

## **SUZANNE H. ALONZO**

### **CONTACT INFORMATION**

Department of Ecology and Evolutionary Biology  
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Email: [suzanne.alonzo@yale.edu](mailto:suzanne.alonzo@yale.edu)

**RESEARCH INTERESTS:** Theoretical and empirical research on sexual selection and reproductive behavior.

### **EDUCATION**

University of California Santa Barbara, Ecology, Evolution, Marine Biology PhD, 1998  
University of California Berkeley, Integrative Biology, Summa cum laude BA, 1992

### **PROFESSIONAL EXPERIENCE**

Associate Professor, Dept. of Ecology and Evolutionary Biology, Yale University (2010-present)  
Assistant Professor, Dept. of Ecology and Evolutionary Biology, Yale University (2004-2010)  
Assistant Researcher, Institute of Marine Sciences, Univ. of California Santa Cruz (2001- 2004)  
This period included one year of maternity leave and three years part time  
NSF Postdoctoral Fellow, Environmental Studies, Univ. of California Santa Cruz (1998-2001)

### **HONORS AND AWARDS**

Yale Postdoctoral Mentorship Prize (2011)  
Committee of Visitors, National Science Foundation (2011)  
Editor: Proceedings of the Royal Society of London Series B (2011)  
National Science Foundation Early CAREER Award (2010)  
Visiting Scholar, Corpus Christi College, Oxford University (2010)  
Yale Graduate Mentor Award for Science (2010)  
Plenary Speaker, Darwin Bicentennial, Assoc. for the Study of Animal Behavior, Oxford (2009)  
Plenary Speaker, International Society for Behavioral Ecology (2008)  
Keynote Speaker, Ecological and Evolutionary Ethology of Fishes (2008)  
Senior Visiting Research Fellow, Jesus College, Oxford University (2007)  
Royal Society Short Visit Incoming Grants (with T. Pizzari, 2007)  
Faculty of 1000 Contributor: Behavioral Ecology (Invited by: M Milinski, H Kokko, 2005-2009)  
National Science Foundation Post-Doctoral Fellowship in Biological Informatics (1999-2001)  
National Science Foundation Doctoral Dissertation Improvement Grant (1997-1998)  
American Association of University Women Dissertation Fellowship (1997-1998)  
Animal Behavior Society Research Grant (1997-1998)  
National Science Foundation Pre-Doctoral Fellowship (1993-1997)  
University of California Regent's Special Fellowship (1993-1998)  
Undergraduate Departmental Citation, University of California Berkeley (1993)

## RESEARCH ARTICLES

### 2011 and In Press

- 34) Kindsvater HK, Bonsall MB, and Alonzo, SH. In Press. Mortality associated with reproduction could explain variation in offspring size and number. *Journal of Evolutionary Biology*
- 33) Stiver K, Alonzo SH. 2011. Alloparental care increases mating success. *Behavioral Ecology*. 22: 206-211.

### 2010

- 32) Alonzo SH, Calsbeek R. 2010. The unstable dynamics of multiple alternative reproductive tactics. *Journal of Evolutionary Biology* 23: 2614-2624.
- 31) Kelly NB, Alonzo SH. 2010. Does a trade-off between current reproductive success and survival affect the honesty of male signaling in species with male parental care? *Journal of Evolutionary Biology* 23: 2461-2473.
- 30) Kazancioglu E. Alonzo SH. 2010. Classic predictions about sex change do not hold under all types of size advantage. *Journal of Evolutionary Biology* 23: 2432-2441.
- 29) Kazancioglu E. Alonzo SH. 2010. A comparative analysis of sex change in Labridae supports the size advantage hypothesis. *Evolution*. 64: 2254–2264
- 28) Kindsvater, HK, Alonzo SH, Mangel MS, Bonsall MB. 2010. Age- and state-dependent allocation effects on offspring size and number. *Evolutionary Ecology Research*. 12: 327–346.
- 27) Stiver K, Alonzo SH. 2010. Large males have a mating advantage in a species of darter with smaller, allopaternal males (*Etheostoma olmstedii*). *Current Zoology* 56: 1–5
- 26) Alonzo S.H., Pizzari T. 2010. Male fecundity stimulation: conflict and cooperation within and between the sexes. *American Naturalist*. 175: 174-185
- 25) Alonzo S.H., Heckman K. 2010. The unexpected but understandable dynamics of mating, paternity and paternal care in the ocellated wrasse. *Proceedings of the Royal Society B*. 277: 115-122

### 2009

- 24) Heckman KL, Near TJ, Alonzo SH. 2009. Phylogenetic relationships of *Boleosoma* (Percidae: *Etheostoma*). *Molecular Phylogenetics and Evolution*. 53: 249-257
- 23) Kelly NB, Alonzo SH. 2009. Will male advertisement be a reliable indicator of parental care, if offspring survival depends on male care? *Proceedings of the Royal Society of London Series B* 276: 3175-3183
- 22) Kazancioglu E, Alonzo SH. 2009. Costs of changing sex do not explain why sequential hermaphroditism is rare. *American Naturalist*. 173:327-336.

## 2008

- 21) Alonzo SH, Ish T, Key M, MacCall A, Mangel. 2008. The importance of incorporating protogynous sex change into stock assessments. *Bulletin of Marine Science*. 83:163-179
- 20) Farmer M. Alonzo SH. 2008. Competition for territories does not explain allopaternal care in the tessellated darter. *Environmental Biology of Fishes*. 83:391-395.
- 19) Brennan BJ, Flaxman SM, Alonzo SH. 2008. Female alternative reproductive behaviors: The effect of group size on mate assessment and copying. *Journal of Theoretical Biology* 253: 561-569
- 18) Alonzo SH. 2008. Female mate choice copying affects sexual selection in wild populations of the ocellated wrasse. *Animal Behaviour* 75: 1715-1723.

## 2007

- 17) Alonzo SH, Sinervo B. 2007. The effect of sexually antagonistic selection on adaptive sex ratio allocation. *Evolutionary Ecology Research* 9: 1097-1117.
- 16) Alonzo SH. 2007. Conflict between the sexes and cooperation within a sex can alter classic predictions of mating systems theory. *Evolutionary Ecology Research* 9:145-156.

## 2006

- 15) Sinervo B, Chaine A, Clobert J, Calsbeek R, Hazard L, Lancaster L, McAdam AG, Alonzo S, Corrigan G, Hochberg ME. 2006. Self-recognition, colour signals, and genetic cycles of greenbeard mutualism and true altruism. *PNAS USA* 103:7372-7377.

## 2005

- 14) Alonzo SH, Mangel M. 2005. Sex change rules, stock dynamics, and the performance of spawning per recruit measures in protogynous stocks. *Fishery Bulletin* 203: 229-245.

## 2004

- 13) Alonzo SH. 2004. Uncertainty in territory quality affects the benefits of usurpation. *Behavioral Ecology* 15: 278-285.
- 12) Alonzo SH, Mangel M. 2004. The effects of size-selective fisheries on the stock dynamics of and sperm limitation in sex changing fish: California sheephead (*Semicossyphus pulcher*) as an illustrative example. *Fishery Bulletin* 102: 1-13.

## 2003

- 11) Alonzo SH, Switzer P, Mangel M. 2003. An ecosystem-based approach to management: Using individual behaviour to predict the indirect effects of Antarctic krill fisheries on penguin foraging success. *Journal of Applied Ecology* 40: 692-702.
- 10) Alonzo SH, Switzer P, Mangel M. 2003. Ecological games in space and time: the distribution and abundance of Antarctic krill and penguins. *Ecology* 86: 1598-1607.

## 2002

- 9) Alonzo SH. 2002. State-dependent habitat selection games between predators and prey: the importance of behavioral interactions and expected lifetime reproductive success. *Evolutionary Ecology Research* 4: 759-778.
- 8) Calsbeek R, Alonzo SH, Zamudio K, Sinervo B. 2002. Sexual selection and alternative mating behaviours generate demographic stochasticity in small populations. *Royal Proceedings of the Royal Society Series B* 269: 157-164.

## 2001

- 7) Alonzo SH, Sinervo B. 2001. Mate choice games, context-dependent good genes, and genetic cycles in the side-blotched lizard, *Uta stansburiana*. *Behavioral Ecology and Sociobiology* 49: 176-186.
- 6) Alonzo SH, Mangel M. 2001. Survival strategies of krill: Avoiding predators in space, time and size. *Marine Ecology Progress Series* 209: 203-217

## 2000 and before

- 5) Alonzo SH, Taborsky M, Wirtz P. 2000. Male alternative reproductive behaviors in a Mediterranean wrasse, *Symphodus ocellatus*: Evidence from otoliths for separate life-history pathways. *Evolutionary Ecology Research* 2: 997-1007.
- 4) Alonzo SH, Warner RR. 2000c. Allocation to mate guarding or increased sperm competition in a Mediterranean wrasse. *American Naturalist* 156: 266-275.
- 3) Alonzo SH, Warner RR. 2000b. Dynamic games and field experiments examining intra- and intersexual conflict: Explaining counter-intuitive mating behavior in a Mediterranean wrasse, *Symphodus ocellatus*. *Behavioral Ecology* 11: 56-70.
- 2) Alonzo SH, Warner RR. 2000a. Female choice, conflict between the sexes and the evolution of male alternative reproductive behaviors. *Evolutionary Ecology Research* 2: 149-170.
- 1) Alonzo SH, Warner RR. 1999. A tradeoff generated by sexual conflict: Mediterranean wrasse males refuse present mates to increase future success. *Behavioral Ecology* 10: 105-111.

## REVIEW ARTICLES

Alonzo S.H. 2010. Social and coevolutionary feedbacks between mating and parental investment. *Trends in Ecology and Evolution*. 25: 99-108

Stiver K. Alonzo S.H. 2009. Parental and mating effort: Is there necessarily a trade-off? *Ethology* 115: 1101-112

Henson SA (my previous name), Warner RR. 1997. Male and female alternative reproductive behaviors in fishes: A new approach using intersexual dynamics. *Annual Review of Ecology and Systematics*. 28: 571-92.

## BOOK CHAPTERS

Alonzo SH, Klug, H. In Press. Maternity, paternity and parental care. In: The Evolution of Parental Care. Editors: NJ Royle, PT Smiseth, M Kölliker. Oxford University Press

Klug H, Alonzo SH, Bonsall MB. In Press. Theoretical foundations of parental care. In: The Evolution of Parental Care. Editors: NJ Royle, PT Smiseth, M Kölliker). Oxford University Press

Alonzo SH, Sheldon BC. 2010. Population density, sex allocation and social behaviour. In: Social Behaviour: Genes Ecology and Evolution. Editors: T Szekeley, J Komdeur, A Moore. Cambridge University Press.

Alonzo SH, Kindsvater HK. 2008. Life-History Patterns. In Sven Erik Jørgensen and Brian D. Fath (Editor-in-Chief), General Ecology. Vol. 3 of Encyclopedia of Ecology, 5 vols. pp. 2175-2180, Oxford: Elsevier.

Alonzo SH. 2008. Male and female alternative reproductive behaviors and conflict within and between the sexes. In: Alternative Reproductive Tactics. Editors: R. F. Oliveira, M Taborsky, J Brockmann. Cambridge University Press. pp 435-450

## OTHER PUBLICATIONS

Alonzo SH. 2010. Is there a unifying theory of sex allocation? *Evolution* 64: 2793–2795. (Invited Book Review)

Alonzo. SH. 2009. Science, Politics and Evolution. *Quarterly Review of Biology*. 84:81 (Invited Book Review)

Alonzo SH, Stiver KA, Kazancioglu E. 2009. Review of the European Society for Evolutionary Biology 2009 Meeting. *ISBE Newsletter* 21(2): 11-12 (Invited Meeting Review)

Alonzo SH. 2008. An inordinate fondness for behavioural ecology. *Trends in Ecology and Evolution*. 23: 600-601 (Invited Book Review)

Alonzo SH, Mangel M. 2002. Effects of social behavior on survival and growth of krill: important, but how relevant? *Marine Ecology Progress Series* 244: 309-310.

Alonzo SH, Key M, Ish T, MacCall A. 2004. Status of the California Sheephead (*Semicossyphus pulcher*) stock. California Department of Fish and Game Report.

## RESEARCH GRANTS

National Science Foundation CAREER Grant in Animal Behavior (2010-2015, \$505,000)  
“Social and coevolutionary feedbacks between mating and parental investment”

National Science Foundation Grant in Theoretical Biology (2008-2011, \$550,183)  
“From individual interactions to evolutionary and ecological dynamics”

National Science Foundation Grant in Evolutionary Processes (2009-2011, \$14,982)  
“Theoretical and empirical studies of state-dependent variation in maternal investment”  
(Doctoral Dissertation Improvement Grant awarded to Holly Kindsvater)

National Science Foundation Grant in Animal Behavior (2004-2007, \$296,849)  
“A coevolutionary theory of male and female alternative reproductive behaviors”

National Science Foundation Grant in Animal Behavior (2001-2003, \$83,602)  
“QEIB: A comprehensive theory of mating systems: combining intra- and inter-sexual conflict, spatial mating games and environmental variation.”

### **INVITED SEMINARS**

University of Texas Austin (2011)  
University of California Santa Cruz (2011)  
University of Bristol (2010)  
University of Oxford (2010)  
Uppsala University (2010)  
University College London (2010)  
University of Massachusetts, Amherst (2009)  
Dartmouth College (September 2008)  
University of Toronto (February 2008)  
Glasgow University (November 2007)  
Oxford University (October 2007)  
University of Kentucky (April 2007)  
Stony Brook University (September 2006)  
Cornell University (April 2006)  
University of Illinois (April 2006)  
University of Connecticut (March 2006)  
Simon Fraser University (February 2005)  
Yale University (February 2005)  
University of Texas Austin (March 2003)  
Pennsylvania State University (February 2003)  
Yale University (December 2002)  
Stockholm University (March 2002)  
University of California Berkeley (Fall 1999)  
University of California Santa Cruz (Winter 1999)

### **INVITED SPECIAL LECTURES AND SYMPOSIA:**

Alonzo, SH (2010) Invited speaker. Inclusive fitness in evolutionary modeling. Banff International Research Station for Mathematical Innovation and Discovery (BIRS) Workshop Organizers: Peter Taylor, Stuart West, Geoff Wild (2010)

Alonzo, SH (2009) Plenary Speaker, Association for the Study of Animal Behavior (Darwin Bicentennial Meeting), Oxford

Alonzo, SH (2009) Co-organizer (with Stuart West) of the Symposium “The evolution of conflict and cooperation: when theory meets data” at the European Society of Evolutionary Biology Meeting

Alonzo, SH (2008) Plenary Speaker, International Society for Behavioural Ecology Meeting. Cornell University.

Alonzo, SH (2008) Keynote Speaker, George Barlow Symposium, EEEF Meeting. Boston University.

Alonzo, SH (2007) “Mating System Evolution”, Fourth Kristineberg Symposium, Wenner-Gren Foundations (WGF), Organizers: M Andersson, S Arnold, M Thorndyke, B Tullberg.

Alonzo SH, Ish T, Key M, Mangel M, MacCall AD (2006). “Sex change, life history, and stock dynamics: assessing the status of the California sheephead, *Semicossyphus pulcher*.” Mote International Symposium in Fisheries Ecology, Florida State University.

Alonzo SH (2006) “Understanding conflict and cooperation within and between the sexes in the Mediterranean wrasse, *Symphodus ocellatus*” Organized Oral Session: The devil is in the detail: theory for empirical model systems, ESA Annual Meeting, Organizers: ON Bjornstad, P Amarasekare

### **INVITED WORKSHOPS AND PANELS**

Banff International Research Station for Mathematical Innovation and Discovery (BIRS) Workshop Inclusive fitness in evolutionary modeling. Organizers: Peter Taylor, Stuart West, Geoff Wild (2010)

Biology of Prosocial Behavior, The Consulate of Switzerland (SHARE) and the University of Zurich Research Priority Program on the Foundations of Human Social Behavior (2007)

NSF Theoretical Biology Workshop, National Science Foundation (2006)

Scientific Committee for the Conservation of Antarctic Marine Living Resources, Working Group on Ecosystem Management and Monitoring (2003)

Conflict and Cooperation in Parental Care Workshop. Association for the Study of Animal Behaviour. Organizers: S Balshine-Earn, B Kempenaers, T Székely (August 2000)

NCEAS Working Group: The Evidence Project: Supporting scientific claims  
Organizers: M. Taper, S. Lele, N. Lewin-Koh (1999-2000)

### **CONTRIBUTED PRESENTATIONS**

Alonzo SH. 2006 “Sexual conflict and cooperation in the ocellated wrasse, *Symphodus ocellatus*. Evolution Annual Meeting. Stony Brook, New York

Alonzo SH. 2002. “A Comprehensive Theory of Mating Systems: Combining Intra- and Inter-sexual Conflict and Spatial Mating Games within a Life-History Perspective” ASAB Workshop on Sexual Conflict: A Life History Perspective. Organized by N Wedell and C Kvarnemo

Alonzo SH. Mangel M. 2002. Size-selective fisheries, sperm limitation and spawning per recruit in sex changing fish: California sheephead (*Semicossyphus pulcher*) as an illustrative example. Center for Stock Assessment Annual Meeting. Santa Cruz, California

Alonzo SH. 2002. A comprehensive theory of mating systems: Combining intra- and inter-sexual conflict and spatial mating games within a life-history perspective. Western Society of Naturalists Annual Meeting. Monterey, California

Alonzo SH. Mangel M. 1999. Modeling krill life-histories: The impact of predation on krill behavior. Second International Symposium on Krill. Santa Cruz, California

Alonzo SH. 1999. Sperm competition, mate guarding and sexual conflict. Evolution Annual Meeting. Madison, Wisconsin

Alonzo SH. Warner RR. 1998. The effect of conflict within and between the sexes on the evolution and expression of reproductive behaviors. International Society of Behavioral Ecology, Monterey, California

Alonzo SH. Warner RR. 1997. The effect of conflict within and between the sexes on reproductive behavior. International Ethological Congress. Vienna, Austria

### **OTHER SCIENTIFIC ACTIVITIES**

Advisor, Climate Change, Krill Life Histories and Fisheries, Lenfest Foundation (2005-2008)  
Leader, Stock Assessment for California Sheephead, CA Department of Fish and Game (2004).

### **EDITORIAL BOARDS:**

Editor: Proceedings of the Royal Society of London Series B (2011-present)

Editorial Advisory Board: Ecology and Evolution (2011-present)

Associate Editor: American Naturalist (2009-present)

Associate Editor: Proceedings of the Royal Society of London Series B (2008-2011)

Associate Editor: Evolutionary Ecology (2008-2010)

Editorial Board: Ecology Section, Encyclopedia of Life Sciences (2007-2010)

### **PEER REVIEW ACTIVITIES:**

Committee of Visitors, Integrative Organismal Systems, National Science Foundation (2011)  
(Invited by the Director of the Division of Integrative Organismal Systems at the National Science Foundation to be a member of a committee to review and advise on NSF programs)

Panelist, National Science Foundation Review Panel (2005, 2006, 2009)

Journals: American Naturalist, Animal Behavior, Behavioral Ecology, Behavioral Ecology and Sociobiology, Biological Reviews, Bulletin of Marine Science, Canadian Journal of Fisheries and Aquatic Sciences, Current Biology, Ecological Society of America, Ethology, Evolution, Evolutionary Ecology Research, Ethology, Fishery Bulletin, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Heredity, Journal of Theoretical Biology, Marine Ecology Progress Series, Nature, Oecologia, Oikos, Philosophical Transactions of the Royal Society of London series B, PLoS Biology, PNAS, Proceedings of the Royal Society of London B, Quarterly Reviews of Biology, Trends in Ecology and Evolution, Theoretical Population Biology

Books: Cambridge University Press, Oxford University Press, Princeton University Press, Pearson Education.

Granting agencies: Biotechnology and Biological Sciences Research Council (UK), National Environment and Research Council (UK), Natural Sciences and Engineering Research Council of Canada, Royal Society of London, National Science Foundation (USA), Swiss National Science Foundation

**PROFESSIONAL MEMBERSHIPS:** Animal Behavior Society, European Society for Evolutionary Biology, Society of American Naturalists, International Society of Behavioral Ecology

### **COLLABORATORS**

M. Bonsall (Oxford), R. Calsbeek (Dartmouth), A. Chaine (UC Santa Cruz), J. Clobert (CNRS Paris), C. Cornwallis (Oxford), G. Corrigan (UCSC), A Griffin (Oxford), L. Hazard (UCSC), H. Hofman (UT Austin), M.E. Hochberg (CNRS Montpellier), T. Ish (UCSC), M. Key (CA DFG), R. Knapp (Oklahoma University), L. Lancaster (UCSC), M. Mangel (UCSC), A. MacCall (NOAA Santa Cruz), A.G. McAdam (UCSC), T. Near (Yale), T. Pizzari (Oxford), B. Sinervo (UCSC), P. Switzer (Eastern Illinois University), M. Taborsky (University of Bern), J. Townsend (Yale), P. Wirtz (Univ. da Madeira), K. Zamudio (Cornell)

### **ADVISORS**

M. Mangel, University of California Santa Cruz (Post-doctoral advisor)  
R. R. Warner, University of California Santa Barbara (Graduate advisor)  
G. W. Barlow, University of California Berkeley (Undergraduate advisor)

### **TEACHING, ADVISING AND MENTORSHIP**

#### **Course taught**

EEB509: Advanced Topics: Mathematical Models in Evolution and Ecology  
EEB240: Animal Behavior  
EEB122: Principles in Evolution, Ecology and Behavior  
EEB678: Mathematical Models and Quantitative Methods in Evolution and Ecology  
EEB710: Sexual Selection and Social Evolution

#### **Undergraduate advising: general**

Davenport College Freshman Advising (2008-2010)  
Sophomore advisor, Davenport College Students (2009-2010)  
Sophomore advisor, Development of a Self Defined major, Elizabeth Mata (2005-2006)  
Advisor, Ecology and Evolutionary Biology Majors (2005-present)

#### **Undergraduate supervision: research and senior theses**

Nicole Nakata (Research advisor, 2010-present)  
Tse Yang Lim (Research advisor, Senior Thesis advisor 2008-present)  
Mark Fisher B.S. 2007 (Senior thesis advisor 2006-2007)  
Miles Farmer B.S. 2007 (Senior thesis advisor 2006-2007)  
Shannon Murtagh B.S. 2006 (Senior thesis advisor 2005-2006)

#### **Graduate student supervision**

Erem Kazancioglu (Major advisor, 2005-2009, dissertation defended, doctoral)  
Natasha Kelly (Major advisor, 2006-2011, dissertation defended, doctoral)

Holly Kindsvater (Major advisor, 2007-present, fifth year, doctoral)

Natalie Pilakouta (Major advisor, 2010-present, first year, doctoral)

### **Dissertation committees at Yale**

Ashley Bear (advisor: Antonia Monteiro, Yale University, current)

Christen Bossu (advisor: Thomas Near, Yale University, current)

Steven Brady (advisor: David Skelly, Yale University, current)

Teresa Feo (advisor: Rick Prum, Yale University, current)

Andrew Jones (advisor: David Post, Yale University, current)

Dave Kysela (advisor: Paul Turner, Yale University)

Rob LeClerc (advisor: Gunter Wagner, Yale University)

Jason Shapiro (advisor: Paul Turner, Yale University, current)

Erica Westerman (advisor: Antonia Monteiro, Yale University, current)

### **External dissertation committees**

Ashley Rogers advisor: Barry Sinervo, University of California Santa Cruz, current)

Angela Timpanaro, external examiner and committee member (University of Parma, current)

Dave Semmens, external examiner (advisors: Mark Elgar and Steve Swearer, Univ. of Melbourne)

Brooke Weaver-Miller (advisor: Barry Sinervo, University of California Santa Cruz)

### **Graduate rotation students**

Natalie Pilakouta (Summer 2011)

Teresa Feo (Spring 2010)

Daniel Goldhill (Fall 2009)

Jason Shapiro (Fall 2008)

Holly Kindsvater (Spring 2007)

Christen Bossu (Spring 2007)

Natasha Kelly (Summer 2006)

Jura Pintar (Spring 2006)

Erem Kazancioglu (Summer 2005)

### **Postdoctoral Fellows and Associates Supervised**

Hope Klug (National Science Foundation Grant, 2010-present)

Kelly Stiver (Yale University Postdoctoral Fellowship in Biological Sciences 2007-2008,  
Canadian NERC postdoctoral fellow 2008-present)

Erem Kazancioglu (National Science Foundation Grant, 2009-2010)

Bernard Brennan (National Science Foundation Grant, 2005-2006)

Kellie Heckman (Yale University Postdoctoral Fellowship in Biological Sciences 2005-2007,  
National Science Foundation Grant, 2007-2008)

### **Other departmental service:**

Coordinator, Department of Ecology and Evolutionary Biology Seminar Series (2009-10)

Guest lecturer EEB500, Advanced Topics, Graduate course (Fall 2007, 2008, 2009)

Examiner, Graduate Qualifying Exam Committee, EEB, Yale University (2006)

Coordinator, Department of Ecology and Evolutionary Biology Seminar Series (2005-6)

Guest lecturer EEB220 General Ecology (Fall 2005)

Guest lecturer EEB122, Principles in Ecology and Evolution (Spring 2005)

EEB promotion review committee for departmental research associate (2005)

**Other service at Yale University**

Yale College Executive Committee (2011-12)

Trainer, Yale Genetics Graduate Training Grant (2011-present)

Yale College Dean's Fellowship Committee (2010)

Guest lecturer in Linguistics 130b, Evolution of Language, Prof. Stephen Anderson (2008)

Faculty mentor, Women Mentoring Women Program, Yale (2006-present)

Speaker, YIBS ESC Seminar Series (Spring 2005)

Member, Yale Women Faculty Forum (2004-present)

Animal behavior group: I have been working with Professor Stephen Andersson (Linguistics), Professor David Watts (Anthropology) and Associate Professor Laurie Santos (Psychology) to develop an inter-departmental animal behavior group at Yale University.

Participant and faculty mentor, Yale Peabody Museum 'Evolutions' outreach program targeting high school students from 'underrepresented groups'. I have been interviewed by students multiple times and my research was highlighted in the students 2008 exhibit on marine science in the Peabody Museum. We will also host two high school interns as part of my NSF CAREER grant.

Lecturer and lab tours, Yale Peabody Museum 'Expeditions' education outreach summer program for middle school students (2005-2007).

**OTHER PUBLIC SERVICE AND EDUCATION OUTREACH**

Public lecture on "Animal Cooperation" recorded for the Teaching Company (2009)

Specialist host for the History Channel's "Evolve" series on evolution (2008)

Lead instructor, Animal Behavior and Ecology Course, California State Summer School in Mathematics and Science (COSMOS) at UC Santa Cruz (2002 and 2003). COSMOS is an academic residential program for talented and motivated high school students.