



Biosphere

The Weekly Bulletin of Biology

Biology Colloquium (Friday 2 PM in CR 5125)

Dr. Aida Metzenberg, CSUN

“Altered Gene Expression in Hemoglobinopathies”

- **Women in Science**—The Women in Science Club meets this Friday from 12 noon to 1 pm in CR 5336 to discuss *The Path to Graduate School*, which will cover application preparation, gaining undergraduate research experience, contacting would-be advisors, GREs, and more. Everyone is welcome.
- **New Publications**—Dr. Gilberto Flores and colleagues have a new paper out in *Geomicrobiology Journal* titled, “Deep crustal communities of the Juan de Fuca Ridge are governed by mineralogy.” Heghush Aleksanyan, Jing Liang, Dr. Stan Metzenberg, and Dr. Steven Oppenheimer have a new paper accepted in *Zygote* titled, “Terminal alpha-D-mannosides are critical during sea urchin gastrulation.” Heghush and Jing received their Master’s degrees from CSUN with Dr. Oppenheimer serving as their advisor.
- **New Worm ID App**—Dr. Ray Hong, along with collaborators from CSUN’s Faculty Technology Center, created a new tablet app for identifying nematode worm species that parasitize beetles in Los Angeles. The app uses a dichotomous key of microscopy images. The app’s beta version was tested in the Developmental Biology Lab (BIOL 542L) and will be used again this summer for the MARC-sponsored Molecular Biology Summer Bootcamp. The app and its CSUN press release can be found on the following links:
<https://itunes.apple.com/WebObjects/MZStore.woa/wa/viewSoftware?id=1085838281> and <http://www.csun.edu/it/news/csun-launches-nematode-classification-app>.

Apr. 8	Alejandra Young UC Los Angeles (CA)	TBA
Apr. 15	Cheryl Courtney-Hogue CSUN	Interactions Between Parasites and Pollutants in Aquatic Environments
Apr. 22	Raquel Martinez	Careers in Clinical Microbiology: Saving Lives and Solving Problems
Apr. 29	Jesse Dillon	Evidence for Coupled Sulfur Cycling in Chemosynthetic Microbial Mats Associated with Intertidal Hydrothermal Sulfur Vents in Palos Verde Peninsula, Southern CA

2015

Jesse Tootell and Mark Steele had a paper published in the journal *Oecologia* titled Distribution, behavior, and condition of herbivorous fishes on coral reefs track algal resources. It was selected by the editors as “Highlighted Student Research. The research was part of Tootell’s thesis work at CSUN.

Jennifer Granneman and Mark Steele had a paper published in the journal *ICES Journal of Marine Science* titled Effects of reef attributes on fish assemblage similarity between artificial and natural reefs. The research was part of Granneman’s thesis work at CSUN.

Mark Steele published a chapter in the book *Ecology of Fishes on Coral Reefs* titled Equilibrial versus non-equilibrial dynamics in coral reef fishes.

2014

Brenton Spies, Berenice Tarango, and Mark Steele had a paper published in the journal *Bulletin of the Southern California Academy of Sciences* titled Larval duration, settlement, and larval growth rates of the endangered tidewater goby (*Eucyclogobius newberryi*) and the arrow goby (*Clevelandia ios*). The research was part of Spies’ thesis work at CSUN and Tarango was an undergraduate assistant at the time.

- L. M. Jacobson**, P. J. Edmunds, E. B. Muller, R. M. Nisbet. 2016. The causes and implications of metabolic depression: the case of a resource-limited scleractinian coral. *Journal of Experimental Biology*
- Bramanti, L., Edmunds P.J. 2016. Density-associated recruitment mediates coral population dynamics on a coral reef. *Coral Reefs*
- Comeau, S., Carpenter, R.C., Lantz, C.A., Edmunds, P.J. 2016. Parameterization of the response of calcification to temperature and pCO₂ in the coral *Acropora pulchra* and the alga *Lithophyllum kotschyianum*. *Coral Reefs*
- Comeau, S., Carpenter, R.C., Edmunds, P.J. 2016. Effects of pCO₂ on photosynthesis and respiration of tropical scleractinian corals and calcified algae. *ICES Journal of Marine Science*
- Edmunds, P. J., J. J. Leichter, E. C. Johnston, E. J. Tong, and R. J. Toonen. 2015 Ecological and genetic variation in reef-building corals on four Society Islands. *Limnology and Oceanography*
- Edmunds, P.J., G. Tsounis, and H. Lasker. 2015. Differential distribution of octocorals and scleractinians around St. John and St. Thomas, US Virgin Islands. *Hydrobiologia*
- Evensen, N.R.**, Edmunds, P.J., Sakai, K. 2015. Effects of pCO₂ on the capacity for spatial competition by the corals *Montipora aequituberculata* and massive *Porites* spp. *Marine Ecology Progress Series*