

Jillian Dunic

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🌐 <http://byrneslab.net/project/jillian-dunic/>

Research Interests

Community ecology, food web structure, mathematical ecology

Education

- 2007–2013 **M.Sc.**, *University of Massachusetts Boston*, Boston, MA, *in progress*.
Biology
- 2007–2013 **B.Sc.** Biology (Honours), *University of Victoria*, Victoria, BC, with distinction.
Thesis: Variation in allometric and body size-trophic relationships across coral reef functional groups
- 2009–2010 Mahidol University International College, Bangkok, *Exchange*.

Experience

Research

- 2012–2013 **Research Assistant**, *Julia Baum*, Victoria, BC.
Lab management and accounting, database design and management for stable isotope data, and preprocessing samples for stable isotope analysis.
- 2011 **NSERC USRA student**, *University of Victoria - VENUS project*.
Documented zooplankton-benthic interactions using VENUS imagery data and plankton tows in Saanich Inlet, BC. Used Python and Django web framework to create a database for image and environmental data.
- 2010 **Student Researcher**, *Mahidol University International College*, Bangkok, Thailand.
Independent study: "Variations in chlorophyll fluorescence of coral genera from Koh Tao, Thailand in response to the 2010 bleaching event".
- 2010 **Coral Reef Conservation Volunteer**, *New Heaven Dive School*, Koh Tao, Thailand.
Marine conservation internship consisting of conducting marine invertebrate, fish, and substrate surveys, and coral restoration. Assisted with new volunteer training in the Ecological Monitoring Program.

Teaching

- 2013–Present **Introductory Biology**, UMass Boston.
- 2007–2013 **Private Tutor**, Victoria, BC.
High school: IB Chemistry, IB Physics, IB English, Math, and Science 10
- 2011–2012, 2009 **Assistant Aquarist and Interpreter**, *Shaw Ocean Discovery Centre*, Victoria, BC.
Volunteer interpreter and assistant aquarist responsible for animal husbandry of temperate, salt-water species, and field collections. In 2009, worked as an interpreter to teach and develop educational material for all-ages, and to manage and train volunteers..

Posters & Presentations

Conferences

2013/05/12 **CSEE 2013**, *University of British Columbia, Okanagan, BC*, Size matters? Gape size–body size relationships in coral reef fishes [poster].

Awards

- 2013 CSEE 2013 Poster 3rd prize, (\$200).
- 2012 Bob Wright Undergraduate Scholarship (\$5 000), Bamfield Marine Sciences Centre (\$500), Dean's List (UVic).
- 2011 NSERC USRA, (\$4 500).
- 2009 Student International Activity Fund (\$500).
- 2008 President's scholarship (\$750, UVic), Pamela Valentine Memorial Scholarship (\$250), Dean's List (UVic).
- 2007 President's entrance scholarship (\$4000).

Computer skills

- Languages SQL, R, Python, LaTeX
- Databases SQLite, Postgres, Django web framework

Certifications

Standard First Aid (16 hrs), Canadian Association of Underwater Science Diver, Pleasure Craft Operators Certification, Restricted Operator's Certificate (Maritime)