

TAMARA L. DAVIS

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EDUCATION

- Ph.D., December 1996, University of California at Berkeley, CA, Molecular & Cell Biology.
- B.A., June 1991, *cum laude*, University of California at San Diego, CA, Molecular Biology.

PROFESSIONAL EXPERIENCE

- June 2009-present, Chair, Department of Biology, Bryn Mawr College, Bryn Mawr, PA.
- September 2005-present, Associate Professor, Department of Biology, Bryn Mawr College, Bryn Mawr, PA, analysis of epigenetic marks associated with imprinted genes in mouse.
- January 2000-August 2005, Assistant Professor, Department of Biology, Bryn Mawr College, Bryn Mawr, PA, establishment of imprinting in the mouse germline.
- February 1997-December 1999, postdoctoral fellow, laboratory of Dr. Marisa S. Bartolomei, HHMI and Department of Cell and Developmental Biology, University of Pennsylvania School of Medicine, Philadelphia, PA, molecular mechanism of genomic imprinting in mice.
- August 1991-December 1996, graduate student, laboratory of Dr. Barbara J. Meyer, Department of Molecular and Cell Biology, University of California at Berkeley, CA, thesis title: The role of SDC-3 in sex determination and in assembling the *C. elegans* dosage compensation complex.
- January 1989-July 1991, undergraduate research, laboratory of Dr. Donald R. Helinski, Department of Biology and Center for Molecular Genetics, University of California at San Diego, La Jolla, CA, promoter analysis of the stabilization locus of the broad host range plasmid RK2.

SELECTED GRANTS AND AWARDS

- proposal submitted September 2011, National Science Foundation, in the amount of \$283,392. Project title: RUI: Analysis of epigenetic modifications regulating genomic imprinting in mouse.
- proposal submitted May 2010, National Institutes of Health AREA Grant, in the amount of \$330,229. Project title: Epigenetic analysis of imprinted loci in mouse. Final decision still pending.
- February 2011. Award from Faculty Research Fund, Bryn Mawr College, \$5000.
- February 2010, Award from Faculty Research Fund, Bryn Mawr College, \$4000.
- January 1, 2009-December 31, 2010, Pennsylvania Department of Health Commonwealth Universal Research Enhancement program, in the amount of \$12,570. Title: Analysis of epigenetic modifications at imprinted loci in mouse.
- March 2008-February 2009, National Institutes of Health AREA Grant supplement, 3R15HD041444-02S1, in the amount of \$56,661. Title: Developmental Analysis of Imprinting Mark Modifications.
- May 15, 2005, Rosalyn R. Schwartz Teaching Award, Bryn Mawr College, \$1000.
- March 2005-February 2008, National Institutes of Health AREA Grant, 2R15HD041444-02, in the amount of \$213,860. Project title: Developmental Analysis of Imprinting Mark Modifications.
- Summer 2004, Summer Stipend Award, Bryn Mawr College Provost's Office, \$2000.

- May 2004, recipient of LI-COR Biosciences Genomics Education Matching Fund Program to fund a DNA sequencer for use in the classroom and research laboratories, \$25,000.
- Summer 2003, Summer Stipend Award, Bryn Mawr College Provost's Office, \$2000.
- September 2002-May 2003, Junior Faculty Research Leave supported in part through the Elizabeth B. Jackson Biology Fund.
- March 2002-February 2005, National Institutes of Health AREA Grant, 1R15HD041444-01, in the amount of \$126,618.
- September 1998-December 1999, National Institutes of Health NRSA Postdoctoral Fellowship.
- February 1997-August 1998, Howard Hugest Medical Institute Postdoctoral Fellow.
- 1993, Outstanding Graduate Student Instructor Award, University of California, Berkeley, Department of Molecular and Cell Biology, MCB140: Genetics.
- 1990-1991, Howard Hughes Medical Institute Summer Research/Honors Thesis Fellowship, University of California, San Diego.
- 1990-1991, President's Undergraduate Fellowship, University of California, San Diego.

ON-GOING RESEARCH PROJECTS

- Analysis of the acquisition of paternal allele-specific DNA methylation at the imprinted mouse *Dkl1* gene, and comparison with the developmental time course of DNA methylation acquisition at the linked *Gtl2* gene. Manuscript planned for summer 2012.
- Analysis of histone modification distribution on the parental alleles of the *Rasgrfl* gene in mouse tissues exhibiting imprinted and biallelic expression using chromatin immunoprecipitation and an allele-specific PCR assay.

PUBLICATIONS

*denotes undergraduate student co-author

- Nowak, K*, G. Stein*, E. Powell*, L.M. He*, S. Naik* J. Morris* and T.L. Davis, Establishment and maintenance of paternal allele-specific methylation at the imprinted mouse *Gtl2* locus, accepted for publication in *Epigenetics* **6**(8): 1012-1020.
- Dockery, L.* , Gerfen, J.* , Harview, C* , Rahn-Lee, C.* , Horton, R.* , Park, Y.* and T.L. Davis, 2009, Differential methylation persists at the mouse *Rasgrfl* DMR in tissues displaying monoallelic and biallelic expression, *Epigenetics* **4**(4): 241-247.
- Bhogal, B.* , A. Arnaudo*, A. Dymkowski*, A. Best* and T.L. Davis, 2004, Methylation at mouse *Cdkn1c* is acquired during post-implantation development and functions to maintain imprinted expression, *Genomics* **84**(6): 961-970.
- Davis, T.L., G.J. Yang*, J. McCarrey and M.S. Bartolomei, 2000, The *H19* methylation imprint is erased and reestablished differentially on the parental alleles during male germ cell development, *Human Molecular Genetics* **9**(19): 2885-2894.
- Dawes, H.E., D.S. Berlin, D.M. Lapidus, C. Nusbaum, T.L. Davis and B.J. Meyer, 1999, SDC-2 triggers hermaphrodite sexual development and targets nematode dosage compensation machinery to X chromosomes, *Science* **284**(5421): 1800-1804.
- Davis, T.L., J.M. Trasler, S.B. Moss, G.J. Yang* and M.S. Bartolomei, 1999, Acquisition of the *H19* methylation imprint occurs differentially on the parental alleles during spermatogenesis, *Genomics* **58**(1): 18-28.
- Davis, T.L., K.D. Tremblay & M.S. Bartolomei, 1998, Imprinted expression and methylation of the mouse *H19* gene are conserved in extraembryonic lineages, *Developmental Genetics* **23**(2): 111-118.

- Davis, T.L. and B.J. Meyer, 1997, SDC-3 coordinates the assembly of a dosage compensation complex on the nematode X chromosome, *Development* **124**(5): 1019-1031.
- Davis, T.L., D.R. Helinski, and R.C. Roberts, 1992, Transcription and autoregulation of the stabilizing functions of broad-host-range plasmid RK2 in *Escherichia coli*, *Agrobacterium tumefaciens* and *Pseudomonas aeruginosa*, *Molecular Microbiology* **6**(14): 1981-1994.

SELECTED ABSTRACTS AND INVITED LECTURES

*denotes undergraduate student co-author

- Baumann, B.* , T.L. Davis and P.D. Brodfuehrer, November 12-16, 2011, abstract and poster, Neuroscience 2011, Identification of AMPA receptor in *Hirudo medicinalis*.
- Davis, T.L. and Sara Marlow*, August 7-12, 2011, abstract and poster, Gordon Research Conference on Epigenetics, Analysis of epigenetic modifications at the imprinted *Rasgrfl* locus in mouse.
- Davis, T.L., November 20, 2009, invited talk, University of Pennsylvania Genetics Training Grant Graduate Student Career Forum, Balancing teaching and research in the sciences.
- Davis, T.L., C. Harview*, N. Khaselev*, S. Marlow*, R. Horton* and C. Rahn-Lee*, July 18-22, 2009, abstract and poster, 42nd Annual Meeting of the Society for the Study of Reproduction, Epigenetic analysis of tissue-specific imprinting of mouse *Rasgrfl* in brain and placenta.
- Davis, T.L., L. Dockery*, R. Horton*, C. Harview*, J. Gerfen*, C. Rahn-Lee* and Y. Park*, July 26-30, 2008, abstract and poster, 67th Annual Meeting of the Society for Developmental Biology, Paternal allele-specific methylation at *Rasgrfl* is present in monoallelic and biallelic tissues.
- Davis, T.L., September 26, 2007, invited talk, University of Pennsylvania Cell and Molecular Training Grant Alumni Day, Balancing teaching and research at a primarily undergraduate institution.
- Dockery, L.* , R. Horton*, J. Gerfen*, C. Rahn-Lee* and T.L. Davis, July 21-25, 2007, abstract and poster, 40th Annual Meeting of the Society for the Study of Reproduction, Differential methylation at mouse *Rasgrfl* is maintained in embryonic, extraembryonic and neonatal tissues, regardless of imprinting status.
- Nowak, K.* , G. Stein*, L.M. He*, E. Powell* and T.L. Davis, July 21-25, 2007, abstract and poster, 40th Annual Meeting of the Society for the Study of Reproduction, Analysis of paternal allele-specific methylation at mouse *Gtl2* during early embryogenesis.
- Davis, T.L., June 18-23, 2006, discussion leader, Gordon Research Conference on Mammalian Gametogenesis and Embryogenesis, Epigenetic regulation of the germline and early embryo.
- Gerfen, J.* , C. Rahn-Lee* and T.L. Davis, June 18-23, 2006, abstract and poster, Gordon Research Conference on Mammalian Gametogenesis and Embryogenesis, Differential methylation of the *Rasgrfl* DMR in imprinted, biallelic and non-expressing tissue.
- Stein, G.* , L.M. He*, E. Powell* and T.L. Davis, June 18-23, 2006, abstract and poster, Gordon Research Conference on Mammalian Gametogenesis and Embryogenesis, Paternal allele-specific methylation is acquired at the *Gtl2* DMR during early embryonic development.
- Davis, T.L., October 24, 2005, invited talk, Catholic University of America, Mom's DNA... too much of a good thing?
- He, L.M.* , E. Powell*, G. Stein* and T.L. Davis, July 24-27, 2005, abstract and poster, 38th Annual Meeting of the Society for the Study of Reproduction, Paternal allele-specific methylation is acquired at the promoter of the imprinted mouse *Gtl2* locus post-fertilization.

- Gerfen, J.*, C. Rahn-Lee* and T.L. Davis, July 24-27, 2005, abstract and poster, 38th Annual Meeting of the Society for the Study of Reproduction, Methylation analysis of the imprinted *Rasgrfl* gene in tissues exhibiting monoallelic, biallelic or no expression.
- Bhogal, B.*, A. Arnaudo*, A. Dymkowski*, A. Best* and T.L. Davis, June 6-11, 2004, abstract and poster, Gordon Research Conference on Mammalian Gametogenesis and Embryogenesis, Paternal allele-specific methylation at the mouse *Cdkn1c* (*p57*) gene is acquired during embryogenesis.
- Davis, T.L., March 12, 2003, invited talk, Muhlenberg College, Mammals need a mom and a dad: Establishing genomic imprinting marks during development.
- Davis, T.L., February 19, 2003, invited talk, Dickinson College, Mammals need a mom and a dad: Establishing genomic imprinting marks during development.
- Arnaudo, A.*, S. Naik* and T.L. Davis, July 28-31, 2002, abstract and poster, 35th Annual Meeting of the Society for the Study of Reproduction, The acquisition of paternal-specific methylation during gametogenesis.
- Davis, T.L., A. Arnaudo* and S. Naik*, June 30-July 5, 2002, abstract and poster, Gordon Research Conference on Mammalian Gametogenesis and Embryogenesis, The acquisition of paternal-specific methylation during gametogenesis.
- Davis, T.L., April 30, 2002, invited participant, National Institute of Child Health and Human Development, NIH, Workshop on Imprinting in Gametogenesis and Development.
- Davis, T.L., April 3, 2002, invited talk, St. Joseph's University, Why mammals need a mom and a dad: Establishing imprinting marks during development.
- Davis, T.L., October 19, 2001, invited talk, National Institute of Child Health and Human Development, NIH, Establishment of imprinting marks during gametogenesis.
- Davis, T.L., July 2001, abstract and invited talk, 34th Annual Meeting of the Society for the Study of Reproduction, The establishment of epigenetic imprinting marks during gametogenesis.
- Davis, T.L., January 2001, invited talk, University of Pennsylvania Scientific Careers Seminar Series, Teaching and conducting research at a liberal arts college.
- Davis, T.L. and M.S. Bartolomei, October 2000, abstract and poster, Cold Spring Harbor Meeting on Germ Cells, Parental allele-specific acquisition of methylation at the *H19* locus during male gametogenesis.
- Davis, T.L., G.J. Yang*, J. McCarrey and M.S. Bartolomei, October 1999, abstract and invited talk, 13th International Mouse Genome Conference, Methylation is acquired at different times on the maternal and paternal *H19* alleles during male germ cell development.
- Davis, T.L. and M.S. Bartolomei, October 1998, abstract and poster, Cold Spring Harbor Meeting on Gametogenesis, Establishment of methylation at the *H19* locus during male germ cell development.
- Davis, T.L. and M.S. Bartolomei, July 1998, abstract and poster, Gordon Research Conference on Chromatin Structure and Function, Establishment of methylation at the *H19* locus during male germ cell development.
- Davis, T.L., K.D. Tremblay and M.S. Bartolomei, October 1997, abstract and poster, 11th International Mouse Genome Conference, Analysis of *H19* expression and methylation in murine extraembryonic tissues.
- Davis, T.L. and B. Meyer, July 1996, abstract and poster, 1996 West Coast *C. elegans* Meeting, *SDC-3* and the assembly of an X chromosome dosage compensation complex.
- Davis, T., P.T. Chuang and B.J. Meyer, June 1995, abstract and invited talk, 10th International *C. elegans* Meeting, A molecular mechanism for X chromosome dosage compensation in *C. elegans*.
- Davis, T. and B. Meyer, July 1994, abstract and poster, 1994 West Coast *C. elegans* Meeting, Analysis of *sdC-3* and its role in hermaphrodite development.

COURSES TAUGHT AT BRYN MAWR COLLEGE

regular offerings: Biology 101: Introductory Biology
 Biology 111: Biological Exploration II
 Biology 201: Genetics
 Biology 372: Molecular Biology
 Biology 376: Integrated Biochemistry & Molecular Biology II
 Biology 393: Senior Seminar in Molecular Genetics
 Biology 403: Supervised Research

occasional offerings/guest lectures: Biology 236: Evolution
 Biology 271: Developmental Biology
 Biology 375: Integrated Biochemistry & Molecular Biology I

RESEARCH STUDENTS SUPERVISED

Undergraduate Student Research Assistants:

Anna Arnaudo, '02	Emily Bergbower, '11	Alison Best, '03
Balpreet Bhogal, '04	Meredith Calandra, '04	Amber Carmo, '01
Lauren Dockery, '08	Alyson Dymkowski, '04	Alyssa Gagne, '11
Jennifer Gerfen, '06	Christina Harview, '09	Lu Mei He, '06
Rachel Horton, '07	Kirsten Jusewicz-Haidle, '09	Nelly Khaselev, '11
Francesca Marangell, '09	Sara Marlow, '11	Sarah McCawley, '02
Avery Miller, '05	Jane Morris, '10	Kamila Nowak, '08
Anuja Ogirala, '01	Tammy Owens, '02	Yaena Park, '08
Stephanie Pollack, '08	Elizabeth Powell, '05	Mahvish Qureshi, '10
Charlotte Rahn-Lee, '05	Lilah Rahn-Lee, '05	Amelie Raz, '11
Meghan Shayhorn, '01	Geneva Stein, '06	Ruth Worrell, '01

A.B./M.A. Student Research Assistant:

Snehal Naik, '03: thesis, Searching for Global Mechanisms of Imprinting Regulation: Comparison of Paternal Allele-Specific Methylation at Imprinted mouse *H19* and *gtl2*.

Dorothy Nepper Marshall Fellows Supervised:

- Anna Arnaudo, '02; teaching component: Bio201, Genetics, Fall 2001; research component: Summer 2001-Spring 2002.
- Snehal Naik, '03; research component: Summer 2002-Spring 2003.

EXTRAMURAL POSTER PRESENTATIONS BY UNDERGRADUATE RESEARCH STUDENTS

*denotes award received by undergraduate research student

- Sara Marlow, An investigation of histone modification in *Rasgrfl* in mouse, 2011 Sigma Xi Student Research Day, Thomas Jefferson University, April 27, 2011.
- Alyssa Gagne, Analysis of differential DNA methylation acquisition at the *Dlk1*-DMR in mouse, 2011 Sigma Xi Student Research Day, Thomas Jefferson University, April 27, 2011.
- Bailey Baumann*, The identification of AMPA receptor in *Hirudo medicinalis*, 2nd Annual Lehigh Valley Society for Neuroscience Undergraduate Conference, April 16, 2011.
- Amelie Raz*, Epigenetic consequences of sexual vs. asexual development in the pea aphid, 13th Annual Undergraduate Research Symposium in the Chemical and Biological Sciences at the University of Maryland, Baltimore County, October 30, 2010. First place prize in the Biological Sciences 3 category: \$50 gift certificate to Barnes & Noble.

- Alyssa Gagne*, Analysis of differential DNA methylation acquisition at the *DLK1*-DMR in mouse, 13th Annual Undergraduate Research Symposium in the Chemical and Biological Sciences at the University of Maryland, Baltimore County, October 30, 2010. Second place prize in the Biological Sciences 4 category: \$50 gift certificate to Barnes & Noble.
- Sara Marlow*, An investigation of histone modification in *Rasgrfl* in mouse, 13th Annual Undergraduate Research Symposium in the Chemical and Biological Sciences at the University of Maryland, Baltimore County, October 30, 2010. Second place prize in the Biochemistry and Molecular Biology 3 category: \$50 gift certificate to Barnes & Noble.
- Alyssa Gagne, Analysis of differential DNA methylation acquisition at the *DLK1*-DMR in mouse, 7th Annual Undergraduate Science Research Symposium, Haverford College, September 25, 2010.
- Jennifer Gerfen, Methylation analysis of the imprinted *Rasgrfl* gene in tissues exhibiting monoallelic, biallelic or no expression, 2nd Annual Undergraduate Science Research Symposium, Haverford College, October 29, 2005.
- Lu Mei He, Parental allele-specific methylation is acquired at the promoter of the imprinted mouse *Gtl2* locus post-fertilization, 2nd Annual Undergraduate Science Research Symposium, Haverford College, October 29, 2005.
- Jennifer Gerfen, Methylation analysis of the imprinted *Rasgrfl* gene in tissues exhibiting monoallelic, biallelic or no expression, 8th Annual Undergraduate Research Symposium in the Chemical and Biological Sciences, University of Maryland, Baltimore County, October 15, 2005.
- Geneva Stein*, Methylation acquisition on the paternal allele of mouse gene *Gtl2*, 8th Annual Undergraduate Research Symposium in the Chemical and Biological Sciences, University of Maryland, Baltimore County, October 15, 2005. Second place prize in the Biochemistry and Molecular Biology Poster Session: \$50 gift certificate to Barnes & Noble.
- Avery Miller, Determining the 3' boundary of differential methylation in the mouse *p57 (Cdkn1c)* gene, 16th Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 8, 2005.
- Elizabeth Powell, Examination of differential methylation on mouse gene *Gtl2* island 4, 16th Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 8, 2005.
- Charlotte Rahn-Lee, Methylation and expression of imprinted mouse gene *Rasgrfl*, 16th Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 8, 2005.
- Balpreet Bhogal and Alyson Dymkowski, Establishment of paternal-specific methylation at *p57* in mouse, 15th Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 23, 2004.
- Alyson Dymkowski* and Balpreet Bhogal*, Investigation of Differential Methylation at *p57* in Mouse, 6th Annual Undergraduate Research Symposium in the Chemical and Biological Sciences, University of Maryland, Baltimore County, November 1, 2003. First place prize in Biological Sciences Poster Session.
- Alison Best, Alyson Dymkowski, and Balpreet Bhogal, Investigation of differential methylation at *p57* in mouse, 14th Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 11, 2003.
- Snehal Naik, Investigation of differential methylation of the mouse *Dlk1-gtl2* locus, 14th Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 11, 2003.
- Tammy Owens and Anuja Ogirala, Paternal-specific acquisition of differential methylation patterns at the *H19* locus in the developing female germ line, 4th Annual Undergraduate Research Symposium in the Chemical and Biological Sciences, University of Maryland, Baltimore County, October 6, 2001.

- Anna Arnaudo*, Determining an area of differential methylation in the imprinted mouse *p57* gene, 4th Annual Undergraduate Research Symposium in the Chemical and Biological Sciences, University of Maryland, Baltimore County, October 6, 2001. First place prize in Biological Sciences Poster Session: plaque and subscription to *Science* magazine.
- Anna Arnaudo*, Determining an area of differential methylation in the imprinted mouse *p57* gene, Kimmel Cancer Center undergraduate research symposium, Thomas Jefferson University, September 24, 2001. Third place prize in poster competition: \$250.
- Anuja Ogirala*, Methylation patterns within the *H19* locus in developing stages of mouse pro-oogonia, 3rd Annual Undergraduate Research Symposium in the Chemical and Biological Sciences, University of Maryland, Baltimore County, October 20, 2000. First place prize in Biological Sciences Poster Session: plaque and subscription to *Science* magazine.

GRADUATE STUDENT SUPERVISORY ROLES

- Ph.D. Supervising committee member, Shannon Dalton (Chemistry/Sharon Burgmeyer)
- Master's exam committee member, James Schweppe (Chemistry/Susan White), Spring 2001
- Master's exam committee member, Shannon Dalton (Chemistry/Sharon Burgmeyer), Fall 2004
- Chair of Ph.D. Supervising Committee for Cheryl Selah (Chemistry/Susan White)
- Chair of Ph.D. Dissertation Committee for Tina Ross (Chemistry/Bill Malachowski)

SELECTED EXTRAMURAL PROFESSIONAL ACTIVITIES

- ad-hoc reviewer for *Biology of Reproduction*, *Human Molecular Genetics*, *Molecular Reproduction and Development*.
- March 2011: panelist for University of Pennsylvania graduate student workshop, Teaching at a Liberal Arts College.
- March 2010: ad-hoc reviewer for National Institutes of Health Special Emphasis Panel.
- February 2008: reviewer, proposed Integrated Genetics textbook, John Wiley and Sons.
- October 2007: ad-hoc member of Cellular, Molecular and Integrative Reproduction Study Section, National Institutes of Health Center for Scientific Review.
- Programming Committee & Session Organizer for the 41st Annual Meeting of the Society for the Study of Reproduction, May 26-29, 2008, Hawaii.
- June 21, 2006: Panelist in Career Development Workshop at the Gordon Research Conference on Mammalian Gametogenesis and Embryogenesis, June 18-23, 2006.
- November 2003: Review two chapters for Griffiths *et al.*, *An Introduction to Genetic Analysis*, 8th edition, W.H. Freeman and Company.
- September 2002: reviewer, molecular biology textbook proposal, Blackwell Publishing.
- June 2002: provider of questions for the GRE test in Biochemistry, Cell and Molecular Biology, Educational Testing Service.
- July 2001: Evaluation of four chapters in *Principles of Molecular Biology*, W.W. Norton & Company.

PROFESSIONAL MEMBERSHIPS

- 2002-present, Council on Undergraduate Research
- 2001-present, Society for the Study of Reproduction
- 1999-present, AAAS
- 1998-present, DNA Methylation Society

SELECTED COMMITTEE WORK, SERVICE TO THE COLLEGE AND OUTREACH

on-going service commitments

- Fall 2011-present: member of Committee on Academic Priorities.
- Fall 2011-present: member of Bryn Mawr College Biology Search Committee, Ecologist Search.
- June 2009-present: Chair of Biology Department.
- May 2008-present: Associate Grand Marshal, Grand Marshal.
- June 2007-present: Biology Department representative to Pre-Med Committee.
- Fall 2000-present: Bryn Mawr College Institutional Animal Care & Use Committee-IACUC.

previous service commitments

- Summer 2011: Chair of Bryn Mawr College Biology Search Committee, Visiting Assistant Professor in Genomics.
- Fall 2010: Co-Chair, Bryn Mawr College Biology Search Committee, CNTT for Post-baccalaureate Introductory Biology instruction.
- Fall 2009-Spring 2011: Board of Trustees Task Force on the Competitive Position of the College.
- May 2008-May 2010: Joint Curriculum Renewal Group.
- Fall 2008: member of Bryn Mawr College Biology Search Committee, Computational Ecologist Search.
- Fall 2007-Spring 2009: member of Facilities Planning Committee.
- Fall 2007: member of Bryn Mawr College Biology Search Committee, Evo-Devo Search.
- Spring 2007-Fall 2008: coordinator of Bryn Mawr Summer Science Research Program.
- Fall 2006-Spring 2007, Spring 2001-Spring 2002: Bryn Mawr Curriculum Committee.
- Fall 2006: member of Bryn Mawr College Biology Search Committee, Biochemistry Search.
- Fall 2005: member of Bryn Mawr College Biology Search Committee, Biochemistry Search.
- Spring 2005-Fall 2006: Board of Trustees Task Force on Optimal Undergraduate Enrollment.
- Spring 2005-Spring 2007: President's Advisory Group on Work/Family Issues.
- Spring 2005: member of the Mellon Mays Undergraduate Fellowship Program selection committee.
- Fall 2004-Spring 2005: member of the Committee on Libraries, Information Services and Computing.
- Fall 2003-Spring 2009: Biology Department major advisor.
- Fall 2002: member of Bryn Mawr College Biology Search Committee, Ecology Search.
- Fall 2001-Spring 2004: member of the Keck Postdoctoral Search Committee.
- Fall 2000: faculty representative to the Haverford College Biology Search Committee.
- September 21, 2009: presentation to high school guidance counselors, science education & research at BMC.
- July 23, 2009: provide research lab tour for groups of perspective students at Open Campus Day.
- April 13, 2008: faculty speaker for Open Campus Days Master Classes.
- October 5, 2007: speaker at First Friday Faculty Club Lunch series, Why a mammal needs a biological mom and dad: Mom's DNA... too much of a good thing?
- July 10, 2007 & July 7-8, 2008: guest lecturer, Science for College.
- October 9, 2006: panelist for "Professors as Colleagues" at Open Campus Day.
- September 22, 2006: panelist at New Faculty Orientation, Pedagogy Outside the Classroom.
- *September 2006-present: first year student advising.
- August 2, 2006: workshop leader for K-12 teachers at Summer Science Institute.
- April 1, 2006: presentation to alumnae at Challenging Women campaign event.

- February 2005; November 4, 2005, February 23, 2007: guest lecturer, Fridays in the Lab for high school students.
- November 2004: research talk presented at Parent's Weekend.
- summer 2002, 2004, 2005, 2006, 2008, 2010: faculty representative welcoming prospective students at summer Open Campus Day.
- April 2002: moderator at Student Research Panel during Open Campus Days.