

DEBORAH L. ROBERTSON

Clark University
Biology Department
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Worcester, MA 01610
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EDUCATION

<i>The University of Chicago</i>	Chicago, IL
Ph.D. Molecular Genetics and Cell Biology	1997
<i>California State University, Long Beach</i>	Long Beach, CA
M.S. Biology	1988
<i>Kalamazoo College</i>	Kalamazoo, MI
B.A. Biology	1981

POSITIONS HELD

Associate Professor of Biology, Clark University	2006-present
Assistant Professor of Biology, Clark University	2000- 2006
Faculty Advisor, REU Program, Cornell University, Shoals Marine Laboratory	2001, 2002
Lecturer, Cornell University, Shoals Marine Laboratory	1999- 2001
National Research Service Award, Post-doctoral Fellow, Harvard University	1997-2000

FELLOWSHIPS AND SCHOLARSHIPS

NRSA-NIH Post-doctoral Fellow, Harvard University	1997-2000
E.H. Myers and E.M. Myers Oceanographic and Marine Biology Trust.	1991, 1992
Graduate Fellowship Program for Under Represented and Minority Students.	1986
Women's League of Long Beach Scholarship.	1986

ACADEMIC HONORS

<i>Outstanding Teacher Award.</i> Clark University	2005
<i>Hodgkins Junior Faculty Award.</i> Clark University	2003
<i>Harold C. Bold Award</i> (Honorable Mention). Phycological Society of America.	1995
<i>Outstanding Student Presentation.</i> Western Society of Naturalists Annual Meeting.	1994
<i>Kenneth Johnson Outstanding Thesis Award.</i> California State University, Long Beach	1989
<i>Graduate Dean's List of Artists and Scholars.</i> California State University, Long Beach	1988
<i>Southern California Edison Award for Outstanding Academic Performance.</i>	1986

SCHOLARLY AND CREATIVE ACTIVITY

GRANTS

Robertson, D.L. 2011-2014. Regulation of nitrogen assimilation in marine diatoms: Investigation of the importance of post-transcriptional processes. National Science Foundation (Funded: \$385,381, 36 mos)

Robertson, D.L. May 2007. REU Supplement for CAREER: Nitrogen Assimilation in Marine Algae: Evolution, Physiology, and Educational Opportunities. National Science Foundation. (Funded: \$6,000 12 mos)

Robertson, D.L. June 2006. REU Supplement for CAREER: Nitrogen Assimilation in Marine Algae: Evolution, Physiology, and Educational Opportunities. National Science Foundation. (Funded: \$6,000 12 mos)

Foster, S.A., Livdahl, T., Robertson, D.L., and Hibbett, D.S. (co-directors). January 2006. Complementary Curricular Networks: Tools to Enhance Undergraduate Biology Education. (Funded: \$300,000)

- Robertson, D.L. June 2005. REU Supplement for CAREER: Nitrogen Assimilation in Marine Algae: Evolution, Physiology, and Educational Opportunities. National Science Foundation. (Funded: \$11,340 12 mos)
- Livdahl, T. (PI) and Robertson, D.L. (Co-PI). June 2005. Ecology of large and small scale mosquito invasions. NIH, Academic Research Enhancement Award (Funded: \$216, 900, 36 mos)
- Robertson, D.L. March 2003. CAREER: Nitrogen Assimilation in Marine Algae: Evolution, Physiology, and Educational Opportunities. National Science Foundation. (Funded: \$541,433, 60 mos; currently in a no cost extension).
- Robertson, D.L. July 1997. Translational regulation of a circadian expressed protein. Individual National Research Service Award, National Institutes of Health. (Funded: \$87,168, 36 mos.)

MANUSCRIPTS IN PREPARATION

- Robertson, D.L. and K.L. Brown. Interactions between nitrate and ammonium assimilation: Is mRNA stability important?
- Goshroy, S. and D.L. Robertson. The role of horizontal gene transfer in the evolution of nitrogen assimilating enzymes in the Prasinophytes.

PUBLICATIONS

- Ghoshroy, S. and D.L. Robertson. 2012. Molecular evolution of glutamine synthetase II and III in the chromalveolates. **J. Phycol.** ,
- Ghoshroy, S. M. Binder, A. Tartar, and D.L. Robertson. 2010. Molecular evolution of glutamine synthetase II: Phylogenetic evidence of a non-endosymbiotic gene transfer event early in plant evolution **BMC Evolutionary Biology**, 10:198. doi:10.1186/1471-2148-10-198 (<http://www.biomedcentral.com/1471-2148/10/198>).
- Kaplan, L., Kendell, D., Robertson, D.L., Livdahl, T. and C. Khatchikian. 2010. *Aedes aegypti* and *Aedes albopictus* in Bermuda: extinction, invasion, invasion and extinction. **Biological Invasions**. 12:3277-3288.
- Slot, J.C., K.N. Hallstrom, P.B. Matheny, K. Hosaka, G. Mueller, D.L. Robertson, and D.S. Hibbett. 2009. Structural and functional diversity of high affinity nitrate transporters in three clades of mushroom forming fungi from different ecologies. **Fungal Ecology**. <http://dx.doi.org/10.1016/j.funeco.2009.10.001>
- Brown, K.L, Twing, K*, and D.L. Robertson. 2009. Unraveling the regulation of nitrogen assimilation in the marine diatom *Thalassiosira pseudonana* (Bacillariophyceae): diurnal variations in transcript levels for five genes involved in nitrogen assimilation. **J. Phycol.**45: 413–426
- Banerjee, G., D.L. Robertson, T. Leonard. 2008. Hydrophobins Sc3 and Sc4 gene expression in mounds, fruiting bodies and vegetative hyphae of *Schizophyllum commune*. **Fungal Genet. Biol.**, 45: 171-178 (doi:10:1016/j.fgb.2007.10.018)
- Robertson, D.L. and A. Tartar. 2006. Evolution of glutamine synthetase in heterokonts: evidence for endosymbiotic gene transfer and the early evolution of photosynthesis. **Mol. Biol. Evol.** 23(5):1048-1055.
- Takabayashi, M. F. Wilkerson, and D. Robertson. 2005 Response of glutamine synthetase gene transcription and enzyme activity to external nitrogen sources in the diatom *Skeletonema costatum* (Bacillariophyceae). **J. Phycol.** 41: 84-94
- Robertson, D.L., G.J. Smith, and R.S. Alberte. 2001. Glutamine synthetase in marine algae: New surprises from an old enzyme. **J. Phycol.** 37(5): 37:793-795.
- Okamoto, O.K., L. Liu, D.L. Robertson, and J.W. Hastings. 2001. Members of a dinoflagellate luciferase gene family differ in synonymous substitution rates. **Biochemistry**. 40:15862-15868.
- Okamoto, O.K., D.L. Robertson, T.Fagan, J.W. Hastings and P. Colepicolo. 2001. Different regulatory mechanisms modulate the expression of a dinoflagellate iron-superoxide dismutase. **J. Biol. Chem.** 276: 19989-19993
- Li, L., L. Liu, R. Hong*, D.L. Robertson, and J.W. Hastings. 2001. N-terminal histidines are responsible for the decrease in luciferase activity at pH 8. **Biochemistry**. 40(6):1844-1849.

- Robertson, D.L., G.J. Smith, and R.S. Alberte. 1999. Characterization of a cDNA encoding glutamine synthetase from the marine diatom *Skeletonema costatum*. **J. Phycol.** 35:786-797.
- Robertson, D.L., and R.S. Alberte. 1996. Purification and biochemical characterization of glutamine synthetase from *Skeletonema costatum*. **Plant Physiol.** 111:1169-1175.
- Coyer, J.A., D.L. Robertson, R.S. Alberte. 1995. Genetic variability and parentage in *Macrocystis pyrifera* (Phaeophyceae) using multi-locus DNA fingerprinting. **J. Phycol.** 31:819-823.
- Coyer, J.A., D.L. Robertson, and R.S. Alberte. 1994. Genetic variability within a population and between diploid/haploid tissue of *Macrocystis pyrifera* (Phaeophyceae). **J. Phycol.** 30:545-552.
- Urbach, E., D.L. Robertson, and S.W. Chisholm. 1992. Multiple origins of prochlorophytes revealed by 16s rRNA phylogeny. **Nature.** 335:267-270.
- Swift, H. and D.L. Robertson. 1991. Structural aspects of a *Prochloron*-tunicate symbiosis. **Symbiosis.** 10:95-113.
- Bray, R.N., A.C. Miller, S.C. Johnson, P.R. Krausse, D.L. Robertson, A.M. Westcott. 1988. Ammonium excretion by macroinvertebrates and fishes on a subtidal rocky reef in southern California. **Mar. Biol.** 100:21-30.
- Zimmerman, R.C. and D.L. Robertson. 1986. Effects of El Niño on local hydrography and growth of the giant kelp, *Macrocystis pyrifera*, at Santa Catalina Island, California. **Limnol. Oceanogr.** 30(6):1298-1302.

INVITED SEMINARS

<i>Northeastern University</i> , Department of Biology, Boston, MA	2012
<i>Worcester Polytechnic Institute</i> , Department of Biology, Worcester, MA	2012
<i>University of Rhode Island</i> , Department of Biology. Kingston, RI	2011
<i>Marine Biological Laboratory</i> , Ecosystem Center, Woods Hole, MA	2008
<i>University of Rhode Island</i> , Department of Biology. Kingston, RI	2007
<i>Marine Research Center</i> , Stonybrook University, Stonybrook, NY	2005
<i>University of New Hampshire</i> , Biology Department, Durham NH	2003
<i>University of Connecticut</i> . Department of Ecology and Evolution Biology, Storrs, CT	2002
<i>University of Goettingen</i> . Zoologisches Institut. Goettingen. Germany	2000
<i>Northeastern University</i> . Department of Biology. Boston, MA	1999
<i>Cornell University</i> . Shoals Marine Laboratory, Portsmouth, NH	1999
<i>University of Rhode Island</i> . Department of Biology. Kingston, RI	1998
<i>Purchase College</i> . Division of Natural Sciences. Purchase, NY	1998
<i>Universidad Autónoma de Baja California</i> . Ensenada Mexico	1994

RECENT PRESENTATIONS

2012. Alexander, J., M. Perera, S. Goshroy, and D.L. Robertson. Identification and characterization of PUF family RNA-binding proteins in the marine diatom *Thalassiosira pseudonana*. Northeast Algal Society, Schoodic Point, ME.
2012. Perera, M., J. Alexander, S. Goshroy, and D.L. Robertson. Characterization of 3'UTR sequences in mRNA encoding nitrogen assimilating enzymes from marine diatoms. Northeast Algal Society, Schoodic Point, ME.
2012. Scott, D.W. and D.L. Robertson. Exploration of the role of 3'UTRs in regulating mRNA stability in the marine diatom *Thalassiosira pseudonana*. Northeast Algal Society, Schoodic Point, ME.
2011. Robertson, D.L., G. Goodrich, M. Perera, S. Ghoshroy, and P. Kapur*. Post transcriptional regulation of nitrogen assimilation in marine diatoms. Phycological Society of America. Seattle, WA.
2011. Robertson, D.L., G. Goodrich, M. Perera, S. Ghoshroy, and P. Kapur*. Post transcriptional regulation of nitrogen assimilation in marine diatoms. Molecular Life of Diatoms. Atlanta, GA.

2011. S. Ghoshroy and D.L. Robertson. Molecular evolution of glutamine synthetase II and III in select chromalveolate lineages. Northeast Algal Society, Woods Hole, MA
2011. Robertson, D.L., G. Goodrich, M. Perera, and P. Kapur*. Post-transcriptional regulation of nitrogen assimilation in marine diatoms. Northeast Algal Society, Woods Hole, MA
2010. Robertson, D.L. and S. Ghoshroy. 2010. Phylogenetic analyses of glutamine synthetase III provides evidence of a recent horizontal gene transfer from diatoms to the prasinophytes. Phycological Society of America. East Lansing, MI
2009. Brown, K.L. and D.L. Robertson. Regulation of nitrogen assimilation in marine diatoms: Is RNA turnover important? Plant Biology 2009. American Society of Plant Biologists/Phycological Society of America (July).
2009. Ghoshroy, S., A. Tartar, and D.L. Robertson. Molecular evolution of the glutamine synthetase II gene family: Evidence of lateral gene transfer from prokaryotes to eukaryotes during the early evolution of the Viridiplantae. Northeast Algal Symposium.
2008. Brown, K.L., B. Winant*, V. Chesler-Munoz, J. Foley, and D.L. Robertson. Who, what, and when? Using molecular tools to examine temporal changes in diatom gene expression in response to nutrient availability. Oceans Sciences Meeting.
2007. Brown, K.L., Twing, K*, and D.L. Robertson. Steps towards unraveling the regulation of nitrogen assimilation in the marine diatom *Thalassiosira pseudonana* (Bacillariophyceae): variations in mRNA levels of five key nitrogen-assimilating enzymes in response to environmental cues. Botany 2007.
2007. Brown, K.L., Twing, K*, and D.L. Robertson. Steps towards unraveling the regulation of nitrogen assimilation in the marine diatom *Thalassiosira pseudonana* (Bacillariophyceae): variations in mRNA levels of five key nitrogen-assimilating enzymes in response to environmental cues. Phycological Society of America.
2007. Twing, K*, K. Brown, and D.L. Robertson. Diurnal oscillations in nitrate reductase transcript abundance in the marine diatom *Thalassiosira pseudonana* (Bacillariophyceae): Influence of nitrate, light, and the circadian oscillator. Northeast Algal Society.
2007. Tartar, A., S. Ghoshroy, Brown, K.E.*, and D.L. Robertson. Phylogenetic analyses of GSIII and GSII: Evidence for a shared evolutionary history among heterokonts and haptophytes? Northeast Algal Society.
2007. Brown, K.L. and D.L. Robertson. Diurnal oscillations in the abundance of nitrate reductase mRNA in the marine diatom *Thalassiosira pseudonana*. Northeast Algal Society.
2006. Tartar, A., S. Ghoshroy, and D.L. Robertson. 2006. Phylogenetic analyses of GSIII and GSII: Evidence for a shared evolutionary history among heterokonts and haptophytes? Phycological Society of America.
2006. Ghoshroy, S., A. Tartar, and D.L. Robertson. Unraveling the evolutionary history of glutamine synthetase II in photosynthetic lineages with an emphasis on rhodophytes. Northeast Algal Society.
2005. Ghoshroy, S. and D.L. Robertson. Evolution of glutamine synthetase in rhodophytes. Northeast Algal Society
2005. Zadykovicz, E. and D.L. Robertson. Phylogenetic relationships among glutamate synthase (GOGAT) enzymes. Northeast Algal Society
2004. Robertson, D.L. S. Ghoshroy, M.L. Letsch*. Glutamine synthetase gene families: An evolutionary perspective. Northeast Algal Society
2004. Robertson, D.L. and M. Gershenovich. Glutamine synthetase expression in the marine diatom *Skeletonema costatum*. ASLO Ocean Sciences Meeting
2003. Robertson, D.L., M. Takabayshi, and F. Wilkerson. Molecular evolution of glutamine synthetase in protists. Phycological Society of America
2003. Dubois, J*. and D.L. Robertson. Bottom-up effects in the rocky intertidal: Do gulls make a difference. Benthic Ecology Meetings.
2000. Robertson, D.L. and J.W. Hastings. Evolution of bioluminescence in dinoflagellates. Phycological Society of America.

2000. Liu, L. D.L. Robertson and J.W. Hastings. N-terminal histidines are responsible for the decrease in luciferase activity at pH 8. 11th International Symposium on Bioluminescence and Chemiluminesce.
- 1997: Smith, G.J., Y. Gao, D.L. Robertson, A. Cabello-Pasini, F. Jochem, R.C. Zimmerman, D.G. Kohrs, and R.S. Alberte. Response of nitrate metabolism in *Skeletonema costatum* to variations in N-source availability. AGU/ASLO Ocean Sciences Meeting.
1997. Jochem, F.J., G.J. Smith, Y. Gao, R.C. Zimmerman, D.L. Robertson, A. Cabello-Pasini, D.G. Kohrs, and R.S. Alberte. Temporal changes in cell composition and growth of *Skeletonema costatum* upon a shift in N supply. AGU/ASLO Ocean Sciences Meeting.
1996. Robertson, D.L., G.J. Smith, and R.S. Alberte. Molecular analysis of glutamine synthetase from *Skeletonema costatum*: A tale of two genes. Phycological Society of America.
1996. Robertson, D.L., G.J. Smith, and R.S. Alberte. Glutamine synthetase: A molecular indicator of N-limited growth in *Skeletonema costatum*. AGU/ASLO Ocean Sciences Meeting.
1995. Robertson, D.L. and R.S. Alberte. Purification of glutamine synthetase from the diatom *Skeletonema costatum* reveals a novel form of the enzyme. Phycological Society of America.
1994. Robertson, D.L. and R.S. Alberte. Purification of glutamine synthetase from the diatom *Skeletonema costatum*. Western Society of Naturalists.
1994. Coyer, J.A., D.L. Robertson, and R.S. Alberte. Parentage analysis by multi-locus DNA fingerprinting in the giant kelp, *Macrocystis pyrifera* (Phaeophyceae). Western Society of Naturalists.
1994. Robertson, D.L. and R.S. Alberte. Molecular characterization of glutamine synthetase from the marine diatom *Skeletonema costatum*. AGU/ASLO Ocean Sciences Meeting.
- *denotes undergraduate students

TEACHING, ADVISING, AND MENTORING

COURSES TAUGHT AT CLARK UNIVERSITY

Marine Biology (Biol. 114: Lecture/Field Trips; 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2008, 2009; 2010 addition of lab sections, 201, 2012)

Introductory Biology (Biol. 102: Lecture/Lab; 2002, 2006, 2007, 2009, 2011, 2012 [team taught])

Topics in Marine Biology (Biol. 223/323: Seminar; 2002, 2005, 2007, 2009, 2011)

Ecology of Atlantic Shores (Biol. 201/301: Lecture/Field; 2002, 2004, 2006, 2008, 2010, 2012 [with T. Livdahl])

Physiological Ecology of Marine Algae (Biol. 232/332: Lecture/Lab 2005, 2006, 2008, 2012)

Molecular Genetics (Biol/BCMB 228/328 Lecture; 2009)

Directed Readings (Biol. 299, 2001)

Directed Research (Biol. 299/399, every semester 2000-2012)

Biodiversity (Biol. 104: Lecture/Lab; 2001 [with D. Hibbett], 2003)

Molecular Systematics & Evolution (Biol. 254/354: Lecture/Lab, 2003 [with D. Hibbett])

UNDERGRADUATE ADVISING

First year and undergraduate advisor (2000-2001 8 students; 2001-2002 18 students; 2002-2003 20 students; 2003-2004 24 students; 2004-2005 19 students; 2005-2006 19 students, 2006-2007 28 students, 2007-2008 14 students, 2008-2009 16 students; 2010-2011 26 students; 2011-2012 27 students)

POST-GRADUATE RESEARCH ASSOCIATES

Tartar, Aurelien 2004- 2006. Currently, Assistant Professor at Nova Southeastern University. Florida.

Ghoshroy, Sohini. 2011-present

GRADUATE STUDENTS

- Scott, Dylan. MA (2012) Examining the role of the 3'-UTR in altering mRNA stability of the nitrogen assimilatory enzyme nitrate reductase in the marine diatom *Thalassiosira pseudonana*.
- Ghoshroy, Sohini. Ph.D. (2011) Glutamine synthetase gene family evolution in select lineages of photosynthetic eukaryotes.
- Brown, Katherine. MA (2006) Regulation of nitrate reductase mRNA levels in the marine diatom *Thalassiosira psuedonana*.
- Gershenovich, Michael. MA. (2003). Glutamine synthetase expression in marine diatoms.
- Hendrickson, Freya. MA (2003). Influences of Habitat on Fish Behavior: Comparing Spatial Memory of Cichlids (supervised by Carol Shumaway, New England Aquarium).

UNDERGRADUATE HONORS RESEARCH

- Friedman, Katherine (2012). The effects of nitrate fertilization on the physiology of a common salt marsh cordgrass species, *Spartina alterniflora* (Highest Honors, Biology)
- Kapur, Priyanka (2011) RBP mediated post-transcriptional regulation of nitrate reductase in *Thalassiosira pseudonana* (High Honors, BCMB)
- Brown, Kevin (2008) Molecular characterization of GSII and GSIII from the marine haptophyte *Emiliana huxleyi* provides insights into the evolution of the GS superfamily (Honors, Biology)
- Winant, Bryce (2008) Internal nitrate pools and nitrate reductase transcript levels in the marine diatom *Skeletonema costatum*: variability due to light and nitrogen source (Honors, Biology)
- Twing, Katrina (2007) Diurnal oscillations in nitrate reductase transcript abundance in the marine diatom *Thalassiosira pseudonana* (Bacillariophyceae): Influence of nitrate, light, and the circadian oscillator (High Honors, Biology)
- Letsch, Molly (2004) Characterization of glutamine synthetase in *Emiliana huxleyi* (Highest Honors, Biology)
- Gaur, Kriti (2004) Characterization of glutamine synthetase in *Alexandrium tamarensense* (Honors, BCMB)
- Stein, Miquel (2004) Glutamine synthetase expression in *Skeletonema costatum* (Honors, BCMB)
- Byfield, Victoria (2002) Regulation of luciferase expression in *Alexandrium tamarensense*. (High Honors, Biology)
- Gershenovich, Michael (2002) Development of immunological probes to study glutamine synthetase expression. (High Honors, Biology)
- Wood, Misha (2002). Uptake and seasonal growth patterns in *Ascophyllum nodosum*: Response to variations in nitrogen availability (High Honors, Biology)
- Firth, Crystal (2001) Temporal changes in phytoplankton abundance and composition throughout the best growth season for the American Oyster (*Crassostrea virginica*): Implications for aquaculture (High Honors, Biology)

UNDERGRADUATE DIRECTED RESEARCH

- Twenty seven undergraduates have conducted independent research in my laboratory since Sept. 2000
- Faculty advisor for two students (Joanna Dubois [Clark University], Jamie Yassif [Swarthmore]) in the NSF funded REU program at Shoals Marine Laboratory, Cornell University

DOCTORAL DISSERTATION COMMITTEES

- Sonja Dolan (degree awarded 2002)
- Paula Hartzell (degree awarded 2005)
- Jason Slot (degree awarded 2008)
- Rachel Stock (2002 - 2006)
- Zheng Wang (degree awarded 2006)
- Ingo Morgenstern (2001 – 2009, degree awarded, 2009)

Sohini Ghoshroy (Chair, 2002-2010)
Minoli Perera (Chair, 2010 – present)
Brian Seitzman (2008 – 2012)
Stephan Burrows (2009 – 2012)
Xiaoling Yang (2010-present)

RESEARCH EXPERIENCE FOR TEACHERS

Jody Bird, UPCS High School, Worcester, MA (2003, 2004)
Anthony Giampiatruzzi, UPCS High School, Worcester, MA (2004)
Joann Foley, ALL School, Worcester, MA (2006, 2007)
Vanessa Munoz-Chesler, Sullivan Middle School, Worcester, MA (2006, 2007, 2009)

PROFESSIONAL, DEPARTMENTAL, UNIVERSITY, AND COMMUNITY SERVICE

PROFESSIONAL SERVICE

Membership Director, Psychological Society of America (2011-2014)
Member, Editorial Board of the Journal of Phycology (2010-2013)
Member at Large, Northeast Algal Society (2009-2012)
Reviewer, University of San Francisco Biology Department (2007)
Panel Member: NSF Organism-Environment Interactions (2007, 2008, 2009)
Ad hoc reviewer NSF Biological Oceanography, Environmental Genomics, DOE GTL,
Washington Sea Grant, Connecticut Sea Grant, Massachusetts Sea Grant
Panel Member: DOE Microbial Genome Program (2004, 2005), DOE Genomes to Life Program
(2004).
Northeast Algal Society, Nominations Committee and Executive Board (2004-2006), Member at
Large (2009-2012)
Ad hoc Journal Reviewer: Journal of Phycology, Hydrobiologica, Marine Biology Progress
Series, Molecular Biology and Evolution, Phycologia, Plant Physiology, Protist,
Experimental and Ecological Botany, Plos Biology
Diving Control Board, Shoals Marine Lab, Cornell University (2001-2003)

DEPARTMENTAL SERVICE

Curriculum Committee (2004-present)
Campus liaison for Semester in Environmental Sciences, Ecosystem Center, Marine Biological
Laboratory, Woods Hole, MA
Development team for the Complementary Curriculum Network proposal (2003-2005) funded by
the Keck Foundation (January 2006, \$300,000)
Robertson, D.L. and T. Livdahl (2005) HP Technology for Teaching Grant Initiative (\$50,000
equipment request, not funded)
Robertson, Blatt, Hibbett, Thurlow, and Turnbull. (2004). GK-12 Fellows in the Natural
Sciences: A Collaboration between the Worcester Public Schools and the Departments of
Biology, Chemistry, and Physics, of Clark University (submitted to NSF \$1,090,519, not
funded)
Departmental Seminar Coordinator (2001-2002)

UNIVERSITY AND COMMUNITY SERVICE

Chair of the Faculty (2012-2015)
Undergraduate Advisory Board (2011-2012)
Faculty Work Task Force (2010-2012)
Summer Advising of First Year Students (2010)
Graduate Board (2008-2011, chair AY09-10 and AY10-11)
IT Committee (2006-2007)
Library Committee (2006-2007)

Biochemistry and Molecular Biology Program Faculty (2001-present)
Faculty Steering Committee (2003-2006, 2009-2011 as chair of Graduate Board)
Provost Review Committee (PBR subcommittee – Spring 2006)
Active Learning Focus Group (Fall 2003)
College Board (2001 - Fall 2003)
Committee on Academic Convocation (2000- 2003)
Curriculum Study Team and Summer Science Institute (2001, 2002)
Science Open House (2001, 2003, 2004, 2005, 2006, 2008, 2009)
Traina/Carlson Scholarship Interviews (2001, 2002, 2003, 2005, 2006, 2007, 2008, 2009)
Family Weekend Presenter (2001)
Admitted Student Open House (2012)