Duke University Marine Laboratory
Ph.D. Student News – Fall 2014

Click any of the links below to jump to one of the five sections.
Milestones
Grants and Awards
Publications
Presentations
Notes from the Field
Teaching, Collaboration, and Community Engagement

Milestones
• Congratulations to the following students for successfully defending their PhD dissertations!
  • **Sara McDonald** - "A Social and Ecological Evaluation of Marine Mammal Take Reduction Teams."
  • **Daniel Dunn** - “On the dynamic management of marine resources”

• Congratulations to **Joy Stanistreet** for passing her preliminary exams!

Grants and Awards
• **Vivienne Foroughirad** received $1500 grant from Duke Data Expeditions to lead a workshop for undergraduates on programming for social network analysis.

• **Meagan Dunphy-Daly** was awarded the Knauss Fellowship in Marine Policy and will carry out her fellowship year as the Congressional Affairs Fellow at NOAA's Office of Legislative Affairs in downtown D.C. from February 2015-February 2016.

• **Brad Dubik** received a Dissertation Development Fellowship from the Social Science Research Council to support research on shrimp aquaculture development and the impacts of shrimp disease outbreaks on global seafood markets.

• **Bradford Dubik, Elizabeth Clark** and **Sarah Bess Jones** have been awarded fellowships from the National Socio-Environmental Synthesis Center (SESYNC) to study the impacts of climate change on commercial fish stocks and fishing communities in the Northeast and Mid-Atlantic. Their interdisciplinary SESYNC-funded research team includes Marine Lab alum **Joshua Stoll** (MEM ’09), now a PhD student at the University of Maine, as well as graduate students from Rutgers, Princeton and Oxford.

Publications
• **Leslie Acton:**
• **Liz Shrack:**
  Freitas RF, **Schrack EC**, Seig RD, Silliman BR, Costa CSB. *2014*. Grazing scar characteristics impact degree of fungal facilitation in *Spartina alterniflora* leaves in a South American salt marsh. Brazilian Archives of Biology and Technology.

• **Vivienne Foroughirad**

• **Daniel Dunn**

• **Heather Heenahan:**

**Presentations**
• **Daniel Dunn** gave a presentation on “Does a balanced harvest require dynamic management in developed fisheries?” at the workshop on Balanced Harvest in the real world – Scientific, policy and operational issues in an ecosystem approach to fisheries (IUCN Fisheries Expert Group; Sept. 2014)

**Notes from the Field**
• **Joy Stanistreet** deployed five acoustic recording units offshore of Cape Hatteras, NC, beginning the second year of seasonal monitoring for highly endangered North Atlantic right whales migrating through this region.
• **Brad Dubik** collaborated with local government and academic personnel to survey shrimp farms throughout Aceh, Indonesia to investigate the implementation of pond management strategies and connections to global markets among small-scale producers.
• **Dave Haas** collaborated with NOAA’s Northwest Fisheries Science Center and Cascadia Research Collective in September on endangered Southern Resident Killer Whale DTAG deployments, collecting 38 hours of Southern Resident DTAG data and an additional eight hours from a single transient killer whale deployment.

**Teaching, Collaboration, and Community Engagement**
• **Liz Schrack and Chris Ward** participated in the November 2014 SciREN event in Raleigh,
NC where they presented an interactive web-based tool for teaching high school and undergraduate students major concepts in ecology.

• **Heather Heenehan** wrote a blog for NC Sea Grant Blog called "Encouraging Women in STEM" about the Scientific Research and Education Network events.

• **Heather Heenehan and Alyse Larkin** helped spearhead the inaugural Scientific Research and Education Network Triangle Event on November 13th. The event was organized by students at Duke, UNC, and NC State at the NC Museum of Natural Sciences in Raleigh. 70 researchers and more than 200 educators participated. Liz Schrack, Charmaine Yung, Sarah Loftus, Chris Ward and Tara Essock-Burns participated as researchers at the event and spent the evening interacting with educators and sharing classroom-ready materials. For more information please see [thesciren.org](http://thesciren.org)

• **Heather Heenehan** participated in the North Carolina Science Teachers Association conference in Winston Salem, NC in November and spoke about inviting scientists to classrooms.