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

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

Milestones
• Congratulations to Reny Tyson for successfully defending her dissertation entitled "Fine-scale foraging ecology of humpback whales (Megaptera novaeangliae) in the near-shore waters of the Western Antarctic Peninsula"! She has started a post-doc at the Institute of Marine in Antarctic Studies at the University of Tasmania (Hobart) to “estimate the physiology of Antarctic krill predators”. Her postdoc is supported by an Endeavour Fellowship (Australian Education International) and a Scientific Committee of Antarctic Research Fellowship.

Publications

Presentations
• Daniel Dunn attended the Global Ocean Refuge System Criteria Development Workshop – August, 2014. Glasgow, Scotland.
• Daniel Dunn gave a talk titled “Building the theoretical basis for dynamic ocean management” at the 3rd International Marine Conservation Congress in Glasgow, Scotland, August, 2014.
• Daniel Dunn gave a talk titled “Dynamic Ocean Management” at the Nereus Program Annual Science Meeting.
• Leslie Acton presented her paper at the 5th Ostrom Workshop in a talk entitled ”The Representation of “Alternative” Knowledge in Climate Adaptation Policy for Pacific Island States.” in Bloomington, Indiana, on June 2014.
• Charmaine Yung presented a poster titled "Seasonal partitioning of vibrio populations in coastal seawater” at the Gordon Research Conference on Marine Microbes in June 2014.
• Heather Heenehan presented “Promoting marine soundscape awareness in middle school students” at the first Ecology and Acoustics meeting in Paris, France in June 2014.
• Vivienne Foroughirad presented at the Animal Behavior Society conference at Princeton University on "Ecological and anthropogenic contributions to modularity in animal social networks"
• Tara Essock-Burns presented her work at the International Congress of Marine Corrosion and Fouling in Singapore this summer. She gave two talks, one in the Bioadhesion session and one in a Barnacle Biology satellite symposium.
Notes from the Field

• **Julia Burrows** participated in the WHOI-Duke Fellowship during the summer and worked with her committee member, Gareth Lawson, on acoustic data analysis for three weeks in July.

• **Leslie Acton** spent three weeks this summer in Bermuda, interviewing governmental officials, NGO leaders, and industry workers about negotiations surrounding the creation of a large MPA in Bermuda's EEZ.

• **Liz Schrack** spent the summer in the Florida Keys studying the interactive and independent effects of coral predators, water temperature, and overfishing on the health of Caribbean corals. She conducted 2 experiments and large-scale reef surveys across the Florida Keys reef tract.

Teaching, Collaboration, and Community Engagement

• **Joy Stanistreet** led an afternoon field trip for 10th graders participating in the Duke Summer Science Sleuths camp. Field trip activities focused on understanding the importance of sound in the marine environment, as well as gaining hands-on experience recording and analyzing underwater sounds. NCSU graduate student Shannon Brown assisted with this field trip and shared her work on local marsh soundscapes.

• **Maria de Oca** co-founded and co-directed with Sarah Noll - West Carteret High School teacher - the Ocean Filmmaking Camp @ Duke Marine Lab. She ran the camp for the first time with Sarah in June and July. This program gave an opportunity to six local high school students from under-represented minorities that they would not have had otherwise – an opportunity to tell stories in film about their local community and their marine environment. More information at: [http://sites.nicholas.duke.edu/ofc-duml/](http://sites.nicholas.duke.edu/ofc-duml/)
A lesson plan entitled "A Sea of Sound," written by **Heather Heenehan** and CEM Alum Demi Fox, Julia Goss, and Liza Hoos has been published in the new ALA Editions e-book, “**Tablet Computers in School Libraries and Classrooms**.”

**Heather Heenehan**'s third Huffington Post Girls in STEM blog was posted entitled "Invite-a-Scientist" about her experience with the NC Science Festival. [http://www.huffingtonpost.com/heather-heenehan/invite-a-scientist_b_5659728.html](http://www.huffingtonpost.com/heather-heenehan/invite-a-scientist_b_5659728.html)

**Heather Heenehan** was chosen for the 2014-2015 Duke Preparing Future Faculty Program and will be mentored by Dr. Erin Lindquist at Meredith College.