science and Engineering Colloquium *"Cooperative Dynamics in Polymer Liquids"* 12 April 2004.

76. Arizona State University, Phoenix, AZ, Physics Department, Condensed Matter Colloquium *"Cooperative Dynamics in Polymer Liquids"* 10 March 2004.

77. The Pennsylvania State University, State College, Pennsylvania, Materials Science and Engineering Departmental Colloquium *"Cooperative Dynamics in Polymer Liquids"* 4 March 2004.

78. Pacific University, Portland OR, Departmental Colloquium, "*Anomalous Dynamics in Polymer Fluids"*, 10 February 2004.

79. San Jose' State University, San Jose' CA, Departmental Colloquium, "*Microscopic Analysis of Anomalous Dynamics in Polymer Fluids*", 23 September 2003.

80. Central Michigan University, Formal Presentation "*The Ph.D. program at the University of Oregon*", 20 March 2003.

81. Central Michigan University, Departmental Colloquium "*Anomalous Dynamics in Polymer Fluids*", 20 March 2003.

82. University of Washington in Seattle, Chemistry Colloquium *"Cooperative Dynamics in Polymer Fluids"*, 7 February 2002.

83. University of Notre Dame, Chemistry Colloquium *"Cooperative Dynamics in Polymer Fluids"*, 31 January 2002.

84. Indiana University, Bloomington, Chemistry Colloquium *"Cooperative Dynamics in Polymer Fluids"*, 29 January 2002.

85. Texas Tech University, Chemical Engineering Colloquium *"Cooperative Dynamics in Polymer Fluids"*, 14 January 2002.

86. Boston College, Boston, Chemistry Colloquium *"Cooperative Dynamics in Polymer Fluids"*, 6 December 2001.

87. University of Pittsburgh, Chemistry Colloquium *"Cooperative Dynamics in Polymer Fluids"*, 26 November 2001.

88. University of Washington in Seattle, Physical Chemistry Colloquium *"Cooperative Dynamics in Polymer Fluids"*, 10 October 2001.

89. San Francisco State University, Dept. of Chemistry and Biochemistry Seminar, *"New Ideas in Polymer Dynamics: the Importance of Many- Molecular Correlated Motion to Explain the Experimental Properties of Melts and Glasses"*, 23 March 2001.

90. Willamette University, Chemistry Department Seminar, *"Local Protein Mobility Influences Folding Pathways, Enzymatic Function, and Signal Transduction"*, 7 December 2000.

91. Portland State University, Chemistry Department Seminar, *"How Mobility Affects Biological Activity: a New View in Protein Folding"* 1 December 2000.

92. Reed College, Chemistry Department Colloquium, *"How Mobility Affects Biological Activity: a New View in Protein Folding"* 3 February 2000.

93. University of Oregon, Chemistry Department Colloquium, *"Towards a Unified Theory of Polymer Dynamics"*, December 1999.

94. University of Oregon, Physics Department, Condensed-Matter Colloquium, *"Correlated Many-Chain Dynamics: Entanglement, Slow Modes and Glass Transition"*, 22 October 1999.

95. The University of Illinois at Urbana-Champaign, Chemistry Department *"The role of Cooperative Dynamics in the Behavior of Synthetic and Biological Polymers"*, 3 December 1998.

96. Material Science Institute Colloquium, University of Oregon, *"Many-Chain Correlated Dynamics in Supercooled Polymer Fluids"*, 13 November 1998.

97. Alkermes Inc. Cambridge, MA, *"Exploring Protein Instability by Local Dynamics"*, 21 August 1998.

98. CUNY Staten Island, New York, NY, *"Microscopic theory of Fluctuations in Block Copolymer Dynamics: Self Diffusion and Tracer Diffusion"*, 26 February 1998.

99. Institute of Theoretical Science Colloquium, University of Oregon, *"Correlated Motion in Polymeric Fluids"*, 27 January 1998.

100. University of Oregon, Chemistry Department Colloquium, *"Microscopic Theory of Fluctuations in Block Copolymer Dynamics: Self-Diffusion and Tracer Diffusion"*, 13 October 1997.

101. University of Oregon, Chemical Physics Retreat, Charleston, Oregon, USA. *"Liquid State Theory of Fluctuations and Diffusion in Block Copolymer Melts and Solutions"*, 25 September 1997.

102. Italian National Research Council *"Entangled Dynamics of Block Copolymer Melts"*, 28 July 1996.

103. University of Oregon, Chemistry Department Colloquium, *"Long Time Dynamics of Polymer"*, 8 April 1996.

104. The University of Illinois at Urbana-Champaign, Beckman Institute Colloquium *"The memory Function Formalism in the Generalized Langevin Dynamics"* 14 February 1996.

105. The University of Illinois at Urbana-Champaign, Polymer Seminar, *"Long Time Dynamics of Polymers: Langevin Dynamics and the Memory Function Formalism"*, 5 November 1995.

106. Italian National Council of Research, Genoa, Italy. *"Multichain Dynamics of Entangled Homopolymer Melts"*, 23 December 1995.

107. National Institute of Standards and Technology, Polymer Division, Gaithersburg, MD *"Local Dynamics and structure Factors of Star Polymers"* May 1994.

108. National Institute of Health, Bethesda, Maryland, *"Long Time Dynamics of Macromolecules: Star Polymers and Polypeptides"* May 1994.

RESEARCH PERSONNEL

CURRENT PARTICIPANTS
POSTODCTORAL RESEARCH ASSOCIATES
Hadi Dinpajooh

PH.D. AND MS GRADUATE STUDENTS
Eric Beyerle – Ph. D. Candidate (Chemistry) - University of Oregon
Pablo Romano - Ph. D. Candidate (Chemistry) - University of Oregon
Joshua Fray – Ph. D. Candidate (Physics) - University of Oregon – on leave

Richard Gowers – Visiting - Ph.D. Candidate – Chemical Engineering Department – University of Manchester - UK
Alexander Ohnmacht – Visiting - Master Candidate – Physics Department – University of Konstanz - Germany

UNDERGRADUATE STUDENTS
Kyle Morrison

HIGH SCHOOL STUDENTS
Jake Hyatt – South Eugene High School – Eugene OR
Eli Calalang-LaCroix – South Eugene High School – Eugene OR

PREVIOUS POSTODCTORAL RESEARCH ASSOCIATES
Dr. Galina Yatsenko
Dr. Maria Nemirovskaia – Instructor, Mathematics Department - University of Oregon
Dr. Victor Pryamitsyn – Research Associate - University of Texas at Austin
Prof. Pallavi Debnat – Assistant Professor – Chemistry Department - Indian Institute of Technology Roorkee.

PREVIOUS VISITING FACULTY

Prof. Nail Fatkullin – Kazan Federal University, Institute of Physics, Kazan, Russia

PREVIOUS PH.D. AND MS GRADUATE STUDENTS
David Ozog – Ph. D. Candidate (Computer Science) - University of Oregon – Now at Intel Inc.
Kevin Walton – Master (Physics) - University of Oregon
Dave Grych – Master (Physics) - University of Oregon
Dr. Jeremy Copperman – Ph. D. in Physics – June 2016 – University of Oregon – Postdoctoral Associate, Physics Department, University of Wisconsin, Milwaukee (WI).
Dr. Esther Caballero Manrique – Ph. D. in Chemistry – University of Oregon and MD from Rochester University
Prof. Edward Sambriski – Ph. D. in Chemistry- University of Oregon - Associate Professor – Delaware Valley College

Dr. Ivan Lyubimov – Ph. D. in Chemistry- University of Oregon - Postdoctoral Research Associate - Juan de Pablo – University of Chicago
Dr. James McCarty – Ph. D. in Chemistry- University of Oregon - Postdoctoral Research Associate – Michele Parrinello, ETH Zurich.
Dr. Anthony Clark – Ph. D. in Physics- University of Oregon – Postdoctoral Research Associate – Richard Friesner - Columbia University

Dr. Gesa Welker – Master in Physics - University of Konstanz – Fulbright Fellow University of Oregon
Dr. Trevor Keiber – Master in Chemistry- University of Oregon – Graduate Student Department of Physics, University of California, Santa Cruz.
Kadar Gelinas – Master in Chemistry
Ruth Saunders – Master in Physics

PREVIOUS UNDERGRADUATE RESEARCH STUDENTS
Yelda Raheen, Honors College – University of Oregon
Ben Clark – University of Oregon
Jared Brandon – University of Oregon
David Drake – University of Oregon
Cinthia Garcia – International Undergraduate Student from Brasil – University of Oregon
Dr. Todd Crum - M.D. University of Washington in Saint Louis
Dr. Jenelle Brey – Ph.D. California Institute of Technology – Postdoctoral Research Associate at Stanford University – Security Data Scientist at Linkedin.
Dr. Crystal Valdez – Ph.D. UCLA with Anastassia Alexandrova - Postdoctoral Research Associate at Stanford University
Ha Truong – Ph. D. student Rice University – with Peter Wolynes
Thomas Dannenhoffer – Ph. D. student University of Chicago – with Greg Voth
David Ozog – Ph.D. student University of Oregon – with Al Malony computer science
Mike Nellist – Ph.D. student University of Oregon

SERVICE AND PUBLIC OUTREACH

SERVICE TO THE DISCIPLINE/PROFESSION/INTERDISCIPLINARY AREAS

Member and Chair of the Selection Committee for ACS Awards, Joel Henry Hildebrand Award in the Theoretical Chemistry of Liquids, 2013-2016.
Member of the Blewett Fellowship Selection Committee since 2013 – APS.
Member of the Committee on the Status of Women in Physics for the American Physical Society
Member Nominating Committee American Physical Society Northwestern Section 2010-2011
Member of the Nominating Committee for the American Physical Society - Division of Polymer Physics (DPOLY) 2007
Evaluator for the Italian Research and University Evaluation Agency (ANVUR), which recently started the evaluation of the Italian research system for the period 2011-2014 (VQR 2011-2014) and 2014-2016 (VQR 2014-2016).

Member of the *Editorial Advisory Board of Macromolecules* (2010-2012)
Member Editorial Board of *Reports in Theoretical Chemistry* Dove Medical Press, Auckland, New Zealand (2011-present).

ORGANIZATION OF CONFERENCES, WORKSHOP, PANELS, SYMPOSIA

Symposium organizer: 6^{7h} International Discussion Meeting on Relaxation in Complex Systems - 7IDMRCS – Barcellona, Spain. Symposia: *"Undercooled Polymer Fluids and Glasses"*; *"Dynamics of Biological Systems"*; and *"Polymer Dynamics"* and a special symposium in honor of Dieter Richter, July 2013.

Symposium co-organizer (with B. Capone – Universität Wien): ACS Meeting 2013 PHYS *"Coarse-Graining and Multiscale Modeling in Complex Chemical Systems"*, August 2013

Conference co-organizer (with A. H. Marcus – University of Oregon): Telluride Science Research Center *"Structure and Dynamics of Complex Macromolecular Systems of Biological and Synthetic Origin"*, July 2012

Symposium organizer: APS March Meeting 2012 DPOLY focus session *"Long-Time, Entangled, Dynamics in Polymer Melts"*, March 2012

Symposium organizer: 6th International Discussion Meeting on Relaxation in Complex Systems - 6IDMRCS – Rome, Italy. Symposia: *"Undercooled Polymer Fluids and Glasses"*; *"Biological Macromolecules: Structure and Dynamics"*; and *"Polymer Viscoelastic Relaxation"*, August 2009

Chair of the session: *"Biological Macromolecules: Structure and Dynamics"* at the 6th International Discussion Meeting on Relaxation in Complex Systems - 6IDMRCS – Rome, Italy August 2009.

Chair of the session: "Theory and Simulation II" for the Division of Polymer Physics, March Meeting of the American Physical Society – New Orleans, LA March 2008.

Chair of the session: "Polymer Dynamics" at the 5th International Meeting on Relaxation in Complex Systems – 5IDMRCS - Lille, France – July 2005.

Chair of the section "Polymer Dynamics" at the Polymer Physics Gordon Conference – Connecticut College, CT – August 2000

SERVICE TO THE UNIVERSITY/COLLEGE/DEPARTMENT

University of Oregon

Advisory Group - Computational Science, Statistics & Applied Math Committee – College of Arts and Science and Phil and Penny Knight Campus for Accelerating Scientific Impact, 2017
Academic Leadership Budget Group, 2017
Faculty Advisory Council to the University Provost and President, 2015-2017
Senate Budget Committee, 2010-2016
Budget Advisory Group, 2011
Faculty Personnel Committee, 2007-2009, Office of the President - evaluation of tenure and promotion cases

Member Search Committee Dean of the College of Art and Science 2015-2016.

Department of Chemistry and Biochemistry
Chair of the Department of Chemistry Diversity Committee 2017-present
Head of the Physical Chemistry Division 2006-present
Graduate Student Admission Committee 2002-present
Faculty Search Committees 2011-2015-2016-2017
Faculty Advisory Committee 2002-2005

STUDENT DISSERTATION COMMETTEE MEMBER OR CHAIR

MEMBER THESIS COMMITTEE FOR UNDERGRADUATE HONORS COLLEGE: Tyler Grassman (Chemistry), Jasper Cook (Chemistry)

MEMBER GRADUATE STUDENT DISSERTATION COMMITTEE (specified if it is not in Chemistry): Ken Adair, Michelle Knowles, Marvin Warner, Stephen Garrey, Laura Shirtcliff, Tran My Phung, Mike Jespersen, Sarah Peterson, Barbara Stahl, Matt O'Connor, Jamie Bell, Erin Craig (Physics), Steven Woodcock, Geoff Lott (Physics), Eric Senning, Wei Gong (Physics), Nathan Kuwada (Physics), Kevin Huck (Computer Science), Shachar Shamay, Xiaolu Cheng (Physics), Yupeng Kong (Physics), Julia Widom, Joachim Bowles, Elizabeth Brost (Physics), Brett Israel, Phil Lotshaw, Yasin Karim (Physics), Zach Sailer, Kyle J. Welch (Physics), Micah Donor, Wes Erickson (Physics), Peter Morse (Physics), Huiying Ji,

CHAIR GRADUATE STUDENT DISSERTATION COMMITTEE: Travis Humble, Molly Emmons, Ellen Robertson, Laura McWilliams, Brandon Schabes, Regina Ciszewski, Benjamin Taber, Sean Cleary.