



BIOSPHERE

The Weekly Bulletin of Biology

Biology Colloquium: Friday, 2 October 2015, 2:00 pm in CR 5125

“The Therapeutic Potential of Tumor-Targeted *Salmonella*”

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Marine Meet, Greet

The Marine Biology Graduate Student Association welcomes undergrads interested in sea life to a fun round of lightening talks and slides at 6 pm on Monday, 5 October in MG 4111.

New Publication

Ecology and Evolution has published, “Effects of changing climate on aquatic habitat and connectivity for remnant populations of a wide-ranging frog species in an arid landscape,” by Dr. **Jeanne Robertson** and colleagues.

Wilson Promotes Bryophytes

Dr. **Paul Wilson** recently gave a banquet talk titled, “Bryophytes 101” at the quarterly meeting of the California Native Plant Society (CNPS).

Over the summer, he led a botanical hike in the San Gabriel Mountains. He has also taken the lead in forming the Bryophyte Chapter of the CNPS. Check out their [WEBSITE](#), which gives details on up-coming events.

Grad Students Funded

Jesse Breazeale, **Carson Keller**, and **Cody Russell** were each awarded Newhall Land & Farming Company Southern California Ecology Grants to support their MS thesis research.

NASA Grant Awarded for Coral Reef Research

NASA has funded a research project called COral Reef Airborne Laboratory (CORAL). The \$15,000,000, 3-year project is a collaboration between Dr. **Robert Carpenter**, the Bermuda Institute of Ocean Sciences, the Jet Propulsion Laboratory, and the University of Hawaii. High-resolution optical images of coral reefs will be acquired using a special aircraft-mounted sensor. Simultaneously, *in situ* sampling of coral reef composition and measurements of reef function (primary production and calcification) will be completed for reefs on the northern and southern Great Barrier Reef, Palau, Marianas Islands, Hawai'i, and the

Florida Keys. The CSUN project will support a postdoctoral researcher and a graduate student to assist with the field research and data analyses. The plan is to expand the project to an additional seven sites that would allow worldwide quantification of reef condition and function from remote-sensing images across gradients of environmental forcing and disturbance.

Speaking Extramurally

Dr. **Polly Schiffman** gave a presentation at USC's Sydney Harman Academy for Polymathic Study. She talked about reconstructing the environmental history (pre-European settlement) of Los Angeles by integrating scientific information and natural history with historical records.

At the Ecology Meetings

Over the summer, members of Dr. **Casey terHorst's** lab went to the meetings of the Ecological Society of America, and presented:

- **Shannon Bayliss** gave a talk: "Genetic diversity in symbiont response to increased nutrients"
- **Zoë Scott** presented a poster: "Examining the community-level influence of local adaptation in an invasive habitat-forming bryozoan"
- **Nickie Cammisa** gave a poster: "Genetic variation in responses to mutualists and drought in an invasive plant"

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California State University, Northridge

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