

# LEVI S. LEWIS

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## PROFESSIONAL PREPARATION

Scripps Inst. Oceanography, UCSD	Biological Oceanography	Ph.D., current
San Diego State University	Biology (Marine Ecology)	M.S., 2009
University of California, Davis	Wildlife, Fish, and Cons. Biology	B.S., 2002

## APPOINTMENTS

2009-Present	Doctoral Student, San Diego Fellow, Scripps Inst. Oceanography
2009-2009	Research Associate, ICP-MS Center, UC Davis
2008-2009	Grad. Researcher, Biology (Marine Ecology), San Diego State University
2005-2008	Laboratory Instructor, Biology, San Diego State University
2003-2005	Post-graduate Researcher, Bodega Marine Laboratory, UC Davis
2002-2003	Student Biologist, U.S. Fish and Wildlife Service, Sacramento
2002-2002	Research Fellow, (BUSP), Bodega Marine Laboratory, UC Davis
2001-2002	Student Biologist, U.S. Fish and Wildlife Service, Sacramento, CA
2000-2001	Research Assistant, Wildlife Fish and Cons. Biology, UC Davis

## HONORS AND AWARDS

2011. Research Grant - Scripps Institution of Oceanography, IGERT Interdisciplinary Research (\$15,000)  
2011. Research Grant – Scripps Institution of Oceanography, SIO/CMBC Donor gift (\$1000)  
2011. Research Grant – Scripps Institution of Oceanography, Edna Bailey Sussman Foundation (\$5,000)  
2011. Research Grant – PADI Minigrant Program (\$3,000)  
2011. Doctoral Fellowship – Scripps Inst. Oceanography Ford Foundation Fellowship (NRC) (\$21,000 x 3 yrs)  
2011. Doctoral Fellowship – Scripps Inst. Oceanography NSF-IGERT Fellowship (\$42,000 x 1yr)  
2009. Doctoral Scholarship – UCSD Center for Marine Biodiversity & Conservation (\$17,000)  
2009. Doctoral Fellowship – Scripps Inst. Oceanography San Diego Fellowship (\$25,000 x 2 yrs)  
2009. UCSD Alliance for Graduate Education and the Professoriate – AGEP (\$18,000 x 2yrs) [DECLINED]  
2009. Doctoral Fellowship – Florida State University McKnight (\$16,000 x 2 years) [DECLINED]  
2008. Best Poster - Western Society of Naturalists (\$100)  
2008. Deans Award - SDSU Research Symposium (\$250)  
2008. Research Grant – San Diego State University, Port of SD (\$35,000)  
2007. Research Grant - San Diego State University, Port of San Diego (\$10,000)  
2006. Scholarship - San Diego State University, Mabel Myers Memorial (\$1,000)  
2006. Research Grant - San Diego State University, PADI Foundation (\$5,000)  
2006. Research Grant - San Diego State University, Southern CA Academy of Sciences (\$1,000)  
2003. Travel Grants – UC Davis, Bodega Marine Science Association (\$600)  
2002. Research Fellowship – UC Davis, Biology Undergraduate Scholars Program (\$3,000)  
1998. Scholarship - Rensselaer Medal & scholarship (\$40,000) [DECLINED]  
1998. Scholarship - Robert C. Byrd Scholarship (\$8,000)  
1998. Scholarship - Brian Graves Memorial (\$1,500)  
1998. Scholarship - San Diego Gas and Electric (\$1,500)  
1998. Valedictorian - Mount Miguel High School

## PUBLICATIONS

Lewis, LS and Anderson, TW. *In prep.* Microcarnivorous fishes benefit eelgrass (*Zostera marina*) by regulating the abundance of fouling and grazing invertebrates. *Ecology*.

Hobbs, JA, Lewis, LS, Ikemiyagi, N, Sommer, T and Baxter, R. 2010. The use of otolith strontium isotopes to identify critical nursery habitat for a threatened estuarine fish. *Environmental Biology of Fishes*. 89:557–569.

- Farlin, JA, Lewis, LS, Anderson, TW, and Lai, C. 2010. Evidence for functional diversity of amphipods in an eelgrass ecosystem. *Marine Ecology Progress Series*. **420: 277–281**.
- McGourty, CR, Hobbs, JA, Bennett, WA, Green, PG, Hwang, H, Ikemiyagi, N, Lewis, LS and Cope, JM. 2009. Likely Population-Level Effects of Contaminants on a Resident Estuarine Fish Species: Comparing *Gillichthys mirabilis* Population Static Measurements and Vital Rates in San Francisco and Tomales Bays. *Estuaries and Coasts*. 32(6): 1111-1120.

## SYMPOSIA AND PRESENTATIONS

- 2011 Western Society of Naturalists, Vancouver, WA. **Lecture. Functional diversity among Hawaii’s herbivorous urchins.**
- 2011 Stephen Birch Aquarium –Science Showcase. **Lecture. Uncovering hidden complexity in coral reef ecosystems.**
- 2011 Second International Marine Conservation Congress, Vancouver, CAN. **IGERT Interdisciplinary Research**
- 2011 Western Society of Naturalists, Vancouver, WA. **Student Committee**
- 2010 Scripps Institution of Oceanography Science Showcase. **Poster. Fishes have positive indirect effects on eelgrass by mediating negative effects of fouling and grazing invertebrates.**
- 2010 Western Society of Naturalists, San Diego, CA. **Student Committee**
- 2010 American Association for the Advancement of Science, San Diego, CA.
- 2009 Western Society of Naturalists, Monterey, CA.
- 2009 Fourth International Otolith Symposium. Monterey, CA.
- 2008 Western Society of Naturalists, Vancouver, BC. **Poster. Fishes have positive indirect effects on eelgrass by mediating negative effects of fouling and grazing invertebrates.** “Best Poster”
- 2008 San Diego State University Student Research Symposium, San Diego, CA. **Lecture. Predation in eelgrass beds: do trophic manipulations result in cascading effects?** “Deans Award”
- 2007 Western Society of Naturalists, Ventura, CA. **Lecture. Predation in eelgrass beds: do trophic manipulations result in cascading effects?**
- 2007 Southern California Academy of Sciences (SCAS), California State University, Fullerton. **Poster. Predation in eelgrass beds: do trophic manipulations result in cascading effects?**
- 2005 Western Society of Naturalists, Monterey, CA. **Lecture. *Gillichthys mirabilis*: using otoliths as indicators of fish health.**
- 2004 CALFED Science Conference, Sacramento, CA. Poster. Diagnosing the health of *Gillichthys mirabilis*.
- 2003 Western Division of the American Fisheries Society (AFS), San Diego, CA. **Poster. The feeding habits of three juvenile scorpaeniform fishes in the eelgrass beds of Bodega Harbor.**
- 2003 Western Society of Naturalists, Long Beach, CA. **Poster. The feeding habits of three juvenile scorpaeniform fishes in the eelgrass beds of Bodega Harbor.**

## SYNERGISTIC ACTIVITIES

Pedagogical: Collaborated and published original research with undergraduate student (Farlin et al. 2010). Mentored over 10 undergraduate volunteers and research assistants in the Fish Ecology Lab at SDSU (2006-2008). Served as course instructor for 13 laboratory sections in biology and zoology at SDSU (2005-2008). Led instructional tours and guest-lectured for classes visiting the UC Davis Bodega Marine Laboratory (2003-2005).

Research: Led a 4-mo. collaborative research project in Maui Hawaii: Scuba based research exploring the effects of pollution and fishing on coral reef development (2011). Participated in oceanographic research cruises to (1) the Northwest Hawaiian Islands, 2011 and (2) the Northern Line Islands, 2010. Assisted with scuba-based research in Catalina Island (2006) and San Diego, CA (2006-2010), and Maui, HI (2010-2011). Developed VBA macros in Excel for rapid analysis of otolith chemistry data (2009). Designed experiments and constructed mesocosms for manipulating fishes and large invertebrates in natural seagrass habitats (2007). Designed a field sampling plan, executed field experiments and otolith analysis protocols for the ichthyology group of the Pacific Estuarine Indicator Research (PEIR) consortium, Bodega Marine Lab (2003-2005).

Service: Served as student representative on the SDSU marine ecologist Faculty Selection Committee (2008). Served as a student volunteer for science conferences including Western Society of Naturalists (2005, 2006) and American Fisheries Society (2007). Served as a judge for the San

Diego County Science & Engineering Fair (2010-11). Currently serving on the student committee for the Western Society of Naturalists (2010-11) and the SIO diversity working group (2009-11).

Leadership: Served as treasurer (2001) and president (2002) of the UC Davis chapter of an international fraternity ( $\Delta$ KE). Served as the Fundraising Chair of the Bodega Marine Science Association at the UCD Bodega Marine Laboratory (2004-2005). Organized volunteers and field assistants, conducted purchasing, led field and lab work, and drafted reports for seagrass research conducted by the SDSU Fish Lab (2007-2008). Organized and led the SIO Community Forum on Diversity (2010). As member of the WSN student committee, organized student workshop for >100 students at the 2011 WSN meeting.

Diversity: Served as the UCSD representative at the 2010 UC Edge conference (at UCLA) for providing encouragement and guidance to minority students interested in graduate education (2010). Participated in UCSD visit to Compton High School to establish a summer marine science program at SIO for students from underrepresented groups (2010). Organized and spoke as the graduate representative at the SIO Community Forum on Diversity (2010). Currently serving as a member of the SIO diversity working group hosting a myriad of diversity awareness events both on campus and in the greater San Diego community.