

Fiona L. Beltram

69 Brown St., Box 2280, Providence, RI 02912
fiona_beltram@brown.edu

Education

Sc.B., Biology, Brown University. Expected completion with honors in the degree, 2018

Research Experience

Member of the Witman Lab, Brown University

September 2014 – present

Research Interests

- benthic invertebrate diversity and community composition, Galapagos Islands
- effects of multiple El Niño cycles on diversity and ecosystem function, Galapagos Islands
- community ecology, Gulf of Maine
- diving physiology, SCUBA/rebreather technology

Work in Progress

- thesis for honors in the degree: *Characterizing the Ecological Impact of Cyanobacterial Mats on Galapagos Subtidal Reefs*

Skills

- scientific diving, including experiment setup and visual monitoring/sampling techniques
 - three years of fieldwork in the Galapagos Islands, Gulf of Maine
 - experience working in high-flow conditions with large oceanographic instruments and construction tools
- PADI SCUBA certification, Advanced and Rescue Diver levels
 - Over 100 logged dives as of August 31, 2017
- knowledge of taxonomy (invertebrates, fish)
- languages: conversational Spanish, intermediate Russian, introductory Arabic
- computer proficiency: Excel, Photoshop, R statistical coding and graphics creation, JavaScript coding, introductory MATLAB
- public speaking
- science communication and outreach

Grants, Honors, Awards

Appearance on National Geographic's TV documentary "Sea of Hope: America's Underwater Treasures"

January 2017

Voss Fellowship, Brown University (IBES)
"Effects of a Noxious Cyanobacteria on Community Composition of the Galapagos Reefs"

\$7500.00

June 2017

UTRA Grant, Brown University
"Decadal-Scale Changes in the Gulf of Maine"

\$3500.00

June 2015

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Teaching and Conference Experience

- Teaching Assistant, Brown University, Coastal Ecology (ENVS 0455) Fall 2017
- Teaching Assistant, Brown University, Invertebrate Zoology (BIOL 0410) Fall 2017
- speaker at end-of-summer conference, Fundación Charles Darwin: “Desencadenadores Ambientales y Efectos Ecológicos de Cianobacterias Bentónicas” Summer 2017
- Teaching Assistant, Brown University, Principles of Ecology (BIOL 0420) Spring 2017

Relevant Courses

BIOL 1950 – Independent Study for Thesis Development	Fall 2017
BIOL 1420 – Experimental Design in Ecology	Fall 2017
BIOL 1470 – Conservation Biology	Fall 2017
BIOL 1440 – Marine Biology	Spring 2017
BIOL 1540 – Molecular Genetics	Spring 2017
BIOL 0495 – Statistical Analysis of Biological Data	Spring 2017
BIOL 0410 – Invertebrate Zoology	Fall 2016
GEOL 1130 – Ocean Biogeochemical Cycles	Fall 2016
PLCY 1702B – Governing the Seven Seas (21 st Century Law/Policy)	Fall 2016
CHEM 0360 – Organic Chemistry II	Fall 2016
BIOL 0350 – The Fossil Record: Life Through Time on Earth	Spring 2016
BIOL 0420 – Principles of Ecology	Spring 2016
CHEM 0350 – Organic Chemistry I	Spring 2016
ENVS 0455 – Coastal Ecology and Conservation	Fall 2015
BIOL 0470 – Genetics	Fall 2015
PHYS 0060 – Foundations of Electromagnetism and Modern Physics	Spring 2015
CHEM 0330 – Rate, Structure, and Equilibrium	Spring 2015
PHYS 0050 – Foundations of Mechanics	Fall 2014
MATH 0170 – Advanced Placement Calculus	Fall 2014

Other Qualifications/Interests

- Red Cross Lifeguard (+CPR/AED) certifications, 2011-2015
- member of Brown University’s cross-country, indoor track, and outdoor track teams (2014-2016)
- tutoring (AP Biology, advanced ESL, Precalculus, 2 years’ experience)
- semi-professional triathlon (member of Nor’easter Triathlon’s Elite Development Squad, July 2017-present)