

Griffin Srednick

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EDUCATION

<i>The University of Melbourne</i> PhD Biology Advisor: Stephen Swearer	2020 – Present
<i>California State University, Northridge</i> M.S. Biology Advisor: Mark Steele	2014 – 2018
<i>California State University, Monterey Bay</i> B.Sc. Marine Science , Minor: Outdoor Education/Recreation Advisor: Corey Garza	2009 – 2014

PEER-REVIEWED PUBLICATIONS

- Srednick GS**, Steele MA. 2019. Macroalgal height is more important than species identity in driving differences in the distribution and behavior of fishes. *Marine Ecology Progress Series* 613:139–149
- Srednick, G.**, J. L. Bergman, S. S. Doo, M. Hawthorn, J. Ferree, R. Rojas, R. Arias, P. J. Edmunds, and R. C. Carpenter. 2020. Shallow coral reef free ocean carbon enrichment: Novel in situ flumes to manipulate pCO₂ on shallow tropical coral reef communities. *Limnology and Oceanography: Methods* 18.
- Srednick G** and Steele MA. The influence of algal structure on the distribution of temperate reef fishes. In preparation: *Oikos*
- Srednick G.** Macroalgal associational refuge depends on coral colony size. In preparation: *Journal of Experimental Marine Biology and Ecology*

PROFESSIONAL ACTIVITIES

Research Positions:

- Research Technician** Aug 2019 – Dec 2020
National Science Foundation – Mo'orea Coral Reef Long Term Ecological Research Program – PI's: Peter J. Edmunds, Robert Carpenter – conducted and oversaw extensive boating, diving, and research operations. Contributed to and maintained long-term datasets, detailed benthic surveys, use and maintenance of maritime equipment and oceanographic instrumentation.
- Research Technician** Aug 2017 – Jun 2019
National Science Foundation Ocean Acidification – PI's: Peter J. Edmunds, Robert Carpenter – conducted extensive boating and diving operations inside and outside reef passes, towing 2-ton floating platforms at sea, construction/maintenance/repair to on-land and at-sea aquariums, electrical and solar systems, etc., carbonate chemistry methods, use and maintenance of oceanographic instrumentation, domestic and international shipping and travel logistics, large dataset management and analysis.
- Seasonal Biological Technician** May – Jul 2017
Kelp Forest Monitoring Program – Channel Islands National Park – PI: David Kushner – extensive diving operations on live-aboard vessel at Channel Islands, comprehensive kelp forest species identification and survey methods, data management and quality control, group management.

Field Biologist and Data Management Assistant

Jan – May 2017

Resource Conservation District of the Santa Monica Mountains – Supervisor: Rosi Dagit – fish and invertebrate stream surveys. February 2017 – present. 3-5hr per week

Research Assistant

Jan 2015 – May 2017

San Onofre Nuclear Generating Station Mitigation and Monitoring Project – PI: Mark A. Steele – subtidal fish surveys, fish collection via spear, fish demographic processing and otolith measurements.

Research Assistant

May 2015 – Sep 2016

Size-selective mortality of sex-changing fishes, National Science Foundation Project – PI: Mark A. Steele – extensive diving operations, constructing, surveying, and stocking artificial reefs with small temperate reef fish, constructing large underwater cages.

National Science Foundation Research for Undergraduates Mentor

May – Aug 2015

Mentored undergraduate students on project assessing influence on algal structure on fish communities

Research Assistant

July 2014

CSU Monterey Bay – PI's: Tom Oliver & Cheryl Logan – thermal tolerance in corals, tropical reef ecology – remote field and laboratory operations in American Samoa, collected coral samples, coordinated site operations, maintained remote field laboratory, performed experiments on thermal tolerance.

Research Assistant

June – Aug 2013

Ichthyology Lab – Moss Landing Marine Labs – PI's: Scott Hamilton & Devona Yates – performed subtidal SCUBA research, video analysis, basic statistical analysis, and crustacean husbandry

Undergraduate Research Intern

Jan 2013 – May 2014

Marine Landscape Ecology Lab – CSU Monterey Bay – PI: Corey Garza – Monterey operations for California Department of Fish and Wildlife Dungeness Crab Larval Recruitment Project, daily collection and processing of specimens from light trap, management, analysis, and presentation of data.

Teaching Positions:**Teaching Associate**

Jan 2015 – May 2017

CSU Northridge – Biology 101L: General Biology for non-majors

Graduate Assistant

Aug 2015 – May 2017

CSU Northridge – Biology 322: Evolutionary Biology; Biology 529: Marine Ecology, Biology 100

Guest Lecturer

May 2016

CSU Northridge – Biology 322: Evolutionary Biology

PRESENTATIONS

Conference Oral Presentations:

- Macroalgal associational refuge depends on coral colony size. **Srednick, G.**
 - 2020 Western Society of Naturalists
- Influence of the structure of algae on the distribution and behavior of fishes. **Srednick G, Steele MA**
 - 2016 Western Society of Naturalists – Monterey, CA
 - 2016 USC Wrigley Symposium – Los Angeles, CA
- Influence of the structure of an invasive alga on the distribution of fishes at Santa Catalina Island. **Srednick G, Steele MA**
 - 2016 Southern California Academy of Sciences Annual Meeting – Los Angeles, CA
 - 2016 20th Annual Student Research and Creative Works Symposium – Northridge, CA
 - 2015 Western Society of Naturalists – Sacramento, CA

- 2015 USC Wrigley Symposium – Los Angeles, CA
- A Latitudinal Examination of *Metacarcinus magister* (Dungeness crab) Megalopae Recruitment through abiotic factor analysis on the Central California Coast. **Srednick G.**, Garza C.
 - 2014 CSU Monterey Bay Capstone Festival – Seaside, CA

Invited Talks:

- Influence of the structure of algae on the distribution and behavior of fishes. **Srednick G.**
 - 2017 University of California, Berkeley Mo'orea Seminar Series – Mo'orea, French Polynesia
 - 2016 USC Wrigley Fellowship – Saturday at the Lab
 - 2015 USC Wrigley Fellowship – Saturday at the Lab

Poster Presentations:

- A Latitudinal Examination of *Metacarcinus magister* (Dungeness crab) Megalopae Recruitment through abiotic factor analysis on the Central California Coast. **Srednick G.**, Garza C.
 - 2013 Western Society of Naturalists – Oxnard, CA
 - 2013 SACNAS Annual Meeting – San Antonio, TX

GRANT SUPPORT

2016	Myers Oceanographic & Marine Biology Trust – (\$865)
2016	PADI Foundation Grant – (\$2300)
2016	International Women's Fishing Association – (\$1000)
2016	Lerner-Gray Memorial Fund – (\$1885)
2015	Graduate Student Thesis Support – CSU Northridge, Office of Graduate Studies (\$1000)
2015 – 2016	Wrigley Graduate Student Fellowship – University of Southern California

RELATED EXPERIENCE

2017	Research Technician – Assisted operations for NASA CORAL project in Guam and Hawaii. – PI: Robert Carpenter
2014	CSU Catalina Semester Program – Attended field courses and conducted field research out of USC's Wrigley Marine Science Center on Santa Catalina Island, CA.
2013 – 2014	Volunteer Diver – Monterey Bay Aquarium – ARCC Facility, Performed routine tank cleaning, experience around pelagic marine animals
2013	MSCI 395 – Research Diving , CSU Monterey Bay, Organizational Member - American Academy of Underwater Sciences
2012 – 2014	Teaching Assistant – CSU Monterey Bay SCUBA, Assisted with Open Water, Advanced/Rescue, Master Diver, and AAUS Research Diving courses

AWARDS AND HONORS

2020	Melbourne Research Scholarship
2012-2014	Dean's List – Department of Science, Technology, and Policy, CSU Monterey Bay
2014	2nd place in Poster competition – Monterey Bay National Marine Sanctuary Currents Symposium
2014	Student Travel Award – Council on Ocean Affairs, Science, and Technology (COAST)

PROFESSIONAL ROLES

2014 – 2017. **Student Representative** – Diving Control Board, Ocean Sciences Institute

2013 – 2014 **Officer of Public Relations** – CSU Monterey Bay Marine Science Club

2011 – 2014 **Vice President** – CSU Monterey Bay Outdoor Adventure Club

PROFESSIONAL AFFILIATIONS

- American Academy of Underwater Sciences
- Western Society of Naturalists
- Divers Alert Network (DAN)
- CSU Northridge Marine Biology Graduate Student Association

SKILLS

- ArcGIS, Arduino, R, PRIMER, Arduino
- Basic woodcraft, electronics, and aquarium maintenance
- Carbonate chemistry measurement methods
- Proficient with general oceanographic instrumentation
- AAUS Scientific Diver
- NAUI Divemaster (> 600 hrs)
- Small Boat Operator (> 500 hrs)
- Operation of 4WD vehicles in rugged terrain; towing vessels up to 30'
- Ocean Lifeguard
- Outdoor Education
- Outdoor Group Management