

## Griffin Srednick

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### EDUCATION

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

### PEER-REVIEWED PUBLICATIONS

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- 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**, Bergmann J, Doo S, Hawthorn M, Ferree J, Rojas R, Edmunds PJ, Carpenter RC. In situ flumes for testing the effects of elevated pCO<sub>2</sub> on the community metabolism of shallow tropical coral reefs. In review: *Limnology and Oceanography*
- Srednick G** and Steele MA. The influence of algal structure on the distribution of temperate reef fishes. In preparation: *Ecosphere*
- Srednick G**. Macroalgal associational refuge depends on coral colony size. In preparation: *Journal of Experimental Marine Biology and Ecology*

### PROFESSIONAL ACTIVITIES

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#### 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**

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**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 20<sup>th</sup> 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

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

#### RELATED EXPERIENCE

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

#### AWARDS AND HONORS

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

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## PROFESSIONAL ROLES

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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

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

## SKILLS

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- 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

## REFERENCES

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**Dr. Mark A. Steele**

*Professor*

Department of Biology  
California State University, Northridge  
18111 Nordhoff St.  
Northridge, CA 91330-8303  
Email: mark.steele@csun.edu  
Phone: 818.677.4270

**Dr. Peter J. Edmunds**

*Professor*

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**Dr. Robert C. Carpenter**

*Professor*

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**Dr. Steve Doo**

*Post-Doctoral Researcher*

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