

# Tina A. Barbasch

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## Education

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Cornell University (USA)	Biology	B.A.	2009
Boston University (USA)	Animal Behavior and Marine Ecology	PhD	2020 (expected)

## Appointments

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2013 – present	Graduate Student, Department of Biology, Boston University USA
Feb-Jun 2013	High School Science Teacher, Peace Corps, Liberia
2010 – 2012	Environmental Educator, Peace Corps, Morocco
Jun-Jul 2009	Research Assistant, Case Western Reserve University USA

## Fellowships, Awards, and Honors

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2019	Boston University Biology Department Travel Award	\$500
2018	Boston University Women's Guild Award	\$1000
2018	Warren McLeod Annual Fellowship	\$30000
2018	National Science Foundation Doctoral Dissertation Improvement Grant	\$11995
2017	Graduate Research Abroad Fellowship	\$11496
2016	Graduate Student Organization Travel Award	\$500
2016	National Science Foundation Travel Award	\$1000
2014	Warren McLeod Summer Fellowship	\$10000
2013	National Science Foundation Graduate Research Fellowship	\$90000
2013	Dean's Fellowship	\$10000
2009	Phi Beta Kappa Society	
2009	Golden Key International Honor Society	

## Publications

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\* = undergraduate author

*In print*

**Barbasch, T.A.** and Buston, P.M. 2018. Plasticity and Personality of Parental Care in the Clown Anemonefish. *Animal Behaviour*, 136: 65-73.

Rueger, T., **Barbasch, T.A.**, Wong, M.Y.L., Srinivasan, M., Jones, G.P., and Buston, P.M. 2018. Reproductive control via the threat of eviction in the clown anemonefish. *Proc. Roy. Soc. B*. 285, 20181295.

Seymour, J.R., **Barbasch, T.A.**, and Buston, P.M. 2018. Lunar cycles of reproduction in the clown anemonefish *Amphiprion percula*: individual-level strategies and population-level patterns. *MEPS*, 594: 193-201.

**Barbasch T.A.** and Benard M.F. 2011. Past and present risk: exposure to predator chemical cues before and after metamorphosis influences juvenile wood frog behavior. *Ethology*, 117: 367-373.

*In review*

**Barbasch, T.A.**, Alonzo, S.H., and P.M. Buston. 201X. Power and Punishment Influence Negotiations over Parental Care. *Behavioral Ecology*. In review.

Branconi, R., **Barbasch, T.A.**, Francis, R., Srinivasan, M., Jones, G. & Buston, P. M. (201X) Ecological and social constraints promote social evolution in the clown anemonefish. *Current Biology*. In review.

*In preparation*

**Barbasch, T.A.**, Rueger, T., Srinivasan, M., Jones, G.P., Wong, M.Y.L., and Buston, P. M. 201X. Local environment influences reproduction, parental care, and larval traits in a coral reef fish. In preparation. Target: *Ecology Letters*

**Barbasch, T.A.**, Branconi, R., Pacaro, M.\* & P.M. Buston. 201X. Negotiations Over Offspring Care: A Test of Alternative Hypotheses Using the Clown Anemonefish. In preparation. Target: *Behavioral Ecology*

Pacaro, M.\*, **Barbasch, T.A.**, Rogers, M.\*, Chavez, J.\*, Majoris, J. & Buston, P. (201X) Nocturnal parental care and the role of parents in hatching of eggs in the clown anemonefish *Amphiprion percula*. In preparation. Target: *Animal Behaviour*

## Invited Seminars

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- 2017 "Sex, Power, and Negotiations in the Clown Anemonefish"  
Hazel Leonard Dick Symposium on Interdisciplinary Approaches to Gender
- 2015 "Negotiations over Parental Care in the Clown Anemonefish"  
Hazel Leonard Dick Symposium on Interdisciplinary Approaches to Gender

## Conference Presentations

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*Oral presentations*

- 2019 "Local Environment Influences Reproduction, Parental Care, and Larval Traits in the Clown Anemonefish"  
Animal Behavior Society – Chicago, IL.
- 2019 "Local Environment Influences Reproduction, Parental Care, and Larval Traits in the Clown Anemonefish"  
Evolution – Providence, RI.
- 2016 "Plasticity and Personality of Parental Care in the Clown Anemonefish"  
International Society for Behavioral Ecology – Exeter, UK.

*Poster presentations*

- 2014 "Negotiations Over Parental Care in the Clown Anemonefish"  
International Society for Behavioral Ecology – New York City, NY.

## **Teaching Experience**

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### *Teaching assistant positions*

- 2020 Theoretical Evolutionary Ecology, Boston University
- 2018 Theoretical Evolutionary Ecology, Boston University
- 2018 Coral Reef Dynamics, Boston University
- 2017 Coral Reef Dynamics, Boston University
- 2013 Marine Biology, Boston University

### *Guest lectures*

- 2018 “Density Dependent Growth in Discrete Time” – Theoretical Evolutionary Ecology, Boston University
- 2018 “Power and Punishment Influence Negotiations Over Parental Care” – Theoretical Evolutionary Ecology, Boston University
- 2017 “Negotiations Over Parental Care in the Clown Anemonefish” – Behavioral Ecology, Boston University
- 2015 “Hot Topics in Marine Biology: Behavioral Negotiations in a Dynamic Coral Reef Environment” – Marine Biology, Boston University
- 2014 “Hot Topics in Marine Biology: Behavioral Negotiations in a Social Reef Fish ” – Marine Biology, Boston University

## **Mentoring (7 women, 4 minority students)**

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\* = senior thesis

### ***Boston University Undergraduate Research Opportunities Program (UROP)***

- 2018 – 2020 Madison Pacaro\* (Boston University)
- 2018 – 2020 Michaela Rogers (Boston University)
- 2017 – 2019 Sadie Thompson\* (Boston University)
- 2015 – 2016 Alex Ascher\* (Boston University)
- 2014 – 2016 Linda Wong (Boston University)
- 2014 – 2016 Jarrod Moore (Boston University)
- 2013 – 2015 Cara Martone\* (Boston University)

### ***Summer Undergraduate Research Fellowship (SURF) Program***

- 2015 Braiam Rosado (Universidad del Turabo, Puerto Rico)

### ***Science Club for Girls***

- 2014 – 2016 Jameelah Julien (Boston Latin High School)

### ***Undergraduate Field Assistants***

- 2018 Michaela Schniedewind (Boston University)

## Outreach Activities

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- 2019 Supervised coral reef snorkeling sessions for 19 local secondary school girls as part of the Mahonia Na Dari Marine Environment Education Program, Kimbe, Papua New Guinea
- 2019 Science Fair Judge, Cove Elementary School
- 2018 Climate Change Panel, Cambridge Ringe and Latin High School
- 2018 Prepared educational materials for the Marine Environmental Education Program at the Mahonia Na Dari field station, Kimbe, Papua New Guinea
- 2016 Published a “data nugget” (<http://datanuggets.org/2016/10/raising-nemo/>)
- 2013 – 2016 Coordinator and teacher for Biology Inquiry and Outreach with Boston University Graduate Students (BIOBUGS)

## Reviewing

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| Proceedings of the Royal Society B (x1) | Acta Ethologica (x1)                     |
| Animal Behaviour (x1)                   | Vie et Milieu, Life and Environment (x1) |

## Other Information

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*SCUBA*: Rescue Diver (PADI), Scientific Diver (American Academy of Underwater Sciences)

*Fieldwork*: Kimbe Bay, Papua New Guinea (May - Aug 2017; May - Sept 2018; Nov - Dec 2019)

*Software*: R, MATLAB, Mathematica, LaTeX