



Biosphere

The Weekly Bulletin of Biology

Biology Colloquium (Friday 2 PM in CR 5125)

James Maley
Occidental College

“The Science Behind Splitting: Genetic Analyses of two Hybrid Zones Results in Five New Bird Species”

CSUN graduate to protect our coast

Lorna McFarlane, a former student in **Dr. Larry Allen’s** group, will start a California Sea Grant Fellowship with the Ocean Unit of the State Water Resources Control Board in Sacramento this January, to work on amendments the the California Ocean Plan and develop State policies for the protection of ocean coastal and inland surface waters.

Graduate Seminar in Genetics

Dr. Ray Hong invites students to register in BIOL655D-Spring 2017, where students will cover the evolution of gene regulation and current technologies in genetics such as genome sequencing, transcriptional profiling, and bar coding. Students will also discuss the emergence of the revolutionary genome editing technique, CRISPR/Cas9, and its opportunities and concerns.

Free class on Urban beekeeping – Dec 10, 9am.

Professional beekeeper **Keith Roberts** from *The Valley Hive* will explain the important role of honey bees on a local, state, and global level, and what we can do to protect them. He will also discuss the details of the new ordinance regulating residential beekeeping, provide an insider's view of the benefits and risks of keeping bees and some general do-it-yourself information. Email botanicgarden@csun.edu for more details and to request a space in this free class.

Special seminar on Optical Tomography

Wed Nov 30, 12pm (EH2202)

Dr. Kevin Francis, a PerkinElmer Fellow and Visiting Professor at UCLA, will present “*Optical Tomography and Its Role in Multimodality Imaging and Translational Disease Research*”, where he will discuss how genes encoding optical reporters (luciferases and fluorescent proteins) are engineered into cells, pathogens, or directly into animals to enable the generation of light that can be visualized through the tissues of a live animal.