

2010

Annual Meeting Southern California Academy of Science May 7-8, 2010 California State University Los Angeles CA

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ANNUAL MEETING

SOUTHERN CALIFORNIA ACADEMY OF SCIENCES

May 7–8, 2010



*California State University
Los Angeles, CA*

Future SCAS Meetings

2011 - California Polytechnic University, Pomona, May 6-7

2012 - Occidental College, May 4-5

Acknowledgements

The Southern California Academy of Sciences wishes to acknowledge the following organizations and people for their support of the 2009 Annual Meeting.



Special thanks to the SCAS 2010 Annual Meeting Local Committee at California State University, Los Angeles: Phil LaPolt

Student Grants

The Southern California Academy of Sciences supports a program of Grants to graduate students. One stipulation for the winners is that they present their research at the following year's Annual Meeting. This year's award winners were

Andres Carrillo, California State University, Fullerton

Effects of extended incubation on skeletal development, body shape and feeding rates in the California grunion, *Leuresthes tenuis*.

Elysse Gatdula, California Polytechnic University, Pomona

Molecular biogeography of some California species of Aglajidae (Mollusca: Opisthobranchia)

Aaron Sappenfield, University of California, Riverside

Depositional environments of the Wood Canyon Formation (southern California) and their influence on the distribution and preservation of Ediacaran macrofauna

STUDENT AWARDS FOR BEST PAPER AND POSTER

Undergraduate or graduate students working towards a degree who elect to participate are eligible for best paper or poster awards in several categories, the categories are;

- E – Ecology and Evolution
- F – Fishery biology
- M – Molecular Biology and physiology
- P – Physical Science

The American Institute of Fishery Research Biologists will present the awards in Fishery Biology. The Southern California Academy of Sciences will present the other awards.

2010 SCAS Annual Meeting -Oral Presentation Awardees

PHYSICAL SCIENCES

EVALUATING CONTROLS ON HYDROLOGIC RECOVERY IN BURNED WATERSHEDS IN THE SAN BERNARDINO MOUNTAINS

Alicia M. Kinoshita and Terri S. Hogue. Water Resources and Hydrology, UCLA, Department of Civil and Environmental Engineering, Los Angeles, CA90095.

MOLECULAR BIOLOGY AND PHYSIOLOGY

EFFECTS OF DELAYED HATCHING ON MUSCLE AND SKELETAL DEVELOPMENT, SWIMMING ACTIVITY, AND FEEDING RATE IN LARVAL CALIFORNIA GRUNION, *LEURESTHES TENUIS*

T. Treybig, A. Carrillo, and K. Dickson. California State University Fullerton, Department of Biological Science, Fullerton, CA, 92834.

ECOLOGY AND EVOLUTION

ABUNDANCE, HABITAT USE AND MOVEMENT PATTERNS OF THE SHOVELNOSE GUITARFISH (*RHINOBATOS PRODUCTUS*) IN A SOUTHERN CALIFORNIA ESTUARY

T.J. Farrugia, M. Espinoza and C.G. Lowe. California State University Long Beach, Department of Biological Sciences, Long Beach, CA 90840.

Honorable Mention, Ecology and Evolution

ECOPHYSIOLOGICAL STUDY OF *RUSCUS ACULEATUS* AND *R. MICROGLOSSUM*: MORPHOLOGY, GAS EXCHANGE, AND HYDRAULICS

A. Pivovarovff, R. Sharifi, L. Sack, and P. Rundel. UCLA, Department of Ecology and Evolutionary Biology, Los Angeles, CA, 90095-1606.

STUDENT POSTER AWARD WINNERS

ECOLOGY AND EVOLUTIONARY BIOLOGY

THE EFFECTS OF ILLUMINATION, SCENT, AND MICROHABITAT AS PREDATOR CUES ON THE FORAGING BEHAVIOR OF MOJAVE DESERT RODENTS

Bryan White and Anthony Garcia, Southern California Ecosystems Research Program (NSF-UMEB), California State University Fullerton, Department of Biological Sciences, Fullerton, CA, 92831

FISHERIES BIOLOGY

THE EFFECTS OF OCEANOGRAPHIC VARIABILITY AND FISHING PRESSURE ON FISH POPULATIONS AT ROCKY POINT.

Chelsea Munoz, Mackenzie Hansler, and Drew Hanson. Vantuna Research Group, Occidental College, Department of Biology, Los Angeles, CA, 90041

MOLECULAR BIOLOGY AND PHYSIOLOGY

EFFECTS OF GLUTATHIONE ON DENDRITIC CELL RESPONSE TO *MYCOBACTERIUM TUBERCULOSIS* INFECTION

Brenda Gonzalez^{1, 2}, Karanjodh Johal¹, Carlos Guerra¹, Alan Cundari¹, John Chan² and Vishwanath Venketaraman^{1, 2* 1} California State Polytechnic University, Pomona, CA, ² College of Osteopathic Medicine of the Pacific, Western University of Health Sciences, CA 92336.

Honorable mention: Molecular biology

THE ESTROGENIC EFFECTS OF DIETHYLSTILBESTROL ON THE MATURATION AND DIFFERENTIATION OF EMBRYONIC THYMOCYTES

Faraj Mourad, University of La Verne, Biology Department, La Verne, CA, 91750

PHYSICAL SCIENCE

NUTRIENT ANALYSIS OF THE BALLONA SALTWATER MARSH, ESTUARY AND CREEK

Dominic Leone and John Dorsey. Santa Monica Bay Restoration Commission, Loyola MaryMount University, Department of Natural Science, Los Angeles, CA, 90045