

Professional Curriculum Vitae Peter M. Buston

Fields of Interest

Behavioral Ecology, Population Ecology, Marine Ecology, Fish Biology, Biological Oceanography.

Current Position

Assistant Professor. Boston University, Department of Biology & Marine Program.

5 Cummington Mall,
Boston, Massachusetts 02215,
United States of America

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Education History

1994 - 2002 Ph.D. Neurobiology and Behavior, Cornell University, Ithaca, NY, USA.

1990 - 1993 B.A. Hons. Zoology, Oxford University, Oxford, UK.

Employment Record

2010 - 2015 Assistant Professor. Department of Biology, Boston University, Boston, USA.

2006 - 2009 Ramón y Cajal Research Fellow. Estación Biológica de Doñana, Sevilla, Spain.

2002 - 2005 NCEAS Postdoctoral Fellow. NCEAS, Santa Barbara, CA, USA.

Honors & Awards

2015 Nominated for an APEX Award for Publication Excellence.
Editors of American Scientist, The Magazine of Sigma Xi, North Carolina, USA.

2014 Nominated for the Metcalf Award for Excellence in Teaching.
Provost's Faculty Teaching Awards Committee, Boston University, USA.

2013 Nominated for the Dean's Award for Excellence in Graduate Education.
Department of Biology, College of Arts and Sciences, Boston University, USA.

2005 Ramón y Cajal Research Fellowship, to conduct independent research.
Ministerio de Educación y Ciencia, Spain.

2002 NCEAS Postdoctoral Fellowship, to conduct independent research.
National Science Foundation and University of California, USA.

2001 Whittaker Award, for the best graduate student paper.
Department of Ecology and Evolutionary Biology, Cornell University, USA.

2000 Excellence Fellowship, in recognition of outstanding graduate work.
College of Agriculture and Life Sciences, Cornell University, USA.

2000 Clark Distinguished Teaching Award.
College of Arts and Sciences, Cornell University, USA.

1999 Outstanding Graduate Teaching Assistant Award.
Department of Neurobiology and Behavior, Cornell University, USA.

1995 Doctoral Dissertation Improvement Grant.
National Science Foundation, USA.

1991 Biological Sciences Award.
Pembroke College, Oxford University, UK.

Research

Publications in print – Refereed articles (total = 31; citations = 1150; h-index = 19)

- 2015 Rickborn, A. J.* & **Buston, P. M.** Life history transitions of the coral reef fish *Elacatinus lori*. *Journal of Fish Biology*. (* Denotes Masters student in the Buston & Kaufman Labs).
- 2014 **Buston PM** & Wong MYL. Why some animals forgo reproduction in complex societies. *American Scientist* 102: 290-297.
- 2014 D'Aloia, C. C.*, Bogdanowicz, S, M., Harrison, R. G. & **Buston, P. M.** Seascape continuity plays an important role in determining spatial genetic structure in a coral reef fish. *Molecular Ecology* 23: 2902-2913 (* Denotes Ph.D. student in the Buston Lab; Cover Photo).
- 2013 **Buston P. M.** & D'Aloia, C. C. Marine Ecology: Reaping the benefits of local dispersal. *Current Biology* 23: R351-R353.
- 2013 D'Aloia, C. C.*, Bogdanowicz, S, M., Majoris, J. E., Harrison, R. G. & **Buston, P. M.** Self-recruitment in a Caribbean reef fish: a new method for approximating dispersal kernels. *Molecular Ecology* 22: 2563-2572 (* Denotes Ph.D. student in the Buston Lab).
- 2013 Wong, M. Y. L.* & **Buston P. M.** Social systems of habitat specialist reef fishes: tests of key concepts in evolutionary ecology. *BioScience* 63: 453-463 (* Denotes Postdoc in the Buston Lab).
- 2013 Wong, M. Y. L.*, Medina, A., Uppaluri, C., Arnold, S., Seymour, J., & **Buston, P. M.** Consistent behavioral traits and behavioral syndromes in pairs of the false clown anemonefish *Amphiprion ocellaris*. *Journal of Fish Biology* 83: 207-213. (* Denotes Postdoc in the Buston Lab).
- 2012 **Buston, P. M.**, Jones, G. P., Planes, S. & Thorrold, S. Probability of successful larval dispersal declines fivefold over one kilometer in a coral reef fish. *Proceedings of the Royal Society of London, Series B* 279: 1883-1888 (Cover Photo).
- 2012 Wong, M. Y. L.*, Fauvelot, C., Planes, S. & **Buston, P. M.** Discrete and continuous reproductive tactics in a hermaphroditic society. *Animal Behaviour* 84: 897-906. (* Denotes Postdoc in the Buston Lab).
- 2011 **Buston, P. M.** & Elith, J. Determinants of reproductive success in dominant pairs of clownfish: a boosted regression tree analysis. *Journal of Animal Ecology* 80: 528-538.
- 2011 D'Aloia, C. C.*, Majoris, J. E. & **Buston, P. M.** Predictors of the distribution and abundance of a tube sponge and its resident goby. *Coral Reefs* 30: 777-786. (* Denotes Ph.D. student in the Buston Lab).
- 2009 **Buston, P. M.**, Fauvelot, C., Wong, M. Y. L. & Planes, S. Genetic relatedness in groups of humbug damselfish *Dascyllus aruanus*: small, similarly-sized individuals may be close kin. *Molecular Ecology* 18: 4707-4715. (Cover photo).
- 2009 **Buston, P. M.** & Zink, A. G. Reproductive skew and the evolution of conflict resolution: a synthesis of transactional and tug-of-war models. *Behavioral Ecology* 20: 672-684. (Cover photo).
- 2009 Fauvelot, C., Smith-Kuene, C., Jerry D. R., **Buston, P. M.** & Planes, S. Isolation and characterization of 16 microsatellite loci for the humbug damselfish *Dascyllus aruanus*. *Molecular Ecology Resources* 9: 651-653.

- 2008 Wong, M. Y. L., Munday, P. L., **Buston, P. M.** & Jones, G. P. Fasting or feasting in a fish social hierarchy.
Current Biology 18: R372-R373.
- 2008 Wong, M. Y. L., Munday, P. L., **Buston, P. M.** & Jones, G. P. Monogamy when there is the potential for polygyny: tests of multiple hypotheses in a group-living fish.
Behavioral Ecology 19: 353-361.
- 2007 **Buston, P. M.** & Balshine, S. Cooperating in the face of uncertainty: a consistent framework for understanding the evolution of cooperation.
Behavioural Processes 76: 152-159. (Cover photo).
- 2007 **Buston, P. M.**, Bogdanowicz, S. M., Wong, A. & Harrison, R. G. Are clownfish groups composed of relatives? Analysis of microsatellite DNA variation in *Amphiprion percula*.
Molecular ecology 16: 3671-3678. (Cover photo).
- 2007 **Buston, P. M.** & García, M. B. An extraordinary life span estimate for the clown anemonefish.
Journal of Fish Biology 70: 1710-1719.
- 2007 **Buston, P. M.**, Reeve, H. K., Cant, M. A., Vehrencamp, S. L. & Emlen, S. T. Reproductive skew and the evolution of group dissolution tactics: a synthesis of concession and restraint models.
Animal Behaviour 74: 1643-1654.
- 2007 Wong, M. Y. L., **Buston, P. M.**, Munday, P. L. & Jones, G. P. The threat of punishment enforces peaceful cooperation and stabilizes queues in a coral reef fish.
Proceedings of the Royal Society of London, Series B 274: 1093-1099.
- 2006 **Buston, P. M.** & Cant M. A. A new perspective on size hierarchies in nature: patterns causes and consequences. *Oecologia* 149: 362-372.
- 2006 Munday, P. L., **Buston, P. M.** & Warner, R. R. Diversity and flexibility of sex change strategies in animals.
Trends in Ecology and Evolution 21: 89-95.
- 2004 **Buston, P. M.** Territory inheritance in the clown anemonefish.
Proceedings of the Royal Society of London, Series B (Suppl.) 271: S252-S254.
- 2004 **Buston, P. M.** Does the presence of non-breeders enhance the fitness of breeders? An experimental analysis in the clown anemonefish *Amphiprion percula*.
Behavioural Ecology and Sociobiology 57: 23-31.
- 2004 **Buston, P. M.**, Munday, P. L. & Warner, R. R. Sex change and body size in animals.
Nature 428: <http://www.nature.com/nature/journal/v428/n6983/full/nature02512.html>
- 2003 **Buston, P. M.** Size and growth modification in clownfish.
Nature 424: 145-146.
- 2003 **Buston, P. M.** Forcible eviction and prevention of recruitment in the clown anemonefish.
Behavioral Ecology 14: 576-582.
- 2003 **Buston, P. M.** Mortality is associated with social rank in the clown anemonefish.
Marine Biology 143: 811-815.
- 2003 **Buston, P. M.** & Emlen, S. T. Cognitive processes underlying human mate choice: the relationship between self-perception and mate preference in Western society.
Proceedings of the National Academy of Sciences of the USA 100: 8805-8810.
- 2000 Jenkins, A. P., **Buston, P. M.** & G. R. Allen. Two new species of freshwater gudgeons (Eleotridae: Mogurnda) from Lake Kutubu, Papua New Guinea.
Ichthyological Exploration of Freshwaters 11: 47-54.

Publications in print – Books, book chapters or book contributions (total = 3)

- 2010 **Buston, P. M.** Parentesco en peces de arrecifes coralinos. In: *Aplicaciones de la genética al estudio y conservación de la vida silvestre* (Godoy, J. A. & Martínez-Cruz, B. eds). Consejería de Medio Ambiente, Junta de Andalucía.
- 2008 Balshine, S. & **Buston P. M.** Cooperation in fishes. In: *Fish Behavior* (C. Magnhagen, V.A. Braithwaite, E. Forsgren & B.G. Kapoor, eds), pp 437-484. Science Publishers, NH.
- 2002 **Buston, P. M.** Group structure of the clown anemonefish *Amphiprion percula* (Ph.D. dissertation). Ithaca, New York, Cornell University.

Publications in preparation, spring 2015

- 201X **Buston, P. M.** & Wong, M. Y. L. The evolution of social groups in coral reef fishes: formation, maintenance and transformation. In: *The Evolution of Coral Reef Fishes* (L. Rocha, ed.). Johns Hopkins University Press.
- 201X D'Aloia, C. C.*, Bogdanowicz, S. M., Francis, R., Majoris, J., Harrison, R. G. & **Buston, P. M.** A complete marine larval dispersal kernel.
TARGET: *Science* (* Denotes Ph.D. student in Buston lab).
- 201X Lindo, D.*, Curcic, M., Paris C. & **Buston, P. M.** Sub-mesoscale eddy resolving ocean-atmosphere model off the Belizean Barrier Reef.
TARGET: *Ocean Modeling* (* Denotes Postdoc co-mentored by Buston & Paris).
- 201X Majoris, J. E.*, D'Aloia, C. C. & **Buston, P. M.** Habitat preferences at settlement help to explain the distribution of a coral reef fish on its sponge habitat.
TARGET: *Journal of Animal Ecology* (* Denotes Ph.D. student in Buston & Atema labs).

Grants and Fellowships Awarded – US\$ equivalents at time of acquisition

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| 2015 - 2018 | Buston, P. M.* , Atema, J., Paris, C. & Webb, J. COLLABORATIVE RESEARCH: The role of larval orientation behavior in determining population connectivity. (* Denotes lead role; \$612,357 allocated to work at BU, remainder to collaborators) <i>NSF, Ocean Sciences, Biological Oceanography</i> | \$1,231,459 |
| 2013 - 2017 | Buston, P. M.* , Harrison, R. G., Paris, C., Warner, R. & Webb, C. An integrative investigation of population connectivity using a coral reef fish. (* Denotes lead role; \$562,218 allocated to work at BU, remainder to subawards) <i>NSF, Ocean Sciences, Biological Oceanography</i> | \$1,439,000 |
| 2006 - 2011 | Buston, P. M. A test of alternate models of reproductive skew in the humbug damselfish <i>Ministerio de Educación y Ciencia, España</i> | \$200,000 |
| 2002 - 2005 | Buston, P. M. A synthesis of reproductive skew theory and sex allocation theory <i>National Science Foundation and the University of California</i> | \$150,000 |
| 1994 - 2002 | Buston, P. M. An investigation of cooperative breeding in the clown anemonefish <i>Grants from multiple sources</i> | \$52,000 |
| 1997 | Jenkins A. & Buston, P. Ecology of the fishes of Lake Kutubu, Papua New Guinea. <i>World Wide Fund for Nature, Research Grant.</i> | \$15,000 |
| 1992 | Anderson, J. et al. Ecology of black-and-rufous elephant-shrews, Tanzania. <i>Grants from multiple sources, as part of Njule 1992 expedition.</i> | \$16,000 |
| 1991 | Hooker S. et al. Ecology of nocturnal arboreal ship rats, New Zealand. <i>Grants from multiple sources, as part of Kokako 1991 expedition.</i> | \$15,000 |

Grant proposals in review

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| 2014 | Majoris, J. E. & Buston, P. M. DISSERTATION RESEARCH: Testing alternative hypotheses for goal orientation by reef fish larvae throughout development. <i>NSF – IOS – Behavioral Systems</i> | \$16,898 |
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Teaching

Assistant Professor

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| 2016 | Fall | BI508 – Behavioral Ecology |
| 2016 | Spr | BI260 – Marine Biology |
| 2015 | Fall | BI519 – Theoretical Evolutionary Ecology |
| 2015 | Fall | BI671 – Survey of Ecology, Behavior, Evolution and Marine Biology |
| 2015 | Spr | BI260 – Marine Biology |
| 2014 | Fall | BI671 – Survey of Ecology, Behavior, Evolution and Marine Biology |
| 2014 | Spr | BI260 – Marine Biology |
| 2013 | Fall | BI519 – Theoretical Evolutionary Ecology |
| 2013 | Spr | BI260 – Marine Biology |
| 2013 | Fall | BI580 – Progress in Ecology, Behavior, Evolution and Marine Biology |
| 2012 | Fall | BI671 – Survey of Ecology, Behavior, Evolution and Marine Biology |
| 2012 | Fall | BI579 – Progress in Ecology, Behavior, Evolution and Marine Biology |
| 2012 | Spr | BI260 – Marine Biology |
| 2011 | Fall | BI519 – Theoretical Evolutionary Ecology |
| 2011 | Spr | BI260 – Marine Biology |
| 2010 | Fall | No Teaching Requirement. |
| 2010 | Spr | BI519 – Theoretical Evolutionary Ecology |

Guest Lecturer

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| 2015 | Spr | BI303 – Evolutionary Ecology (Stewart). |
| 2014 | Fall | BI225 – Behavioral Biology (Traniello). |
| 2014 | Fall | ES144 – Oceanography (Fulweiler). |
| 2014 | Spr | ES423 – Marine Biogeochemistry (Fulweiler). |
| 2013 | Fall | ES 144 – Oceanography (Fulweiler). |
| 2013 | Spr | ES423 – Marine Biogeochemistry (Fulweiler). |
| 2012 | Fall | ES144 – Oceanography (Fulweiler). |
| 2012 | Fall | BI679 – Pedagogy and Professional Development (Spillios). |
| 2012 | Spr | BI614 – Phenotypic Plasticity (Warkentin). |
| 2012 | Spr | BI224 – Behavioral Biology (Traniello). |
| 2011 | Spr | BI224 – Behavioral Biology (Traniello). |
| 2010 | Fall | ES 144 – Oceanography (Fulweiler). |
| 2010 | Fall | BI532 – Ichthyology (Lobel). |
| 2010 | Spr | BI260 – Marine Biology (Atema). |
| 2001 | Fall | BioES 476 – Biology of Fishes, Cornell University (McCune). |

Instructor

- 2001 Fall Evolutionary Biology, Writing in the Majors, at Cornell University.
 1999 Fall Animal Behavior, Writing in the Majors, at Cornell University.

Head Teaching Assistant

- 2002 Spr Macroevolution, at Cornell University.
 2001 Fall Writing in the Arts and Sciences, at Cornell University.
 1999 Fall Animal Behavior, at Cornell University.
 1999 Spr Modeling Behavioral Evolution, at Cornell University.
 1998 Fall Animal Behavior, at Cornell University.

Teaching Assistant

- 2002 Fall Internship in Education, at Cornell University.
 2001 Fall Internship in Education, at Cornell University.
 1998 Spr Evolutionary Biology, at Cornell University.
 1998 Fall Animal Behavior, at Cornell University.
 1998 Fall Internship in Education, at Cornell University.
 1996 Fall Animal Behavior, at Cornell University.
 1996 Fall Internship in Education, at Cornell University.
 1996 Spr Introductory Biology, at Cornell University.
 1995 Fall Introductory Biology, at Cornell University.
 1995 Spr Introductory Biology, at Cornell University.
 1994 Fall Introductory Biology, at Cornell University.

SCUBA Instructor

- 2013 Sum SCUBA: NAUI Advanced Diver & Dive Rescue.
 2010 Sum SCUBA: NAUI Dive Rescue.
 2001 Fall SCUBA: PADI Open Water, Advanced Open Water, and Rescue Diver courses.
 1999 Fall SCUBA: PADI Open Water, Advanced Open Water, and Rescue Diver courses.
 1998 Fall SCUBA: PADI Open Water, Advanced Open Water, and Rescue Diver courses.
 1996 Fall SCUBA: PADI Open Water, Advanced Open Water, and Rescue Diver courses.

Broader Impacts

Conference Presentations

- 2014 Barbasch, T* & **Buston, P. M.** Negotiations over parental effort: proximate causes of variation in reproductive effort in a social fish. (* Denotes Ph.D. student in Buston Lab).
International Society for Behavioral Ecology, New York.
- 2014 **Buston, P. M.**, Fauvelot, C., Wong, M. Y. L. & Planes, S. Genetic relatedness in groups of the humbug damselfish *Dascyllus aruanus*: small, similarly-sized individuals may be close kin.
International Society for Behavioral Ecology, New York.
- 2014 **Buston, P. M.** An integrative investigation of population connectivity using a coral reef fish.
Ecological Society of America Annual Meeting, Sacramento, CA.
- 2014 D'Aloia, C. C.*, Bogdanowicz, S. M., Harrison, R. G. & **Buston, P. M.** Toward the complete dispersal curve of a coral reef fish. (* Denotes Ph.D. student in Buston Lab).
Ecological Society of America Annual Meeting, Sacramento, CA.
- 2014 Lindo-Atichati, D.*, Curcic, M., **Buston, P. M.** & Paris, C. B. On the physical connectivity along the Belize Barrier Reef: an atmospheric-hydrodynamic model to study population connectivity.
Ocean Sciences Meeting, Honolulu, Hawaii. (* Denotes Postdoc co-mentored by Buston & Paris).
- 2014 Majoris, J. M.*, D'Aloia C. C. & **Buston, P. M.** Settler preferences and post-settlement processes combine to explain the distribution of the sponge goby *Elacatinus lori*.
Society for Integrative and Comparative Biology, Austin, Texas. (* Ph.D. student in Buston Lab).
- 2014 Majoris, J. M.*, D'Aloia C. C. & **Buston, P. M.** Settler preferences and post-settlement processes combine to explain the distribution of the sponge goby *Elacatinus lori*.
International Society for Behavioral Ecology, New York. (* Ph.D. student in Buston Lab).
- 2014 Schmiede, P. & **Buston, P. M.** Behavioral traits of anemonefish affect the anemone-anemonefish mutualism (* Denotes Undergraduate student in Buston Lab).
Ecological Society of America Annual Meeting, Sacramento, CA.
- 2012 **Buston, P. M.**, Jones, G. P., Planes, S. & Thorrold, S. Probability of successful larval dispersal declines fivefold over one kilometer in a coral reef fish.
International Coral Reef Symposium, Cairns, Australia.
- 2012 **Buston, P. M.**, Fauvelot, C., Wong, M. Y. L. & Planes, S. Genetic relatedness in groups of the humbug damselfish *Dascyllus aruanus*: small, similarly-sized individuals may be close kin.
Animal Behavior Society, Albuquerque, New Mexico.
- 2012 Wong, M. Y. L.*, Fauvelot, C., Planes, S. & **Buston, P. M.** Reproductive sharing in the humbug damselfish *Dascyllus aruanus*.
Animal Behavior Society, Albuquerque, New Mexico. (* Denotes Postdoc in Buston lab).
- 2012 Medina, A.*, Uppaluri, C., Arnold, S., Wong, M. Y. L. & **Buston, P. M.** Behavioral consistency and personality variation in the clownfish *Amphiprion ocellaris*.
Animal Behavior Society, Albuquerque, New Mexico. (* Denotes Undergraduate in Buston lab).
- 2008 **Buston, P. M.** The ecology and evolution of hermaphroditism.
Analogies in Evolution of Sexual Strategies in Animals and Plants, Neuhausen, Germany.
- 2008 **Buston, P. M.**, Cant, M. A., Emlen, S. T., Reeve, H. K., Vehrencamp, S. L. & Zink, A. Reproductive skew and the evolution of conflict resolution.
International Behavioral Ecology Congress, Ithaca, NY, USA.

- 2006 **Buston, P. M.** & Emlen, S. T. Cognitive processes underlying human mate choice. *International Behavioral Ecology Congress*, Paris, France.
- 2002 **Buston, P. M.** Resolution of potential evolutionary conflict over group membership in clownfish. *International Behavioral Ecology Congress*. Montreal, Canada.
- 2000 **Buston, P. M.** Forcible eviction and prevention of recruitment in the clownfish. *International Behavioral Ecology Congress*. Zurich, Switzerland
- 1998 **Buston, P. M.** Ecology, Mating Systems, and the Evolution of Hermaphroditism. *Ecological and Evolutionary Ethology of Fishes Conference*. Seattle, WA USA.

Symposium Participation

- 2015 Invited participant in the symposium entitled “Larval Dispersal and Population Connectivity”. *Larval Fish Conference, Vienna, Austria*.
- 2015 Invited participant in the symposium entitled “Waterscape Genetics – Applications of Landscape Genetic Approaches to Freshwater and Marine Settings”. *International Association of Landscape Ecologists, Portland, Oregon, USA*.
- 2014 Invited participant in the symposium entitled “Integrating Dispersal Into Life Histories: Empirical and Theoretical Approaches in Aquatic and Terrestrial Systems”. *Ecological Society of America Annual Meeting, Sacramento, California, USA*.
- 2013 Invited participant in the “Shermania” symposium, to celebrate retirement of P. W. Sherman. *Department of Neurobiology and Behavior, Cornell University, NY, USA*.
- 2012 Co-chair for mini-symposium entitled “The Ecological Importance of Larval Dispersal”. *International Coral Reef Symposium, Cairns, Australia*.
- 2011 Invited moderator for session entitled “Reproductive Conflict”. *Ethology Investigates: Cooperation (online conference on cooperation)*.
- 2006 – 2008 Participant in workshop entitled “Machine Learning for the Environment” (4 meetings). *National Center for Ecological Analysis and Synthesis*.
- 2002 – 2008 Participant in workshop entitled Reproductive Skew: a Critical Assessment (4 meetings). *Department of Neurobiology and Behavior, Cornell University*.

Invited Seminars

- 2015 Corning School of Ocean Studies, Maine Maritime Academy, Castine, Maine, USA. *A. Verde, host*.
- 2015 Department of Psychology, McMaster University, Hamilton, Ontario, Canada. *S. Balshine, host*.
- 2015 Department of Biological Sciences, Auburn University, Auburn, Alabama, USA. *N. Chadwick, host*.
- 2015 Department of Marine and Environmental Sciences, Northeastern University, Boston, USA. *R. Rosengaus, host*.
- 2014 Lizard Island Research Station, Australian Museum, Queensland, Australia. *L. Vail & A. Hoggett, hosts*.
- 2014 School of Marine Biology and Aquaculture, James Cook University, Townsville, Queensland, Australia. *J. Donelson, host*.

- 2014 Department of Biological Sciences, Macquarie University, Sydney, Australia.
S. Griffith, host.
- 2014 School of Biological Sciences, University of New South Wales, Sydney, Australia.
R. Brooks, host.
- 2014 School of Biological Sciences, University of Wollongong, Wollongong, Australia.
M. Wong, host.
- 2014 Department of Evolution, Ecology and Organismal Biology, Ohio State University, USA.
I. Hamilton, host.
- 2013 Department of Biology, Boston University, Boston, USA.
S. Mullen, host.
- 2013 Department of Biological Sciences, University of Pittsburgh, Pittsburgh, USA.
J. Pruitt, host.
- 2013 Biology Department, U Mass Amherst, Amherst, USA.
P. Brennan, host.
- 2013 School of Environmental and Biological Sciences, Rutgers University, NJ, USA.
M. Pinsky, host.
- 2012 Department of Biological Science, University of Rhode Island, Rhode Island, USA.
J. Webb, host.
- 2012 Darwin Festival Speaker, Salem State University, Massachusetts, USA.
A. Viecelli, host.
- 2011 Department of Ecology and Evolutionary Biology, Yale University, Connecticut, USA.
S. Alonzo, host.
- 2010 Biology department, U Mass Dartmouth, Massachusetts, USA.
R. Drew & K. Kavanagh, hosts.
- 2010 Woods Hole Oceanographic Institution, Massachusetts, USA.
S. Thorrold, host.
- 2009 Department of Biology, Colorado State University, Fort Collins, CO, USA.
C. Webb, host.
- 2009 School of Biological Sciences, University of Exeter, Exeter, UK.
Climate Change Biology Search Committee, host.
- 2009 Department of Biology & Boston University Marine Program, Boston, MA, USA.
M. Sorenson, host.
- 2008 Center for Ecology and Conservation, University of Exeter, Cornwall, UK.
M. Cant, host.
- 2007 University of the South Pacific, Suva, Fiji.
A. Jenkins, host.
- 2006 Centre de Biologie et d'Ecologie Tropicale et Mediterraneenne, University of Perpignan, Perpignan, France. *S. Planes, host.*
- 2005 Department of Anthropology, University of California, Davis, CA, USA.
M. Borgerhoff Mulder, host.
- 2005 Center for Population Biology, University of California, Davis, CA, USA.
R. Glor, host.

- 2005 Department of Zoology, University of Cambridge, Cambridge, UK.
R. Johnstone, host.
- 2005 School of Marine Biology and Aquaculture, James Cook University, Townsville, Queensland, Australia. *P. Munday, host.*
- 2005 Department of Zoology, University of Cambridge, Cambridge, UK.
Malcolm Burrows, host.
- 2004 Department of Behavioural Ecology, Zoological Institute, University of Bern, Switzerland.
M. Taborsky, host.
- 2004 Estación Biológica de Doñana, CSIC, Sevilla, Spain.
J. Bascompte, host.
- 2004 Bamfield Marine Science Center, University of British Columbia, Bamfield, British Columbia, Canada. *C. Bates, host.*
- 2004 Department of Biology, New Mexico State University, Las Cruces, New Mexico, USA.
D. Bailey, host.
- 2002 Department of Ecology, Evolution, and Marine Biology, University of California, Santa Barbara, CA, USA. *R. Warner, host.*
- 2002 Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ, USA.
M. Wikelski, host.
- 2001 Department of Psychology, McMaster University, Hamilton, Ontario, Canada.
S. Balshine, host.
- 2001 Division of Life Sciences, University of Toronto, Scarborough, Ontario, Canada.
M. Andrade, host.
- 2001 Department of Biology, McGill University, Montreal, Quebec, Canada.
A. Vincent, host.
- 2000 Museum of Vertebrate Zoology, Department of Integrative Biology, University of California, Berkeley, CA, USA. *E. Lacey, host.*

Outreach Talks

- 2013 Center for Ocean Science Education Excellence. Science Café, Cambridge, MA, USA.
Bob Chen, host.
- 2012 What is Nemo's life really like? British School of Boston, Boston, MA.
Alison Yeardley, host.

Popular press coverage (selected)

- 2012 Bostonia Magazine.
Barlow, R. Terrible swimmer, great personality.
- 2011 BU Today, Headline News.
Barlow, R. Terrible swimmer, great personality.
- 2011 The Naked Scientist, Critter of the Month.
Scales, H. Gender bending critter reveals what live is like as a male and then female.
- 2007 National Geographic, Daily News.
Norris, S. Coral reef fish starve themselves to maintain social order.
- 2003 CNN, Science and Space.
Kellan, A. Nemo puts clownfish in spotlight.
- 2003 New Scientist, News.
Vince, G. Clownfish turn transsexual to get on in life.
- 2003 New York Times, Science.
Fountain, H. Clownfish social register.
- 2003 CNN, Science and Space.
Scientists: Opposites don't attract.
- 2003 New Scientist, News.
Zandonella, C. Opposites do not attract in mating game.
- 2003 New York Times, Science.
Angier N. Opposites attract? Not in real life.
- 2003 National Public Radio, Talk of the Nation.
- 2003 Canadian Broadcasting Company, Quirks and Quarks.

Professional Service Within the Department of Biology at Boston University

Miscellaneous Service

- 2014 Department representative at the workshop on Assessment in Departments and Programs at BU
- 2014 Chair of Graduate Committee
- 2014 Facilitator of BI 579 / 580 Progress in Ecology, Behavior and Evolution
- 2014 BioBugs Lunch Round Table
- 2014 Open House Lab Tours x 2
- 2014 Department of Biology, undergraduate advising (Spring n = 32, Fall n = 25)
- 2013 Chair of Graduate Committee
- 2013 Ecology, Behavior, Evolution and Marine Biology Seminar Organizer
- 2013 Open House Lab Tours x 3
- 2013 Department of Biology, undergraduate advising (Spring n = 42, Fall n = 44)
- 2012 Member of Microbial Ecology Search Committee
- 2012 Member of Graduate Committee
- 2012 Ecology, Behavior, Evolution and Marine Biology Seminar Organizer
- 2012 Department of Biology, undergraduate advising (Spring n = 32, Fall n = 33)
- 2011 Ecology, Behavior, Evolution and Marine Biology Seminar Organizer
- 2011 Department of Biology, undergraduate advising (Spring n = 19, Fall n = 36)
- 2010 BioMixer
- 2010 Freshman Friday x 2

Postdoctoral mentor

- 2011 – 2012 Marian Wong, Department of Biology, Boston University, USA.

Ph.D. advisor / co-advisor

- 2014 – 2020 Rebecca Branconi, Department of Biology, Boston University, USA.
- 2013 – 2019 Tina Barbasch, Department of Biology, Boston University, USA.
- 2010 – 2015 Cassidy D'Aloia, Department of Biology, Boston University, USA.
- 2009 – 2015 John Majoris, Department of Biology, Boston University, USA.

Masters advisor / co-advisor

- 2012 – 2015 Jeremiah Seymour, Department of Biology, Boston University, USA.
- 2011 – 2014 Alissa Rickborn, Department of Biology, Boston University, USA.

Ph.D. committee member

- 2013 – 2019 Andrew Hoadley, Department of Biology, Boston University, USA.
- 2013 – 2019 Katey Lesneski, Department of Biology, Boston University, USA.

- 2011 – 2017 Jesse Delia, Department of Biology, Boston University, USA.
2010 – 2016 Kristina Cohen, Department of Biology, Boston University, USA.
2010 – 2016 Elizabeth Burmester, Department of Biology, Boston University, USA.
2009 – 2014 Aryn Wilder, Department of Biology, Boston University, USA.

Masters committee member

- 2010 – 2014 Sarah Pilzer, Department of Biology, Boston University, USA.
2011 – 2014 Julie Nicol, Department of Biology, Boston University, USA.
2009 – 2012 Eli Romero, Department of Biology, Boston University, USA.
2009 – 2011 Tejashree Modak, Department of Biology, Boston University, USA.

Undergraduate honors advisor

- 2013 – 2014 Philip Schmiede

Undergraduate mentor

- 2015 – Spencer Showalter, Department of Biology, Boston University.
2014 – 2015 Alex Ascher, Department of Biology, Boston University.
2014 – 2015 Jarrod Moore, Department of Biology, Boston University.
2014 – 2015 Linda Wong, Department of Biology, Boston University.
2013 – 2015 Katrina Catalano, Department of Biology, Boston University.
2013 – 2015 Andrew Lacqua, Department of Biology, Boston University.
2013 – 2015 Athbah Almuhairi, Department of Biology, Boston University.
2013 – 2015 Cara Martone, Department of Biology, Boston University.
2012 – 2014 James Ferritto, Department of Biology, Boston University.
2012 – 2014 Philip Schmiede, Department of Biology, Boston University.
2012 – 2014 Derek Scolaro, Department of Biology, Boston University.
2011 – 2014 Diana Acosta, Department of Biology, Boston University.
2011 – 2013 Corinne Burns, Department of Biology, Boston University.
2011 – 2013 Arianna Medina, Department of Biology, Boston University.
2011 – 2013 Curran Uppaluri, Department of Biology, Boston University.
2011 – 2011 Stacy Arnold, Department of Biology, Boston University.

High School Student advisor

- 2015 Anastasia Carney, Cambridge Rindge and Latin (with Paul McGuinness).
2014 – 2015 Jameelah Julien, Science Club For Girls (with Brandy Freitas).
2013 Gabriella Smith, Andover High School.
2012 – 2013 Josephine Eugene, Cambridge Rindge and Latin (with Paul McGuinness).
2012 – 2013 Netaya Strothers, Science Club For Girls (with Meghna Marjadi).
2012 – 2013 Zainab Salejwala, Science Club For Girls (with Meghna Marjadi).

Hosted Seminars

- 2014 Dr. Sasha Dall, Exeter University, UK.
- 2012 Dr. Geoff Jones, James Cook University, Australia.
- 2012 Dr. Maya Srinivasan, James Cook University, Australia.
- 2012 Dr. Patricia Brennan, University of Massachusetts at Amherst, USA.
- 2012 Dr. Dustin Rubenstein, Columbia University, USA.
- 2012 Dr. Jacqueline Webb, University of Rhode Island, USA.
- 2012 Dr. Peter Sale, Windsor University, Canada.
- 2011 Dr. Suzanne Alonzo, Yale University, USA.
- 2011 Dr. Claire Paris, University of Miami, USA.
- 2011 Dr. Maydianne Andrade, University of Toronto, Canada.
- 2010 Dr. Andrew Russell, University of Sheffield, UK.

Professional Service Beyond the Department of Biology at Boston University

Undergraduate honors advisor

2013 – 2014 Derek Scolaro (Marine Science)

Undergraduate honors committee member

2012 – 2013 Sam Andrews (Marine Science)

2012 – 2013 Corinne Burns (Marine Science)

2012 – 2013 Mary-Kate Rogener (Marine Science)

Miscellaneous Service

2014 Facilitator, Responsible Conduct of Research Program, Workshop I, Boston University

2014 Facilitator, Responsible Conduct of Research Program, Workshop II, Boston University

2014 Member of UROP Faculty Advisory Committee.

2014 Member of Dive Control Board, Environmental Health and Safety.

2014 Facilitator, Responsible Conduct of Research Program, Workshop IV, Boston University

2014 Facilitator, Responsible Conduct of Research Program, Workshop III, Boston University

2013 Member of BUMP working group to develop a “Student Learning Outcomes Assessment”.

2013 Member of UROP Faculty Advisory Committee.

2013 Member of Dive Control Board, Environmental Health and Safety.

2013 Representative for Marine Science at the Academic Departmental Expo

2012 Instructor, Skin Diving for Marine Semester students, Boston University Marine Program.

2012 Facilitator, Responsible Conduct of Research Program, Workshop II, Boston University

2012 Facilitator, Responsible Conduct of Research Program, Workshop I, Boston University

2012 Representative for Marine Science at the Academic Departmental Expo

2012 Presentation to student Marine Science Association

Professional development with a view to future service to BU Marine Program

2014 SSI – Free Diving course.

2013 SSI – Science of Diving course.

2011 American Academy of Underwater Sciences, Dive Safety Officer orientation and training

2011 Divers Alert Network, First Aid / CPR / Oxygen provision, Instructor course

2010 SSI – Dry-suit diving course.

2010 NAUI – SCUBA Instructor course.

2010 Red Cross – First Aid / CPR / AED course.

2010 NASBLA / US Coast Guard – Boating Safety course.

1996 PADI – SCUBA Instructor course

Professional Service Outside of Boston University

Professional Reviews – Associate Editor

- 2014 – Frontiers in Marine Science
 2014 – Frontiers in Ecology and Evolution
 2010 – 2013 Behavioral Ecology and Sociobiology

Professional Reviews – Panelist

- 2013 NSF Biological Oceanography Program
 2012 Animal Behavior – Student Awards
 2011 Animal Behavior – Student Awards

Professional Reviews – Grant Proposals

- 2009 – 2014 National Science Foundation (5)
 National Geographic (1)

Professional Reviews – Scientific Manuscripts

- | | | |
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| <p>2003 – 2014</p> | <p>American Naturalist (3) Behavioral Ecology (5) Biological Bulletin (1) Biology Letters (2) Coral Reefs (2) Current Biology (1) Ecology Letters (1) Ethology (4) Evolutionary Ecology (2) Journal of Fish Biology (5) Marine Biology (4) Molecular Ecology (5) Nature (2) Oikos (1) PNAS (1) Science (2)</p> | <p>Animal Behaviour (1) Behavioral Ecology and Sociobiology (3) Biological Reviews (2) BioMed Central Biology (1) Canadian Journal of Zoology (1) Ecology (1) Environmental Biology of Fishes (2) Evolution (1) Journal of Animal Ecology (3) Journal of Theoretical Biology (1) Marine Ecology Progress Series (1) Marine and Freshwater Research (1) Oecologia (1) PLOS One (1) Proceedings of the Royal Society, Series B (7) Trends in Ecology and Evolution (1)</p> |
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Hosted Seminars

2007 Dr. Elizaveta Pachepsky, Microsoft Research, UK.

2006 Dr. Michael Cant, Cambridge University, Cambridge, UK.

Postdoctoral mentor / co-mentor

2013 – 2016 David Lindo, University of Miami, USA.

Ph.D. committee member

2012 – 2018 Matt Foretich, University of Miami, USA.

2008 – 2012 Letizia Campioni, Estación Biológica de Doñana, Sevilla, Spain.

2004 – 2007 Marian Wong, James Cook University, Townsville, Australia.

Masters committee member

2010 – 2012 Nicole Rodstrom, Department of Biology, UMass Dartmouth, USA.

Undergraduate advisor

2013 Robin Francis (Volunteer), Department of Ecology and Evolution, UCSB, USA.

1997 Claire Norris (Volunteer), Department of Zoology, Oxford University, UK.

1996 Michael Black (Volunteer), Dept of Neurobiology & Behavior, Cornell University, USA.