

SEAN PATRICK FITZGERALD

1306 Bren Hall, University of California, Santa Barbara, CA, 93106-5131
sfitzgerald@bren.ucsb.edu/ (352)-246-5112

RESEARCH INTERESTS

Exploring novel methods of developing sustainable community-based fisheries management strategies that increase the healthiness of ecosystems and economic gain for fishermen

ACADEMICS

- 2018** **PhD in Environmental Science and Management** (*anticipated*)
Bren School of Environmental Science & Management
University of California, Santa Barbara
- 2012** **BS in Marine Vertebrate Biology**
School of Marine and Atmospheric Sciences
Stony Brook University, Stony Brook, NY
- 2012** **BA in Environmental Studies**
School of Marine and Atmospheric Sciences
Stony Brook University, Stony Brook, NY
- 2011** **Semester Abroad**
University of Auckland, New Zealand
- 2009-2010** **Study Abroad Exchange Program**
Southwestern University of Finance and Economics, Chengdu, China

PUBLICATIONS

Collier JL, **Fitzgerald SP**, Hice LA, Frisk MG, McElroy AE (2014) A New PCR-Based Method Shows That Blue Crabs (*Callinectes sapidus* (Rathbun)) Consume Winter Flounder (*Pseudopleuronectes americanus* (Walbaum)). PLoS ONE 9(1): e85101. doi:10.1371/journal.pone.0085101

EDUCATION AND TEACHING EXPERIENCE

- 2013-2014** **Assistant Director, Camp Highland Outdoor Science School (CHOSS), Beaumont, CA**
Maintained all aspects of day-to-day programs at CHOSS so they function at a high level. Specific duties included hiring, interviewing, training, supervising, evaluating, and disciplining the Instructional and Medical staff. Ensured Instructional and Medical staff meet their position requirements and provide ways for them to excel beyond their core requirements.
- 2013** **Ecology Educator, Ferry Beach Ecology School, Saco, ME**
Taught students grades two to eight to create systems thinkers that understand the interconnectedness of everyday life with ecology, food systems, and their communities. Programs ranged from day programs to week-long residential programs.
- 2012-2013** **Field and Cabin Instructor, Camp Highland Outdoor Science School, Beaumont, CA**
Taught students in grades two to six, emphasizing biological and ecological conservation, scientific learning, environmental awareness, and social development through week-long residential programs.
- 2012** **Education Intern, Mote Marine Laboratory, Sarasota, FL**
Worked with kids ages 5-18, teaching marine biology and conservation issues associated with local and global marine ecosystems.

Continued

MARINE RESEARCH EXPERIENCE

- 2011-2012** **Collier and McElroy Laboratory Researcher, Stony Brook University, Stony Brook, NY**
Continued research begun in the summer through the Undergraduate Research and Creative Activities (URECA) program (below). My project was the first to empirically determine that blue crabs consume winter flounder in coastal Long Island waters, based on DNA detected in gut contents of wild crabs.
- 2011-2012** **Deck Hand/Research Assistant, Research Vessel Seawolf, Port Jefferson, NY**
Took part in liveaboard multi-day excursions involving trawling and/or the deployment of acoustic moorings for research purposes associated with the New Jersey Department of Environmental Protection and/or Stony Brook University. Work also included occasional education day programs for students from middle school to college age.
- 2011** **Undergraduate Researcher, URECA Program, Stony Brook University, Stony Brook, NY**
Began a stipend-funded examination of the predator-prey relationship between blue crabs and winter flounder in coastal waters of Long Island, NY, employing both field biology and DNA-based microbiology.
- 2010** **Undergraduate Researcher, Collier Laboratory, Stony Brook University, Stony Brook, NY**
Discovered characteristics of a strain of ubiquitous marine organisms known as labyrinthulomycetes through various microbiological technologies.

FELLOWSHIPS AND ACADEMIC AWARDS

- 2014** **Chancellor's Fellowship**, Value ~\$200,000 USD
Bren School of Environmental Science & Management, University of California, Santa Barbara
- 2012** **Mote Marine Lab Scholarship**. \$4,250 USD.
Ward H. Melville Valedictorian Award Recipient. \$500 USD
School of Marine and Atmospheric Sciences (SoMAS) Dean's Choice Award. \$250 USD
Provost's Award for Academic Excellence. \$250 USD
Undergraduate Graduation Representative for SoMAS
Stony Brook University
- 2011** **Theodore Gordon Flyfishers, Inc. Scholarship Award**. \$3,500 USD.
Theodore Gordon Flyfishers, Inc.
- 2011** **Undergraduate Research & Creative Activities (URECA) Stipend**. \$3,500 USD.
URECA Researcher of the Month <http://www.stonybrook.edu/ureca/dec10.shtml>
Stony Brook University
- 2011** **Empire State Chapter Scholarship Recipient**. \$1,000 USD.
Soil and Water Conservation Society
- 2008-2012** **Provost's Out-of-State Scholarship**, Value ~ \$55,000
Stony Brook University

ADDITIONAL ENVIRONMENTAL EXPERIENCE

- 2011** **Restoration Intern, Normandeau Associates, Inc., Gainesville, FL**
2010 **Volunteer, PRETOMA Sea Turtle Conservation Program, Punta Banco, Costa Rica**
2009, 2010 **GIS Intern, ANAMAR Environmental Consulting, Gainesville, FL**

SELECTED SKILLS

- Computer:** MS Word, Excel, Powerpoint. Basic ArcGIS. Developing proficiency in RStudio.
Certifications: Project WET, WILD, and Learning Tree. First Aid/CPR. SCUBA Open Water (Anticipated 11/14).