

EDUCATION

- Ph.D. 1992 University of Colorado, Boulder; Environmental, Population and Organismal Biology
M.S. 1988 University of Colorado, Boulder; Environmental, Population and Organismal Biology
B.S. 1985 University of Wyoming, Laramie; Zoology and Physiology

PROFESSIONAL EXPERIENCE

- Associate Professor, University of California, Santa Barbara, 2004-present
Assistant Professor, University of California, Santa Barbara, 2002-2004
Assistant Professor, Arizona State University, 1999 - 2002
Assistant Professor, University of New Mexico, 1997-1999
Instructor, NSF Antarctic Biology Course, McMurdo Station, Antarctica, January 1999-2001
Postdoctoral Research Fellow, Hopkins Marine Station, Stanford University, 1995-1996
Postdoctoral Research Associate, Oregon State University, 1992-1995

AWARDS, HONORS & FELLOWSHIPS

- Distinguished Teaching Award for Faculty*, Arizona State University, College of Liberal Arts and Sciences, 2001
Bartholomew Award, Division of Comparative Biochemistry and Physiology, Society of Integrative and Comparative Biology, 1998
Marine Biotechnology and Ocean Sciences Postdoctoral Fellowship, National Science Foundation, 1994-1996
Rozella B. Smith Award for Graduate Research, University of Colorado, 1991
EPO Biology Teaching Award, University of Colorado, 1991

GRANTS & AWARDS IN SUPPORT OF RESEARCH

- UCMEXUS award, *Sea urchin environmental genomics*, 07/06 - 07/08; Award: \$25,000
National Science Foundation, Office of Polar Programs, Antarctic Biology and Medicine, PI: G. Hofmann, *Towards an understanding of protein homeostasis in cold-adapted Antarctic fish*. 05/01/05 to 04/30/08; Award: \$510,333
David and Lucile Packard Foundation, *PISCO: The Partnership for Interdisciplinary Studies of Coastal Oceans. A Large-scale, Long-term Ecological Consortium*. PIs: Steve Gaines, Robert Warner, Libe Washburn, G. Hofmann (subcontract from Oregon State University)
Moore Foundation - PISCO award. PIs: Steve Gaines, Robert Warner, Libe Washburn, G. Hofmann (subcontract from Oregon State University)
National Science Foundation, Biological Oceanography, OCE-045107, PI: G. Hofmann, *Finding the genes that matter: Profiling gene expression in stronglycentrotid sea urchins with different biogeographic and temperature distributions*. July 1, 2004-June 30, 2007; Award: \$368,534
National Science Foundation, REU Supplement to NSF Grant OPP 0087971. PI: G. Hofmann; June 2004 to September 2005; Award: \$5,000.
National Science Foundation, REU Supplement to NSF Grant OPP 0087971. PI: G. Hofmann; June 2001 to September 2003; Award: \$5,000.
David and Lucile Packard Foundation, *PISCO: The Partnership for Interdisciplinary Studies of Coastal Oceans. A Large-scale, Long-term Ecological Consortium*. PIs: Steve Gaines, Robert Warner, Libe Washburn, G. Hofmann (subcontract from Oregon State University) January 1, 2004 - December 31, 2004. Award: \$1,240,228
National Geographic Society, *Latitudinal patterns in thermal stress: linking physiology, ecology and climate change*, PI: G. Hofmann and Brian Helmuth, University of South Carolina, February 1 2002 - September 30 2003. Award: \$20,050.

National Science Foundation, ADVANCE Leadership Award, *Supporting Women in Science (SWIS)*, PI: G. Hofmann and Allison Whitmer, November 2001 to September 2003; Award: \$185,175.

Worster Endowment, University of California, Santa Barbara, Awarded to G. Hofmann, September 2002 to August 2007; Endowment: \$125,000

National Science Foundation, International Programs, supplement to OPP 0087971; April 2001, \$28,980.

National Science Foundation, REU Supplement to NSF Grant IBN 0096100. PI: G. Hofmann; April 2001 to May 2002; Award: \$5,000

National Science Foundation, *Evolutionary loss of gene expression in Antarctic fish*. PI: G. Hofmann, Antarctic Biology and Medicine, Office of Polar Programs, OPP 0087971, June 2001 to May 2004; Award: \$392,393

National Science Foundation, Biocomplexity incubation activity: *Linking ecology, physiology and climate change: Influence of environmental stress on community structure in the rocky intertidal*. PI: G. Hofmann, Brian Helmuth, Ann Kinzig, Patricia Halpin, Biocomplexity in the Environment, Award: \$61,896.

National Science Foundation, REU Supplement to NSF Grant IBN 9723063. PI: G. Hofmann; April 1999 to July 2000; Award: \$5,000

National Science Foundation, *Organismal, ecological and evolutionary significance of heat shock proteins and the heat shock response*. Support for a symposium at the annual SICB meeting in Denver, January 6-10, 1999; PI: G. Hofmann, Ecological and Evolutionary Physiology, Award: \$6,000.

National Science Foundation, REU Supplement to NSF Grant IBN 9723063. PI: G. Hofmann; April 1998 to July 1999; Award: \$5,000

National Science Foundation, *Ecological significance of heat shock proteins as molecular chaperones: temperature-dependence of hsp biochemical function in marine fish*. PI: G. Hofmann; Ecological and Evolutionary Physiology, IBN 9723063/IBN 0096100, August 1997 to July 2002; Award: \$209,541.

National Science Foundation, *Immunochemical detection of ubiquitin conjugates as a molecular assay for irreversible protein damage: an intra- and interspecific study of environmental heat stress*. PI: G. Hofmann; Research Fellowship in Marine Biotechnology and Ocean Sciences, Biological Oceanography, OCE 9321695, May 1994 to October 1996; Award: \$90,000.

GRANT PROPOSALS PENDING

IGERT NSF, submitted October 1, 2006
NSF Environmental Genomics, submitted January 29, 2007

PUBLICATIONS

Peer reviewed journals

39. Hofmann, G.E. and S.P. Place (2007) Genomic applications in marine ecology: challenges, risks and pay-offs. *Mar Ecol. Prog. Ser.* (in press).
38. Sea Urchin Genome Sequencing Consortium (2006) The Genome of the Purple Sea Urchin *Strongylocentrotus purpuratus*. *Science* 314: 941-952.

37. Lund, S.G and G.E. Hofmann (2006) Turning up the heat: the effects of thermal acclimation on the kinetics of HSF1 DNA-binding activity and Hsp70 gene expression in the eurythermal goby, *Gillichthys mirabilis*. *Comparative Physiology A* 143: 435-446.
36. Osovitz, C.J. and G.E. Hofmann (2005) Thermal-history dependent expression of the *hsp70* gene in the purple sea urchins: Biogeographic patterns and the effect of thermal acclimation. *J. Exp. Mar. Biol. Ecol.* 327: 134-143.
35. Hofmann, G.E., J.L. Burnaford and K.T. Fielman (2005) Genomics-fueled approaches to current challenges in marine ecology. *Trends Ecol. Evol.* 20(6): 305-311
34. Place, S.P. and G.E. Hofmann (2005) Comparison of Hsc70 orthologues from polar and temperate notothenioid fishes: Differences in the prevention of aggregation and refolding of denatured proteins. *American Journal of Physiology* 288: R1195-R1202.
33. Place, S.P. and G.E. Hofmann (2005) Effects of temperature on the biochemical function of the molecular chaperone, Hsc70 from Antarctic and New Zealand notothenioid fishes. *Cell Stress & Chaperones* (in press)
32. Hofmann, G.E., S.G. Lund, S.P. Place, and A.C. Whitmer (2005) Some like it hot, some like it cold: The heat shock response is found in New Zealand, but not Antarctic notothenioid fishes. *J. Exp. Mar. Bio. Ecol.* 316: 79-89.
31. Place, S.P. and G.E. Hofmann (2005) Constitutive expression of a heat shock protein, *hsp70*, in phylogenetically divergent Antarctic fish. *Polar Biol* 28: 261-267.
30. Sorte, C.J.B. and G.E. Hofmann (2005) Thermotolerance and heat-shock protein expression in Northeastern Pacific *Nucella* species with different biogeographical ranges. *Marine Biol.* 146: 985-993.
29. Hofmann, G.E. (2005) Patterns of heat-shock protein expression in ectothermic marine organisms from small- to large-scale biogeographic patterns. *Integrative and Comparative Biology* 45(2): 247-255.
28. Buckley, B.A., S.P. Place and G.E. Hofmann (2004) Regulation of heat shock genes in isolated hepatocytes from an Antarctic fish, *Trematomus bernacchii*. *J Exp Biol* 207: 3649-3656.
27. Place, S.P., M.L. Zippay, and G.E. Hofmann (2004) Constitutive roles for inducible genes: Evidence for the alteration in expression of the inducible *hsp70* gene in Antarctic notothenioid fishes *American Journal of Physiology* 287: R429-R436.
26. Halpin, P.M., B.A. Menge and G.E. Hofmann (2004) Experimental demonstration of plasticity in the heat shock response of the intertidal mussel, *Mytilus californianus* (Conrad). *Mar. Ecol. Prog. Series* 276: 137-145.
25. Sorte, C.J.B. and G.E. Hofmann (2004) Changes in latitudes, changes in aptitudes: *Nucella canaliculata* are more stressed at their range edge. *Mar. Ecol. Prog. Series.* 274: 263-268.
24. Zippay, M.L., S.P. Place and G.E. Hofmann (2004) The molecular chaperone Hsc70 from a eurythermal marine goby exhibits temperature insensitivity during luciferase refolding assays. *Comp. Biochem. Physiol. Part A* 138: 1-7.
23. Buckley, B.A. and G.E. Hofmann (2004) Seasonal patterns and *in vitro* kinetics of HSF1 activation and Hsp70 mRNA production in the goby, *Gillichthys mirabilis*. *Physiol. Biochem. Zool.* 77: 570-581.
22. Helmuth, B., C.D.G. Harley, P. Halpin, M. O'Donnell, G.E. Hofmann and C. Blanchette (2002) Climate change and latitudinal patterns of intertidal thermal stress *Science* 298: 1015-1017.
21. Buckley, B.A. and G.E. Hofmann (2002) Thermal acclimation changes DNA-binding activity of heat shock factor 1 (HSF1) in the goby, *Gillichthys mirabilis* : Implications for plasticity in the heat shock response in natural populations. *J. Exp. Biol.* 205: 3231-3240.

20. Halpin, P.M., C. Sorte, G.E. Hofmann and B.A. Menge (2002) Patterns of variation in levels of Hsp70 in natural populations at local to geographic scales. *Integrative and Comparative Biology* 42: 815-824.
19. Hofmann, G.E., B.A. Buckley, S.P. Place and M. L. Zippay (2002) Molecular chaperones in ectothermic intertidal animals: biochemical function and gene expression. *Integrative and Comparative Biology* 42: 808-814.
18. Helmuth, B. S. T. and G. E. Hofmann (2001) Microhabitats, thermal heterogeneity, and patterns of physiological stress in the rocky intertidal. *Biol. Bull.* 201: 374-384.
17. Buckley, B.A., M.E. Owen and G. E. Hofmann (2001) Adjusting the thermostat: the threshold induction temperature for the heat shock response in intertidal mussels (genus *Mytilus*) changes as a function of thermal history. *J. Exp. Biol.* 204: 3571-3579.
16. Place, S. P. and G. E. Hofmann (2001) Temperature interactions of the molecular chaperone, Hsc70, from the eurythermal marine goby, *Gillichthys mirabilis*. *J. Exp. Biol.* 204: 2675-2682.
15. Hofmann, G. E., B. A. Buckley, S. Airaksinen, J. Keen and G. N. Somero (2000) The Antarctic fish *Trematomus bernacchii* lacks heat-inducible heat shock protein synthesis. *J. Exp. Biol.* 203: 2331-2339.
14. Carpenter, C. M. and G. E. Hofmann (2000) Expression of 70 kDa heat shock proteins in antarctic and New Zealand notothenioid fish. *Comp. Biochem. Physiol.* 125A: 229-238.
13. Hofmann, G. E. (1999) Ecologically relevant variation in induction and function of heat shock proteins in marine organisms. *Amer. Zool.* 39: 889-900.
12. Roberts, D.A., G.E. Hofmann and G.N. Somero (1997) Heat-shock protein expression in *Mytilus californianus*: acclimatization (seasonal and tidal-height comparisons) and acclimation effects. *Biol. Bull.* 192: 309-320.
11. Hofmann, G.E. and G.N. Somero (1996) Protein ubiquitination and stress protein synthesis in *Mytilus trossulus* occurs during recovery from tidal emersion. *Molec. Marine Biol. and Biotechnol.* 5: 175-184.
10. Hofmann, G.E. and G.N. Somero (1996) Interspecific variation in the heat shock response of the congeneric mussels, *Mytilus trossulus* and *Mytilus galloprovincialis*. *Mar. Biol.* 126: 65-75.
9. Hofmann, G.E. and G.N. Somero (1995) Evidence for protein damage at environmental temperatures: Seasonal changes in levels of ubiquitin conjugates and hsp70 in the intertidal mussel, *Mytilus trossulus*: *J. Exp. Biol.*, 198, 1509-1518.
8. Hofmann, G.E. and S.C. Hand (1994) Global Arrest of Translation During Invertebrate Quiescence. *Proc. Natl. Acad. Sci. USA* 91, 8492-8496.
7. Anchooguy, T.J., G.E. Hofmann and S.C. Hand (1992) Extension of enzyme half-life during quiescence in *Artemia* embryos. *Am. J. Physiol.* 264. (Regulatory Integrative Comp. Physiol. 33): R85-R89.
6. Hofmann, G.E. and S.C. Hand (1992) Comparison of messenger RNA pools in active and dormant *Artemia franciscana* embryos: evidence for translational control. *J. exp. Biol.* 164: 103-116.
5. Hofmann, G.E. and S.C. Hand (1990) Subcellular differentiation arrested in *Artemia* embryos under anoxia: Evidence supporting a regulatory role for intracellular pH. *J. Exp. Zool.* 253: 287-302.
4. Hofmann, G.E. and S.C. Hand (1990) Arrest of cytochrome-c oxidase coordinated with catabolic arrest in dormant *Artemia* embryos. *Am. J. Physiol.* 258 (Regulatory Integrative Comp. Physiol. 27): R1184-R1191.

Invited reviews

3. Feder, M. E. and G. E. Hofmann (1999) Ecological and Evolutionary Physiology of the Heat Shock Response. *Annu. Rev. Physiol.* 61: 243-282.

Book Chapters

2. Somero, G.N, P.A. Fields, G.E. Hofmann, R.B. Weinstein and H. Kawall (1998) Cold Adaptation and Stenothermy in Antarctic Notothenioid Fishes: What has been Gained and What has been Lost? pp. 97-109. In: Fishes of Antarctica. A Biological Overview. Ed. G. di Prisco, E. Pisano and A. Clarke. Springer Verlag.
1. Somero, G.N. and G.E. Hofmann (1997) Temperature thresholds for protein adaptation: When does temperature change start to "hurt"? pp. 1-24. In: Global Warming: Implications for Freshwater and Marine Fish. Society for Experimental Biology, Seminar Series 61. Cambridge University Press.

Manuscripts currently in review

- Hofmann, G.E. and S.D. Gaines (2006) New tools for managing marine ecosystems. *BioSciences*
- Osovitz, C.J. and Hofmann, G.E. (2006) Marine macrophysiology: studying physiological variation across large spatial scales in marine systems. *Mar. Ecol. Prog. Series* (in revision)

INVITED SYMPOSIUM PRESENTATIONS & SEMINARS

Invited symposium presentations

- 2007 AAAS symposium
- 2006 ITRS, Society of Conservation Biology, ASLO in Victoria
- 2005 Society of Experimental Biology Annual Meeting, Barcelona, Spain
ICEFISH symposium, Darling Marine Station, Maine
- 2004 Desert Research Institute, University of Nevada, Reno - Abiotic Stress Symposium.
Society for Integrative and Comparative Biology, New Orleans, LA, "Some like it hot, some like it cold: Hsp gene expression in ectothermic marine organisms" In: Integrative Biology: A symposium honoring George A. Bartholomew.
Canadian Society of Zoologists, Nova Scotia, Canada, "Cross-talk between environmental temperature and gene expression in invertebrates of the rocky intertidal zone"
Friday Harbor Laboratories Centennial Celebration, Symposium: Ecosystem-based Management for Resilience: An Integrative Approach to Coastal Marine Science and Conservation. "New Frontiers in Marine Molecular Ecology"
- 2003 Canadian Society of Zoologists, Waterloo, Ontario, "Adjusting the thermostat: plasticity of Hsp expression in marine organisms"
Gordon Research Conference, Ecological and Evolutionary Genomics, "Marine Environmental Genomics: Using DNA microarrays to assess gene expression in natural populations of marine invertebrates" Colby-Sawyer College, New London, New Hampshire. Poster presenter
- 2002 American Physiological Society, San Diego, CA, "Environmental regulation of heat shock gene expression in ectothermic animals." Co-organizer of symposium.
Society for Integrative and Comparative Biology, Anaheim, CA, "Stress proteins in natural populations: Bioindicators, protein homeostasis, and the cellular thermostat."

- Frontiers in Physiology, University of California, Davis, "Thermolerance and Heat shock proteins in marine intertidal animals."
- Friday Harbor Laboratories, University of Washington, "Linking ecology & physiology: The function and expression of molecular chaperones in marine organisms."
- 2001 Gordon Research Conference - Stress-induced Gene Expression, Connecticut College, "Plasticity of Hsp gene expression in ectothermic organisms." Poster presenter.
Scientific Committee on Antarctic Research (SCAR), Amsterdam, "Functional and Biochemical Characterization of the Molecular Chaperone Hsc70 from Notothenioid Fishes."
- 2000 Gordon Research Conference - Biological Regulatory Mechanisms, Holderness College, "Physiological ecology of molecular chaperones: Hsp expression in non-model organisms." Invited speaker.
- 1999 Society for Experimental Biology, International Congress, Calgary, Alberta, "Temperature-dependence of hsc70 from marine fish."
Society of Experimental Biology Conference, Edinburgh, Scotland, "Stress proteins, thermal tolerance and thermoprotection."
American Association for the Advancement of Science, San Francisco, CA, "Heat shock proteins in marine organisms: what to do when the heat is on."
Co-organizer and presenter (with Dr. Martin Feder): Heat Shock Symposium, SICB Meeting, Denver CO.
- 1998 American Association for the Advancement of Science, Philadelphia, In: Development in a Volatile World: "How Embryos Cope with Environmental Stress; Ecological Significance of Heat Shock Proteins as Molecular Chaperones."
Society for Integrative and Comparative Biology, Boston Meeting, Bartholomew Award Lecture.

Invited seminars

- 2006 Department of Biology, University of South Florida
Scripps Institute of Oceanography, UC San Diego
National Science Foundation Research Seminar Series, McMurdo Station, Antarctica
- 2005 National Science Foundation Research Seminar Series, McMurdo Station, Antarctica
Interdepartmental Marine Sciences Program, UC, Santa Barbara
University of California, Santa Barbara, MCDB seminar series
- 2004 NCEAS Ecolunch Series, NCEAS, Santa Barbara, California
Bodega Marine Laboratory, University of California, Davis
- 2003 University of British Columbia, Department of Biology
University of Auckland, Auckland, New Zealand, School of Biological Sciences
University of Otago, Dunedin, New Zealand, Department of Marine Sciences
- 2002 National Science Foundation Research Seminar Series, McMurdo Station, Antarctica
- 2001 California Institute of Technology, Jet Propulsion Laboratory

University of Arizona, Department of Physiology
University of South Carolina, Department of Biology
National Science Foundation Research Seminar Series, McMurdo Station, Antarctica
Sunday Science Lecture, McMurdo Station, Antarctica

- 2000 Oregon State University, Department of Zoology
University of California-Riverside, Department of Biology
- 1999 University of California- Davis, Bodega Bay Marine Station
Stanford University, Department of Biological Sciences, Hopkins Marine Station
- 1998 University of Washington, Friday Harbor Laboratories
University of California- Davis, Bodega Bay Marine Station
University of Chicago, Department of Organismal Biology and Anatomy
- 1997 University of Oregon, Oregon Institute of Marine Biology

Invited presentations in workshops and classes

- 2003 PISCO Training Course, Hopkins Marine Station, Stanford University
- 2002 Presentation in EEMB Freshman Seminar (EEMB 4FS)
- 2001 Panel member in Professional Values in Science Course (BIO 410), ASU
- 2000 Presentation at a PISCO workshop, Oregon State University
- 1998 Panel member in workshop for Postdoctoral Fellows, SICB meeting, Denver

GRADUATE STUDENT SUPERVISION & POSTDOCTORAL ASSOCIATES (start date noted)

Postdoctoral fellows

- 2006 Dr. Sean P. Place (PhD University of California, Santa Barbara)
- 2005 Dr. Anne Todgham (PhD University of British Columbia)
Dr. Michael O'Donnell (PhD Stanford University)
- 2004 Dr. Kevin T. Fielman (PhD University of South Carolina; Asst. Professor, Auburn Univ.)
- 2003 Dr. Susan G. Lund (PhD Queen's University, Asst. Professor, University of Regina)
- 2001 Dr. Patricia M. Halpin (PhD Brown University, currently Asst. Research Biologist, UCSB)
Dr. Jennifer L. Burnaford (PhD Oregon State University, currently Visiting Assistant Professor, University of Puget Sound, Tacoma, Washington)

PhD advisees

- 2006 Elizabeth Hoaglund, Sarah Teck (Doctoral student, University of California, Santa Barbara)
- 2005 LaTisha Hammond (Doctoral student, University of California, Santa Barbara)
- 2004 Mackenzie L. Zippay (Doctoral student, University of California, Santa Barbara)
- 2003 Sarah K. Henkel (Doctoral candidate, University of California, Santa Barbara)
Jessica M. Dutton (Nancy Foster Fellow, University of California, Santa Barbara)
- 2002 Christopher Osovitz (NSF Predoctoral Fellow, University of California, Santa Barbara)
- 2000 Sean P. Place (PhD 2005, University of California, Santa Barbara, currently post-doctoral fellow at Mayo Clinic Scottsdale)
- 1999 Bradley A. Buckley (PhD 2003, Arizona State University, currently post-doctoral fellow, Hopkins Marine Station of Stanford University)

MS advisees

- 2006 Scott Simon (MS, University of California, Santa Barbara)
2001 Cascade J.B. Sorte (MS 2003, University of California, Santa Barbara)
2000 Matthew Wright (MS 2002, Arizona State University, graduate student at UC, Santa Cruz)
1998 Claire M. Carpenter (MS 1999, University of New Mexico)

UNDERGRADUATE STUDENT SUPERVISION (*indicates undergraduate thesis/research award)

UCSB	2004-05	Natalie Alvarez, Sarah Gravem, LaTisha Hammond
	2003-04	Natalie Alvarez, LaTisha Hammond, Elizabeth Hoaglund, Marlena Ruberté
	2002-03	Timothy Crombie, Elizabeth Hoaglund, Stephen Morris, Virginia Scollay
ASU	2001-02	Timothy Crombie, Forrest Wong, Mackenzie Zippay*
	2000-01	Timothy Crombie, Megan Dueck*, John Froeshke, Min Sze Wang, Forrest Wong, Mackenzie Zippay
	1999-00	Megan Dueck, Esther Ellsworth, Charles Preston*, Min Sze Wang, Mackenzie Zippay
UNM	1998-99	Marie Eve Owen, Amanda Haag*, Michael Mertz, Nathan Abbott

PROFESSIONAL ACTIVITIES & SERVICE

National Board/Committee Service

- Member, LTER Climate Change Workshop, 2005-2006
Editorial Board, *Physiological and Biochemical Zoology*, 2001-2004
Invited presentation to the Visions Committee, Ecological Society of America, 2003
Member, National Academies Committee on the National Ecological Observatory Network (NEON), 2003
Member, Friday Harbor Laboratories Centennial Celebration, Organizing Committee for the symposium: Ecosystem-based Management for Resilience: An Integrative Approach to Coastal Marine Science and Conservation, 2003-2004
Bartholomew Award Selection Committee, Society of Integrative and Comparative Biology, 2003
Attendee, Workshop on Integrating Education in Biocomplexity Research, National Academy of Science, April 2002
NSF Panel Member for Ecological and Evolutionary Physiology, 1998-2002 (served on 3 panels)
NSF Panel Member for Integrated Animal Biology, NSF, 2001-2004 (currently in panel pool)
NSF Panel Member for Antarctic Biology and Medicine, 1999 (served on a single panel)
NSF Panel Member for ADVANCE Program, 2002 (served on a single panel)
NSF Panel Member for Biological Oceanography, 2004 (served on a single panel)
Reviewer for professional journals: *Journal of Experimental Biology*, *Ecology*, *Physiological and Biochemical Zoology*, *Journal of Experimental Marine Biology and Ecology*, *Marine Biology*, *Journal of Comparative Physiology and Biochemistry*, *Comparative Biochemistry and Physiology*, *Proceedings of the National Academy of Science*, *Biological Bulletin*, *Molecular and Cellular Biology*, *Canadian Journal of Aquatic Sciences*, *Marine Ecological Progress Series*, *Science*, *Cell Stress and Chaperones*, *Marine Ecology*, *Polar Biology*, *Proteomics*

University Community Service

University of California, Santa Barbara

- Member, Marine Science Building Resource Committee, 2004-present
Chair, Marine Science Institute Advisory Committee, 2004-2006
Chair, Ecology, Evolution & Marine Biology Graduate Programs Committee, 2004-2007

Member, UC Santa Barbara IACUC, 2004-2007
Member, Ecology, Evolution & Marine Biology Graduate Programs Committee, 2003-2004
Ecology, Evolution & Marine Biology Oversight Committee for the Physiology Major, 2003-2004
Chancellor's Reception, panel member, Los Angeles, March 14, 2004
Insight Reception, panel member, UCSB, April 3, 2004

Arizona State University

Department of Biology Advisory Committee, 2000-2002
Department of Biology Graduate Programs Committee, Physiology representative, 2000-2003
Chair, Biology Graduate Student Research Fund, 2000- 2002
Mentor for Undergraduate Mentorship in Environmental Biology (UMEB)
Mentor for Biology Research Experience for Undergraduates (BREU) program

University of New Mexico

Mentor for Howard Hughes Medical Institute Undergraduate Research program

Graduate Student Thesis Committees

- UCSB** Robin Pelc, EEMB, UCSB, Ph.D. student, 2005-present
Scott Hamilton, EEMB, UCSB, Ph.D. student, 2004-present
Sarah Lester, EEMB, UCSB, Ph.D. student, 2004-present
Benjamin Ruttenberg, of Ecology, Evolution and Marine Biology, Ph.D. student, 2003-present.
Michael Henry, Department of Ecology, Evolution and Marine Biology, Ph.D. student, 2002-present.
Dijanna Figueroa, Interdepartmental Graduate Program in Marine Science, Ph.D. student, 2002-present.
Michael Behrens, Department of Ecology, Evolution and Marine Biology, Ph.D. candidate, 2002-present.
Jason Sagert, Department of Molecular, Cellular and Developmental Biology, Ph.D. student, 2003-present.
- ASU** John Zehmer, Department of Biology, Ph.D. 2003, (2000-2003)
Marc Perkins, Department of Biology, M.S. 2001, (2000-2001)
Lisa Wolpowitz, Department of Biology, M.S. 2001, (2000-2001)
Carol Secor, Department of Biology, Ph.D. candidate, (2000-2003)
Evan Carson, Department of Biology, Ph.D. candidate, (2000-2003)
Christy Strand, Department of Biology, Ph.D. student, (2000-2003)
- Other** Christine Simoniello, College of Marine Science, Ph.D. 2003, University of South Florida (1999-2003)

PROFESSIONAL SOCIETIES & ORGANIZATIONS

American Association for the Advancement of Science (AAAS)
Society of Integrative and Comparative Biology (SICB)
Southern California Academy of Science (SCAS)
Western Society of Naturalists (WSN)
Women in Science and Engineering (WISE)