

Emily M. Adamczyk

Biodiversity Research Centre | Department of Zoology
University of British Columbia
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EDUCATION

- University of British Columbia**, PhD student in Zoology 2015 – present
Marine Ecology and Conservation. Advisors: Mary O'Connor and Laura Parfrey
- University of California – San Diego**, Master of Science in Biology Sept. 2014
Thesis: Effects of food web interactions and climate on $p\text{CO}_2$ in San Diego Reservoirs. Advisor: Jonathan Shurin
- University of California – San Diego**, Bachelor of Science in General Biology Sept. 2013
with a minor in Music
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FELLOWSHIPS AND AWARDS

- 2017 Women Divers Hall of Fame – Marine Conservation Scholarship (\$2,000 USD)
2015 University of British Columbia Four Year Doctoral Fellowship (\$72,800 CAD)
2012 Capital One Academic All-District Team (CoSIDA), University of California, San Diego
2012 Athlete of the Year, University of California, San Diego
2012 Athletic Director's Honor Roll, University of California, San Diego
2012 All-American Swimmer, University of California, San Diego
2011 All-American Swimmer, University of California, San Diego
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PUBLICATIONS

Adamczyk, EM and JB Shurin. 2015. Seasonal Changes in Plankton Food Web Structure and Carbon Dioxide Flux from Southern California Reservoirs. *PLoS ONE* 10(10): e0140464. doi:10.1371/journal.pone.0140464

Adamczyk, EM and JB Shurin. 2014. Effects of trophic interactions and climate on CO_2 flux from reservoirs. *UC San Diego Saltman Quarterly* 11:49.

TALKS AND PRESENTATIONS

Adamczyk, EM, ML Campbell, and MI O'Connor. 2017. Identifying human impacts on eelgrass faunal biodiversity in Barkley Sound, Vancouver Island. *Canadian Society for Ecology & Evolution Meeting*.

Adamczyk, EM and MI O'Connor. 2016. A stitch in time: Weaving together species interactions in the Salish Sea. *Salish Sea Ecosystem Conference*.

Adamczyk, EM and JB Shurin. 2014. Impacts of seasonal variation in trophic interactions and climate on carbon dioxide flux from San Diego reservoirs. *99th Annual Meeting of the Ecological Society of America PS 5*.

Adamczyk, EM and JB Shurin. 2014. How do seasonal changes in food web dynamics and climate affect carbon dioxide flux from San Diego reservoirs? *Annual UCSD Biology Student Research Showcase*.

INVITED WORKSHOPS AND WORKING GROUPS

Workshop, <i>Seagrass Phenology</i> , Vancouver, BC, Canada	2017
Data Management Workshop, COMPASS Workshop, and Network Meeting <i>CHONe II COMPASS Workshop & Network Conference</i> , Gatineau, QC, Canada	2017
Workshop, <i>CHONe II / DEVOTES Indicators Workshop</i> , Montreal, QC, Canada	2016
Workshop, <i>Eelgrass Faunal Monitoring</i> , Victoria, BC, Canada	2016
Research Exchange, <i>Hakai Institute Research Exchange</i> , Nanaimo, BC, Canada	2016
Workshop, <i>Seagrass BC</i> , Victoria, BC, Canada	2016
Network Meeting, <i>Canadian Healthy Oceans Network (CHONe II)</i> , Montreal, QC, Canada	2015
Research Exchange, <i>Hakai Institute Research Exchange</i> , Nanaimo, BC, Canada	2015

OUTREACH ACTIVITIES

UBC Zoology Graduate Student Association , President	2017 – present
Social Media Co-coordinator , World Conference on Marine Biodiversity (2018)	2017 – present
'Way Cool' public talk , " <i>Seagrass meadows are way cool because...</i> ", Beaty Biodiversity Museum at UBC, Vancouver, BC	2017
Eelgrass Citizen Science Workshop , Friends of Semiahmoo Bay, White Rock, BC (4 hours)	2017

Public Outreach Volunteer , Canadian Society for Ecology & Evolution (CSEE) Meeting, Victoria, BC (4 hours)	2017
Science Fair Judge , Greater Vancouver Regional Science Fair, University of British Columbia (12 hours)	2016, 2017
Whale Watching Volunteer , Birch Aquarium at Scripps Institution of Oceanography, University of California, San Diego (40 hours)	2014
Discovery Lab Assistant , Birch Aquarium at Scripps Institution of Oceanography, University of California, San Diego (30 hours)	2014 – 2015
Aquarist Assistant , Birch Aquarium at Scripps Institution of Oceanography, University of California, San Diego (250 hours)	2013 – 2015
Exhibitor , San Diego Festival of Science and Engineering, University of California, San Diego SCUBA club (SeaDeucers) (8 hours)	2013
Tide Pool Interpreter , Birch Aquarium at Scripps Institution of Oceanography, University of California, San Diego (30 hours)	2012 – 2013
Snowy Plover Docent , Coal Oil Point Reserve, University of California, Santa Barbara (30 hours)	2010
Student Naturalist , Eaton Canyon Nature Center, Department of Parks and Recreation, County of Los Angeles (300 hours)	2005 – 2008

TEACHING AND MENTORING EXPERIENCE

Teaching Assistant

UBC , BIOL 402, Aquatic Ecology	Fall 2016, 2017
UCSD , BIEB 176, Conservation and the Human Predicament	Spring 2014
UCSD , BILD 3, Organismic and Evolutionary Biology	Winter 2014
UCSD , BIEB 102, Introductory Ecology – Organisms and Habitat	Fall 2013

Mentor

UBC Undergraduate Research Assistants (4 students); O'Connor Lab	2016 – present
UCSD Preuss School high school student	2014 – 2017
UCSD Undergraduate Research Assistants (5 students); Shurin Lab	2014
UCSD BSc Environmental Systems senior intern (Co-advised by Dr. Jonathan Shurin)	2013-2014

RESEARCH EXPERIENCE

- Graduate Student**, Shurin Lab, University of California, San Diego 2013 – 2014
- Master's thesis focused on seasonal changes in food web interactions and climate on carbon dioxide flux from San Diego reservoirs (Supervisor: Dr. Jonathan Shurin)
- Field Research Assistant**, Yosemite National Park and Inyo National Forest, Shurin Lab, University of California, San Diego Summer 2013
- Sampled lakes to determine roles of fish of fish along a temperature gradient (Supervisor: PhD student Celia Symons)
- Undergraduate Researcher**, Shurin Lab, University of California, San Diego Winter – Spring 2013
- Ran a series of grazing trial experiments to determine how grazing rates differed across various species of freshwater copepods and algae
- Habitat Restoration Intern**, Cheadle Center for Biodiversity and Ecological Restoration, University of California, Santa Barbara Spring 2010
- Restored coastal sage scrub and salt marsh habitats
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ATHLETIC EXPERIENCE

- USA Swimming Olympic Trials Competitor 2008, 2012
- NCAA Division II National Champion; 200 Breaststroke 2012
- NCAA Division II Intercollegiate Swimmer, UC San Diego 2010 – 2012
- NCAA Division I Intercollegiate Swimmer, UC Santa Barbara 2009 – 2010
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CERTIFICATIONS

- Scientific Diver (CAUS Level 1)
- Rescue SCUBA Diver (PADI)
- Enriched Air SCUBA Diver (PADI)
- Wilderness & Remote First Aid (Canadian Red Cross)
- CPR/AED/First Aid (Canadian Red Cross)