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Education

BS, Massachusetts Institute of Technology, 1982.
Major: Chemistry

BS, Massachusetts Institute of Technology, 1982.
Major: Humanities & Science

PhD, University of California, Berkeley, 1986.
Major: Chemistry

Professional Positions

Director, Center for Computational Biology, (2004 - Present).

Interim Dean, School of Natural Science, (2011).

Full Professor, Biological Sciences, University of California, Merced (2003-2011).

Director, Physical Biosciences Institute, Lawrence Livermore National Laboratory. (2002 - 2005).

Division Leader, Computational and Systems Biology, Lawrence Livermore National Laboratory. (2002 - 2003).
Biology and Biotechnology Research Program

Team Leader, Computational Biology Group, Lawrence Livermore National Laboratory. (1998 - 2002).
Biology and Biotechnology Research Program

Senior Biomedical Scientist, Lawrence Livermore National Laboratory. (1997 - 1998).
Biology and Biotechnology Research Program

Senior Member of Technical Staff, Sandia National Laboratory. (1990 - 1997).

Staff Physicist, Lawrence Livermore National Laboratory. (1989 - 1990).
Pysicis Directorate, O-Division

Postdoctoral Fellow, Lawrence Livermore National Laboratory. (1986 - 1989).
Institute for Scientific Computing Research

RESEARCH

Published Intellectual Contributions

Book Chapters

64. Colvin, M. E., Quong, J.N. (2002). DNA-alkylating events associated with nitrogen mustard based anitcancer drugs and the metabolic byproduct Acrolein. In B.J. Chapman (Ed.), *Advances in DNA Sequence Specific Agents.* First Edition edition. Vol. 4. (pp. 29-46). Amsterdam, Netherlands. Elsevier Science B.V.. 0-444-51096-6/1067-568X.

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Commentaries/Prospectives/Review Articles

Colvin, M. E., Cramer, C.J., Dykstra, C.E., Jensen, J.H., Krimm, S., Rivail, J.L., Thakkar, A.J., Yanez, M. (2006). Molecular quantum mechanics to biodynamics: Essential connections. *Journal of Molecular Structure-Theochem, 764*, 1-8.

Conference/Workshop/Symposium Proceedings

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19. Searfus, R.M., Eeckman, F.H., Colvin, M. E., Axelrod, T.S. (1991). An analogue retina model for detecting moving objects against a moving background. In *Proceedings of the SPIE - The International Society for Optical Engineering. Visual Information Processing: From Neurons to Chips*, Vol. 1473, (pp. 95-101). ISSN: 0277-786X.

18. Eeckman, F.H., Colvin, M. E., Axelrod, T.S. (1989). A Retina-like Model for Motion Detection. In *IJCNN: International Joint Conference on Neural Networks. IJCNN: International Joint Conference on Neural Networks*, Vol. 2, (pp. 247-249). New York, NY, USA. IEEE TAB Neural Network Committee. DOI: 10.1109/IJCNN.1989.118706.

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Sasaki, J.C., Felton, J.S., Colvin, M. E., Fidelis, K.A. (2000). Modeling of the human P450 1A2 active site; implications for bioactivation of the heterocyclic aromatic amine food mutagens. *35*, 53. 0893-6692.

Sasaki, J.C., Tran, N.L., Colvin, M. E., Felton, J.S. (2000). Investigation of resonance stabilization effects in the bioactivation of carcinogenic aromatic amines. 836. 0197-016X.

Dong, Q., Colvin, M. E., Colvin, O.M., Bigner, P., Modrich, P., Friedman, H.S. (1995). Formation of a single phosphoramide mustard-induced DNA interstrand cross-link in an oligonucleotide duplex. *36*, 357. ISSN: 0197-016X.

Eeckman, F.H., Colvin, M. E., Teeters, J.L., Axelrod, T.S. (1990). Comparing a Retinal Motion Detector Algorithm to Classical Approaches. *16*, 1218. 0190-5295.

Eeckman, F.H., Colvin, M. E., Axelrod, T.S. (1989). Computer Simulation of Retinal Motion Detection. *15*, 926. 0190-5295.

Presentations Given

Phillips, J.L. (Presenter & Author), Lau, E.Y. (Author), Newsam, S. D. (Author), Colvin, M. E. (Author), 24th Annual Protein Society National Meeting, "Dimensionality Reduction Reveals Differences Between Disordered Protein Dynamics and Early-stage Protein Folding Dynamics," Protein Society, San Diego, CA. Poster at National Conference. (August 2010).

Lee, J. H. (Presenter & Author), Levine, Z. A. (Author), Verniew, P. T. (Author), Tokman, M. (Author), Colvin, M. E. (Author), 54th Annual Biophysical Society Meeting, "Electric Field Effects on Water and Water-Vacuum Interfaces in Molecular Dynamics Simulations," Biophysical Society, San Francisco, CA. (February 2010).

Phillips, J. L. (Presenter & Author), Lau, E. Y. (Author), Krishnan, V.V. (Author), Rexach, M. (Author), Newsam, S. D., Colvin, M. E. (Author), 54th Annual Biophysical Society Meeting, "Metric scaling for dimensionality reduction of disordered protein dynamics," Biophysical Society, San Francisco, CA. (February 2010).

Phillips, J.L. (Presenter & Author), Lau, E.Y. (Author), Rexach, M. (Author), Krishnan, V.V. (Author), Newsam, S. D. (Author), Colvin, M. E. (Author), 23rd Annual Protein Society National Meeting, "Dynamics Analysis of Unstructured FG-Nucleoporins," Protein Society, Boston, MA. Poster at National Conference. (July 2009).

Phillips, J. L. (Presenter & Author), Colvin, M. E. (Author), Lau, E. Y. (Author), Newsam, S. D., "Analyzing Dynamical Simulations of Intrinsically Disordered Proteins," Center for Molecular Biophysics, Oak Ridge National Laboratory. Invitied talk. (May 2009).

Alilin, A. (Presenter & Author), Rodriguez, J. (Presenter & Author), Watanabe, M. (Author), Colvin, M. E. (Author), UC Merced 3rd Annual Science Day, "Molecular Dynamics Simulations of Ion Diffusion in Carbon Nanotubes," UC Merced. Poster at campus symposium. (April 2009).

Colvin, M. E. (Author), Kim, A. D. (Author), Watanabe, M. (Presenter & Author), Supercomputing 2008 Education Program, "Center for Computational Biology at the University of California, Merced," Austin, TX. (November 2008).

Colvin, M. E. (Presenter & Author), Lau, E.Y. (Author), Krishnan, V.V. (Author), Rexach, M. (Author), 52nd Annual Biophysical Society Meeting, "Dynamical Properties Of Unstructured FG-Nucleoporins," Biophysical Society, Long Beach, CA. (February 2008).

Colvin, M. E. (Presenter & Author), Lau, E.Y. (Author), Krishnan, V.V. (Author), Rexach, M. (Author), Gordon Conference on Biomolecular Interactions and Methods, "Dynamical Properties Of Unstructured FG-Nucleoporins," Gordon Research Conferences, Ventura, CA. (January 2008).

Colvin, M. E. (Author), Kim, A.D. (Author), Watanabe, M. (Presenter & Author), Nguyen, Q. (Author), Supercomputing 2007 Education Program, "Center for Computational Biology at the University of California, Merced," Reno, NV. (November 2007).

Manilay, J. O. (Presenter & Author), Colvin, M. E. (Author), American Association for Immunology National Meeting, "A Probabilistic Model Of Lymphocyte Fate Decisions," American Association for Immunology, Miami, FL. (May 2007).

Colvin, M. E. (Presenter & Author), Lau, E.Y. (Author), Krishnan, V.V. (Author), Rexach, M. (Author), 51st Annual Biophysical Society Meeting, "Molecular dynamics simulations of natively unfolded nucleoporins," Baltimore, MD. (March 2007).

Colvin, M. E., "Prospects for a Purely Computational Biology," University of California, LA, Los Angeles, CA. Invited talk. (May 2006).

Colvin, M. E. (Author), Manilay, J. O. (Presenter & Author), Watanabe, M. (Author), Cold Spring Harbor Meeting on Gene Expression & Signaling In The Immune System, "A quantitative systems biology approach to study cell fate decisions in the immune system," Cold Spring Harbor Laboratory, Cold Spring Harbor, NY. (April 2006).

Colvin, M. E., "Developing a 21st Century Biology Major at the New Merced Campus of the University of California," University of Illinois, Urbana-Champaign, IL. (March 2006).

Colvin, M. E., "Modeling Dynamical Biological Systems: DNA Helices, Semistructured Proteins, and Stem Cell Populations," University of Illinois, Urbana-Champaign, IL. (March 2006).

Colvin, M. E. (Presenter & Author), Lau, E.Y. (Author), "Computer Simulations of Nucleic Acids with Novel Backbones or Under Exotic Conditions," Applied Biosystems Inc., Foster City, CA. (November 2005).

Colvin, M. E., Bio-Link's Seventh Annual Summer Fellows Forum, "(Keynote address) Computer Modeling in Biology," Berkeley, CA. (June 2005).

Colvin, M. E., International Society for Stem-Cell Research Annual Meeting, "Bioengineered tools for parallel analysis of stem cell respnse to microenvironmental signals (hiddessen AL, Bearinger JP, Pallavincini MG, Colvin ME)," San Francisco, CA. (June 2005).

Hiddesson, A.L. (Presenter), Bearinger, J.P. (Presenter), Pallavicini, M. G. (Presenter), Colvin, M. E. (Presenter), International Society for Stem-Cell Research Annual Meeting, "Bioengineered tools for parallet analysis of stem cell response to microenvironmental signals," San Francisco, CA. (June 2005).

Hotton, S. (Presenter & Author), Colvin, M. E. (Author), International Society for Stem-Cell Research Annual Meeting, "Population Models for Stem Cells and Their Descendents," San Francisco, CA. (June 2005).

Colvin, M. E., International Society for Stem-Cell Research Annual Meeting, "Population Models for Stem Cells and Their Descendents (Hotton S, Colvin ME)," San Francisco, CA. (June 2005).

Colvin, M. E. (Presenter & Author), Lau, E.Y. (Presenter & Author), American Chemical Society National Meeting, "Molecular Dynamics Simulations of an RNA-Morpholino Hybrid," American Chemical Society, San Francisco, CA. Poster at National Conference. (March 2005).

Laurence, T. (Presenter), Talley, C. (Presenter), Huser, T. (Presenter), Colvin, M. E. (Presenter), Biophysical Society National Meeting, "Application of SERS nanoparticles to intracellular pH measurements," Long Beach, CA. (February 2005).

Colvin, M. E., Biophysical Society National Meeting, "Application of SERS nanoparticles to intracellular pH measurements (Laurence T, Talley C, Huser T, Colvin M)," Long Beach, CA. (February 2005).

Shen, N. (Presenter), Colvin, M. E. (Presenter), Huser, T. (Presenter), Biophysical Society National Meeting, "Investigate cellular functions by directly probing structures inside living cells using femtocecond laser pulses," Long Beach, CA. (February 2005).

Colvin, M. E., Biophysical Society National Meeting, "Investigate cellular functions by directly probing structures inside living cells using femtosecond laster pulses (Shen N, Colvin M, Huser T)," Long Beach, CA. (February 2005).

Colvin, M. E., 21st Congress of the International Society of Analytical Cytology, "Biophysical Models of Multiprotein Complexes," Montpellier, France. (2004).

Balhorn, R. (Presenter), Perkins, J., Burke, P. (Presenter), Lightstone, F., Cosman, M., Hartmann-Siantar, C., 10th Conference on Cancer Therapy with Antibodies & Immunoconjugates, "Development of selective high affinity ligand (SHAL) antibody mimics for lymphoma/leukemia imaging and therapy," Princeton, NJ. (Note: I contributed to the presentation, but did not attend the conference). (October 2004).

Colvin, M. E., 10th Conference on Cancer Therapy with Antibodies & Immunoconjugates, "Development of selective high affinity ligand (SHAL) antibody mimics for lymphoma/leukemia imaging and therapy (Balhorn R, Perkins J, Burke P, Lightstone F, Cosman M, Hartmann-Siantar C, DeNardo S, Colvin M, Lehner T, Gregg J, Albrecht H, DeNardo GL)," Princeton, NJ. Note: I contributed to the presentation , but did not attend the conference. (October 2004).

Felton, J.S. (Presenter), Knize, M.G. (Presenter), Malfatti, M. (Presenter), Lau, E. (Presenter), Colvin, M. E. (Contributor), Hatch, F. (Presenter), Environmental Mutagen Society Annual Meeting, "Factors determining mutagenic potency," Pittsburg, PA. (Note: I contributed to the presentation, but did not attend the conference). (October 2004).

Colvin, M. E., Environmental Mutagen Society Annual Meeting, "Factors determining mutagenic potency (Felton JS, Knize MG, Malfatti M, Lau E, Colvin M, Hatch F, Lightstone FC)," Pittsburg, PA. Note: I contributed to the presentation , but did not attend the conference. (October 2004).

Colvin, M. E., Castle Science and Technology Center Century of Powered Flight Lecture Series, "Virtual Reality: Simulating Where we Have Yet to Boldly Go." (September 2004).

Colvin, M. E., Century of Powered Flight Lecture Series-Castle Science and Technology Center, "Virtual Reality: Simulating Where We Have Yet to Boldy Go." (September 2004).

Sulcheck, T.A. (Presenter), Langry, K. (Presenter), Ratto, T.V., De Nardo, S., Colvin, M. E. (Contributor), Noy, A. (Presenter), American Chemical Society Meeting, "Force-spectroscopy of multivalent protein-antibody interactions for radioimmunotherapeutics optimization," Anaheim, CA. (Note: I contributed to the presentation, but did not attend the conference). (March 2004).

Colvin, M. E., American Chemical Society Meeting, "Force-spectroscopy of multivarent protein-antibody interaction for radioimmunotherapeutics optimization (Sulchek TA, Langry K, Ratto TV, De Nardo S, Colvin ME, Noy A)," Anaheim, CA. Note: I contributed to the presentation , but did not attend the conference. (March 2004).

Lau, E.Y. (Presenter), Lightstone, F.C. (Presenter), Colvin, M. E. (Contributor), American Chemical Society Meeting, "Molecular dynamics simulations of DNA encapsulated in a carbon nanotube," Anaheim, CA. (Note: I contributed to the presentation, but did not attend the conference). (March 2004).

Colvin, M. E., American Chemical Society Meeting, "Molecular dynamics simulations of DNA encapsulated in a carbon nanotube (Lau EY, Lightstone FC, Colvin ME)," Anaheim, CA. Note: I contributed to the presentation , but did not attend the conference. (March 2004).

Jeans, C. (Presenter), Thelen, M. (Presenter), Noy, A. (Presenter), Colvin, M. E. (Contributor), American Chemical Society Meeting, "Single molecule studies of ***** remodelling," Anaheim, CA. (Note: I contributed to the presentation, but did not attend the conference). (March 2004).

Colvin, M. E., American Institute of Chemical Engineers Annual Meeting, "Prospects for Computational Biochemistry," San Francisco, CA. (September 2003).

Colvin, M. E., American Institute of Chemical Engineers Annual Meeting, "Prospects for Computational Biochemistry," San Francisco, CA. (September 2003).

Colvin, M. E., Supercomputing 2002, "Prospects for Computational Biochemistry," Baltimore, MD. (November 2002).

Colvin, M. E., "Computational Biochemistry: Principles and Practice," Georgetown University, Georgetown University Medical Center, Washington, DC. (July 2002).

Colvin, M. E., Briefing for JASON Study on Opportunities At The Intersection of Nanoscience, Biology and Computation, "Computational Biochemistry & Roles for Nanotechnology in the Biosciences," La Jolla, CA. (June 2002).

Colvin, M. E., Biotechnology Seminar Series, "Computational Biochemistry," University of California, Davis, Davis, CA. (February 2002).

Colvin, M. E., Mission Computing Conference, "Prospects for Computational Biochemistry," DOE/NASA/DOD. (February 2002).

Colvin, M. E., Eight International Conference on Carcinogenic/Mutagenic N-Substituted Aryl Compounds, "Computer Simulations of the Activation of Heterocyclic and Aromatic Amine Mutagens," Washington, DC. (November 2001).

Colvin, M. E. (Keynote Speaker), Computational Science Graduate Fellowship Conference, "Computional Chemical Studies of DNA-Damaging Drugs and Food Mutagens," Department of Education (DOE), Washington, DC. (July 2001).

Colvin, M. E., Chemistry Department Organic Chemistry Colloquium, "Computational Chemical Studies of DNA-Binding Compounds," University of California, Los Angeles, Department of Chemistry, Los Angeles, CA. (May 2001).

Colvin, M. E., "Computational Biology: Principles and Practice," California State University, San Francisco, Department of Chemistry, San Francisco, CA. (March 2001).

Colvin, M. E., "Computer Modeling Studies of DNA-binding Food Mutagens and Anticancer Drugs," University of California, Berkeley, Department of Nutritional Sciences and Toxicology, Berkeley, CA. (March 2001).

Colvin, M. E., "Application of Computational Simulations to the Development of Anticancer Therapeutics," University of California, Davis, Cancer Center, Davis, CA. (March 2000).

Colvin, M. E., "Quantum Chemical Studies of DNA Binding Anticancer Drugs and Environmental Mutagens," University of Maryland, Department of Chemistry, College Park, MD. (February 2000).

Colvin, M. E., NSF, NIH, DOE Interagency Meeting on Computational Biology, "Prospects for Computational Biochemistry," NSF, NIH, DOE, Washington, DC. (July 1998).

Colvin, M. E., "Computational Biochemistry," University of Illinois Beckman Institute, Urbana-Champaign, IL. (March 1998).

Colvin, M. E., International Congress of Quantum Chemistry, "Object Oriented Ab Initio Quantum Chemistry on Massively Parallel Computers," Atlanta, GA. (June 1997).

Colvin, M. E., NIH High Performance Computing In Chemistry Workshop, "Quantum Chemical Methods for Massively Parallel and Distributed Computers," Washington, DC. (March 1993).

Contracts, Grants and Sponsored Research

Grant

Colvin, Michael E (Co-Principal Investigator), Watanabe Masa (Principal Investigator), "URM: Undergraduate Research in Computational Biology at UC Merced," NSF - National Science Foundation, $994,999.00. (January 2011 - December 2015).

Colvin, Michael E (Co-Principal Investigator), Newsam, Shawn Donald (Principal Investigator), Gopinathan, Ajay (Co-Principal Investigator), "RUI: New Tools for Characterizing Protein Dynamics," NSF - National Science Foundation, $647,841.00. (September 2010 - August 2013).

Colvin, Michael E (Co-Principal Investigator), "Architecture of the Diffusion Barrier in the Nuclear Pore Complex," NIH - National Institutes of Health, $2,096,568.00. (September 2007 - August 2011).

Colvin, Michael E (Collaborator), "NIRT: Gated Transport through Carbon Nanotube Membranes," NSF - National Science Foundation, $1,021,736.00. (August 2007 - July 2011).

Colvin, Michael E (Principal Investigator), "UC Merced Center for Computational Biology," DOE - Dept of Energy, $2,830,483.00. (October 2004 - August 2010).

Colvin, Michael E, "Molecular Dynamics Simulations of Semistructured Biomolecules," NSF Teragrid Consortium. (July 2008 - June 2009).

Colvin, Michael E, "Comparative Study of Unstructured Proteins Using All-Atom and Coarse- Grained Molecular Dynamics," DOE National Energy Research Scientific Computing Center. (January 2008 - January 2009).

Colvin, Michael E (Co-Principal Investigator), "Determining the Carcinogenic Significance of Heterocyclic Amines," NIH - National Institutes of Health, $12,672,440.00. (February 2002 - January 2007).

Colvin, Michael E (Co-Principal Investigator), "Translational Multimodality "Antibody" Therapy," NIH - National Institutes of Health, $7,217,798.00. (July 2003 - January 2006).

Professional Service

Journal of Molecular Structure-Theochem, Editorial Review Board Member, Appointed, Pro Bono, International. (2007 - Present).

Biophysical Journal, Journal Article Reviewer. (2009 - 2010).

Journal of Molecular Structure, Theochem, Journal Article Reviewer, International. (2005 - 2010).

Department of Energy Early Career Awards, Ad Hoc Reviewer. (2009).

Journal of Chemical Physics, Journal Article Reviewer. (2008 - 2009).

Department of Energy Computational Science Graduate Fellowship, Ad Hoc Reviewer, Pro Bono. (2008).

Molecular Physics, Journal Article Reviewer. (2008).

Journal of Molecular Structure-Theochem, Associate Editor, Appointed, Pro Bono, International. (2004 - 2007).

GREAT Graduate student fellowship Pre-review Meeting, Reviewer, Appointed, Pro Bono, National. (October 2005).

NSF Cyberchemistry Center Reviews, Reviewer, Appointed, Pro Bono, National. (June 2005).

DOE Multiscale Math Review, Reviewer, Appointed, Pro Bono, National. (May 2005).

UC GREAT Graduate student fellowship Reviews, Reviewer, Appointed, Pro Bono, National. (March 2005).

UC Discovery IT for Life Sciences Grant Review, Reviewer, Appointed, Pro Bono, National. (February 2005).

UC Presidential Postdoctoral Fellowship Reviews, Reviewer, Appointed, Pro Bono, National. (February 2005).

DOE Genomes to Life Computational Biology Planning Workshop, Paticipant, Appointed, Pro Bono, National. (October 2004).

National Research Council Supercomputing Workshop, Paticipant, Appointed, Pro Bono, National. (October 2004).

NSF Cyberchemistry Planning Workshop, Paticipant, Appointed, Pro Bono, National. (October 2004).

DOE Genomes to Life Planning Workshop, Paticipant, Appointed, Pro Bono, National. (June 2004).

DOE Grant Review, Reviewer, Appointed, Pro Bono, National. (April 2004).

Oak Ridge National Laboratory Cray X1 Review, Reviewer, Appointed, Pro Bono, National. (February 2004).

UC Presidential Postdoctoral Fellowship Reviews, Reviewer, Appointed, Pro Bono, National. (February 2004).

TEACHING

Teaching Experience

University of California, Merced

Fall, 2010

BIO 180, Mathematical Modeling for Biology. (Fall 2010)

QSB 293, Quantitative and Systems Biology Journal Club. (Fall 2010)

QSB 299, Statistical Modeling. (Fall 2010)

Spring, 2010

BIO 181, Biomolecular Simulation. (Spring 2010)

QSB 281, Advanced Computational Biology. (Spring 2010)

Fall, 2009

BIO 180, Math Modeling for Biology. (Fall 2009)

QSB 280, Advanced Mathematical Biology. (Fall 2009)

Fall, 2008

BIS 180, Math Modeling for Biology. (Fall 2008)

QSB 280, Advanced Mathematical Biology. (Fall 2008)

Spring, 2008

BIS 180, Math Modeling for Biology. (Spring 2008)

QSB 280, Advanced Mathematical Biology. (Spring 2008)

Fall, 2007

BIS 180, Math Modeling for Biology. (Fall 2007)

Spring, 2007

BIS 180, Math Modeling for Biologists. (Spring 2007)

BIS 195, Research Proj in Bio Sci. (Spring 2007)

QSB 280, Advanced Mathematical Biology. (Spring 2007)

Fall, 2006

BIS 180, Math Modeling for Biologists. (Fall 2006)

BIS 195, Research Proj in Bio Sci. (Fall 2006)

Spring, 2006

BIS 1, Contemporary Biology. (Spring 2006)

CORE 090, Computer Simulations. (Spring 2006)

QSB 292, QSB Group Meeting. (Spring 2006)

QSB 299, Computer Simulation in Econ. (Spring 2006)

Fall, 2005

BIS 1, Contemporary Biology. (Fall 2005)

CORE 090, Day in Life of Leopold Bloom. (Fall 2005)

QSB 292, QSB Group Meeting. (Fall 2005)

QSB 295, Graduate Research. (Fall 2005)

Spring, 2005

QSB 299, Bioinformatics. (Spring 2005)

Fall, 2004

QSB 295, Graduate Research. (Fall 2004)

QSB 299, Scientific Modelling. (Fall 2004)

Other

Six week Summer Research Program in Computational Biology, (June 2006 - July 2010).
As part of the UC Merced Center for Computational Biology I supervised and co-taught six-week research programs in computational biology for groups of 8-10 undergraduate students during the summers of 2006, 2007, 2008, 2009, and 2010.

Course Development, (2003 - 2005).
Lead faculty developer of UC Merced Biological Sciences BS degree, designed curriculum, coordinated the development of course content, Consulted with faculty at many campuses, co-ran Biological Sciences Workshop (2/2005)

Doctoral Candidacy Committee

Eric Johnson, Member

Hoda Mirafzal, Member

Doctoral Committee

Basha Stankovich, Member Chair: M. Pallavicini

Jane Lee, Co-Advisor

Joshua Phillips, Co-Advisor

Ronna Malios, Member

July 2010, Igor Goncharenko, Member

June 2005, Sheena Menezes, Supervisor Co-supervised with M. Pallavicini; Moved to UCSB, 6/2005

Postdoctoral Research Supervision

November 2004 - November 2006, John Tamaresis, Supervisor

November 2004 - November 2006, Scott Hotton, Supervisor 50% supervisor, Scott was hired as a staff researcher, but is functioning as a post-doc on this project.

Undergraduate Research Supervision

July 2010 - December 2010, Erick Aitchison, Supervisor

July 2009 - August 2010, Drew Tilley

July 2008 - June 2009, Alaena Alilin, Supervisor

July 2008 - June 2009, Joanne Rodriguez, Supervisor

August 2006 - December 2008, Demseen Danielson, Supervisor

August 2005, Jeff Gentry, Supervisor

SERVICE

Department Service

Co-Chair, Search committee for Complex Disease. (July 2008 - June 2009).

Co-Chair, Search committee for Developmental Biology. (July 2008 - June 2009).

Co-Chair, Search committee for Infectious Disease. (July 2008 - June 2009).

Co-Chair, Search committee for Neurobiology. (July 2008 - June 2009).

Member, Search committee for Theoretical Chemistry. (July 2008 - June 2009).

Chair, Search committee for Developmental Biology. (July 2007 - June 2008).

Member, Search committee for Bioinformatics. (July 2006 - June 2007).

Member, Search committee for Systems Biology. (July 2006 - June 2007).

Member, Search committee for Evolutionary Biology (Spousal Hire). (July 2005 - June 2006).

Chair, Search committee for Mechanisms of Complex Disease. (July 2005 - June 2006).

Member, Search committee for Stem Cell Biology. (July 2005 - June 2006).

Chair, Search committee for Systems Biology. (July 2005 - June 2006).

School/College Service

Chair, School of Natural Sciences. (July 2009 - June 2010).

Member, School of Natural Sciences Executive Committee. (July 2007 - June 2010).

Co-Chair, School of Natural Sciences Academic Personnel Committee. (July 2008 - June 2009).

Member, School of Natural Sciences Life Sciences Curriculum Committee. (July 2008 - June 2009).

Co-Chair, School of Natural Sciences Academic Personnel Committee. (July 2007 - June 2009).

Chair, School of Natural Sciences Curriculum Committee. (July 2007 - June 2008).

Chair, School of Natural Sciences Academic Personnel Committee. (July 2006 - June 2007).

Chair, School of Natural Sciences Curriculum Committee. (July 2005 - June 2006).

University Service

Member, Board of Governors Board of Governors, Science & Technology Committee for Los Alamos and Lawrence Livermore National Laboratories. (2007 - Present).

Member, Committee on Academic Personnel (CAP). (July 2010 - June 2011).

Chair, Committee on Academic Planning and Resource Allocation (CAPRA). (July 2009 - June 2010).

Member, Divisional Council. (July 2005 - June 2010).

Executive Committee Member, Information Technology for Life Sciences Discovery Grant Program. (2002 - 2009).

Member, Committee on Academic Planning and Resource Allocation. (July 2008 - June 2009).

Vice-Chair, Divisional Council. (July 2008 - June 2009).

Member, Advisory Committee of the University of California President's Postdoctoral Fellowship Program. (2003 - 2008).

Chair, Committee on Committees. (July 2006 - June 2008).

Vice-Chair, Committee on Academic Planning and Resource Allocation (CAPRA). (July 2005 - June 2008).

Chair, Quantitative and Systems Biology Graduate Emphasis. (July 2005 - June 2007).

Executive Committee Member, Biotechnology, Research and Education Program. (1999 - 2006).

Member, Committee on Academic Planning and Resource Allocation. (July 2005 - June 2006).

Chair, Undergraduate Council. (July 2005 - June 2006).

Member, Undergraduate Council (UGC). (July 2004 - June 2005).