Jason John
Ph.D. Candidate
Ecology and Evolutionary Biology Department, University of California Santa Cruz
Coastal Biology Building, 130 McAllister Way, Santa Cruz, CA. 95060
Phone: (408)799-0541 • E-mail: jsjohn@ucsc.edu

EDUCATION

- **Ph.D. Candidate, Comparative Physiology** **February 2014- Present**
  Williams' Lab, Ecology and Evolutionary Biology Department
  University of California, Santa Cruz
- **Bachelor of Sciences in Biology, emphasis in Biomedical Sciences** **June 2008**
  Santa Clara University, Santa Clara, CA

PUBLIC TALKS

- *Measuring Instantaneous Energetic Costs in Highly Maneuverable Marine Mammals*. Society for Marine Mammalogy, 2015 Biennial Conference, San Francisco, CA December 2015
- *Energetic costs of swimming and diving in a low metabolism marine mammal; implications for boat strike avoidance in West Indian manatees* Society for Marine Mammalogy, 2017 Biennial Conference, Halifax, Nova Scotia, Canada October 2017
- *Two stage recovery response in a shallow diving marine mammal; implications for boat avoidance cost in West Indian manatees* Society for Integrative and Comparative Biology, 2019 Annual Conference, Tampa, FL, January 2019

PUBLICATIONS

- **Jason S. John**, Katharine Boerner, Laura Denum, Joseph C. Gaspard, and Terrie Williams, Energetic costs of swimming and diving in a low metabolism marine mammal; implications for boat strike avoidance in West Indian manatees. *Proceedings of the Society for Marine Mammalogy*, 2017 Biennial Conference, Halifax, Nova Scotia, October 2017
- Terrie M. Williams, Traci L. Kendall, Beau P. Richter, Courtney R. Ribeiro-French, **Jason S. John**, Kim L. Odell, Barbara A. Losch, David A. Feuerbach, and M. Andrew Stamper, Swimming and Diving Energetics in Dolphins: A stroke-by-stroke analysis for predicting the cost of flight responses in wild odontocetes. *J. Exp. Biol.* **220,** 1135–1145 (2017).
- **Jason S. John**, Susanna Blackwell, Mads Peter Heide-Jørgensen, Brandon Southall, Ari Friedlaender, Nicole Thometz, and Terrie Williams, Measuring Instantaneous Energetic Costs in Highly Maneuverable Marine Mammals. *Proceedings of the Society for Marine Mammalogy*, 2015 Biennial Conference, San Francisco, CA December 2015
- Terrie M. Williams, Nicole Thometz, Susanna Blackwell, **Jason S. John**, and Mads Peter Heide-Jørgensen, High Risk Behaviors in Marine Mammals: Linking biomechanics to cardiac variability in fast and slow swimmers. *Proceedings of the Office of Naval Marine Mammal and Biology Research Program* 2014, Washington D.C. Pg. 91
- Mike E. Cox, **Jason S. John**, Daniel Freise, Isolation and presumptive identification of Fusobacterium necrophorum from throat swabs. *Program and Abstract Book, Anaerobe Society of the Americas*, 2012 Biennial Meeting, San Francisco, CA, Pg. 171

FIELD & ANIMAL EXPERIENCE

- Georgia Aquarium (Atlanta, GA) Nov 2018, Jan 2019
  Beluga Whale
- Long Marine Laboratory (Santa Cruz, CA) 2013- present
  Atlantic bottlenose dolphin, Hawaiian monk seal, southern sea otter
- Año Nuevo State Park (Pescadero, CA) Apr-Jun 2018,
  Northern elephant Seal Jan-Apr 2019
- Mote Marine Laboratory and Aquarium (Sarasota, FL) Apr 2016, Aug 2017,
  West Indian manatee Feb 2018, Aug 2018

- Epcot, The Seas Exhibit (Orlando, FL) April 2016
  Atlantic bottlenose dolphin
- McMurdo Station (Ross Island, Antarctica) Aug-Oct 2015, Aug-Dec 2016
  Weddell seal

TEACHING EXPERIENCE

- Guest Lecturer,
  - Department of Ecology and Evolutionary Biology, University of California, Santa Cruz
    Animal Physiology Winter 2017, 2018
    Biology of Marine Mammals Spring 2017
  - Vertebrate Ecology, Moss Landing Marine Laboratories
    Marine Mammals, Birds, and Turtles Fall 2017, 2018
- Teaching Assistant, Department of Ecology and Evolutionary Biology, University of California, Santa Cruz
  Animal Physiology Winter 2015, 2016, 2017, 2018, 2019
  Exercise Physiology Spring 2016, 2018
  COSMOS Marine Mammals and Global Climate Change Summer 2016, 2017, 2018
  COSMOS Marine Mammals and Oceanography Summer 2016, 2017, 2018
  Biology of Marine Mammals Spring 2017
- Seminar Instructor, Anaerobe Systems Inc.
  Quarterly lecture and wet lab seminar on anaerobic microbiology
- Teaching Assistant, Biology Department, Santa Clara University
  Organic Chemistry 2 Winter 2003
  Organic Chemistry 3 Spring 2003

AWARDS

- Outstanding TA Performance 2015-2016, Department of Ecology and Evolutionary Biology, UCSC
- Outstanding TA Performance 2016-2017, Department of Ecology and Evolutionary Biology, UCSC

PUBLIC SERVICE ACTIVITIES

- Advised formation of Marine Biology Course at Scotts Valley High School (Scotts Valley, CA) including recruiting and organizing guest speakers

PROFESSIONAL EXPERIENCE

- Graduate Student Researcher, Comparative Physiology February 2014- Present
  Williams' Lab, Ecology and Evolutionary Biology Department
  University of California, Santa Cruz
- Manager, R&D and Quality Control Aug. 2011- January 2014
  Anaerobe Systems, Morgan Hill, CA
- Research Associate June 2012- Present
  Gut colonization and avoidance response in Nematodes
  Principle Investigators: Dr. Tracy Ruscetti, Dr. Christelle Sabatier
  Santa Clara University, Santa Clara, CA
- Bioprocess Technician Nov. 2009- Aug. 2011
  Genentech, South San Francisco, CA
- Physical Therapy Aide May 2007- June 2009
  MORE Physical Therapy, Inc., Santa Clara, CA
- Teaching Assistant Jan. 2007- April 2007
  Santa Clara University Organic Chemistry Lab, Santa Clara, CA