

2012-2024 Bloom Hays Awardees

2024

- **Ella Eleopoulus, California State Polytechnic University, Pomona (MS), \$2,500, *Prevalence of Anticoagulant Rodenticides in Raptors.***
- **Carolyn Coyle, Colorado State University (PhD), \$2,500, *Songbirds as Pollinators: Uncovering Plants of Importance for Southern California's Flower-Foraging Songbirds.***
- **Lindsay Peria, California State Polytechnic University, San Luis Obispo (MS), \$1,250, *Avian biodiversity in a vineyard dominated landscape in California.***
- **Joseph Di Liberto, University of California, Los Angeles (PhD), \$1,250, *Investigating Adaptive and Fitness Consequences of Behavioral Phenotypes in Urbanizing Dark-eyed Juncos.***
- **Karagan Smith, University of California, San Diego (PhD), \$1,250, *Understanding Functional Traits Driving Drought and Herbivore Resistance in Southern California's Postfire Vegetation.***
- **Sam London, University of California, Riverside (PhD), \$1,250, *Investigating the Seed Predation and Dispersal Activities of the Giant Kangaroo Rat.***

Zemba Wetland Research Grant

None of the applications submitted in 2024 were related to coastal wetland habitats, shorebirds, or seabirds. Therefore, no Zemba Wetland Research Grants were awarded in 2024.

2023

- **Tania Romero, California State University, Los Angeles (MS), \$2,500, *The Effects of Climate Variability on the Interannual Movement Strategies of a Spring Migrant Landbird in the Pacific Flyway.***
- **Sierra Winter, University of California, Riverside (PhD), \$2,000, *Are Allen's Hummingbirds in Trouble?***
- **Ynez Diaz, California State University, Long Beach (MS), \$2,000, *Mobbing Behaviors of Urban Birds Along a Socio Economic Gradient.***
- **Jennifer Schlauch, University of California, Irvine (PhD), \$1,500, *Solitary Bee Diversity and Microbiomes in California's Coastal Wetlands.***
- **Helen Payne, University of California, Santa Barbara (PhD), \$1,000, *Birds, Bees, and Baby Blue Eyes: Parallel Multitrophic Responses to Climate Change.***
- **Lydia Dean, University of California, Irvine (PhD), \$1,000, *Interspecific Variation in Plant Indirect Defense by Insectivorous Birds.***

Zemba Wetland Research Grant

- **David Boehmer, California State University, Long Beach (MS), \$2500, *The Habitat Use and Reproductive Activity of the Belding's Savannah Sparrow.***

2022

- **Jessica Burton, California State University, Long Beach (MS), \$2500, Optimizing Artificial Raft Placement for the Light-footed Ridgway's Rail (*Rallus obsoletus levipes*).**
- **Janelle Chojnacki, California Polytechnic State University, Humboldt (MS), \$2,500, Common Raven Movement Around Western Snowy Plover Nesting Habitat.**
- **Riley Jones, University of Nevada, Las Vegas (PhD), \$2,500, Clark's Nutcrackers as agents for Dispersal of Bristlecone Pine.**
- **Janine Fischer, University of California, Los Angeles (PhD), \$1,200, Effects of Interspecific Competition on Habitat Use by Stephens' Kangaroo Rat.**
- **Jessica Mullins, University of California, San Diego (PhD), \$1,500, Eleven Year Resurvey to Uncover the Life History Traits of Native Bees Resistant or Vulnerable to Habitat Fragmentation.**

2021

- **Joseph Curti, University of California, Los Angeles (PhD), \$2,500, Assessing Barriers to California Quail Gene Flow in the Santa Monica Mountains.**
- **Caryn Iwanaga, University of California, Riverside (Undergraduate), \$1,200, Campus Hill Restoration Research Project.**
- **Alexandria Koedel, California Polytechnic State University, Pomona (MS), \$1,300, Genetic Polymorphism in Candidate Genes of Resident and Migratory Turkey Vultures.**
- **Stephanie Calloway, California Polytechnic State University, San Luis Obispo (MS), \$2,500, Saving a Rare Plant Species to Increase Seabird Nesting Habitat on Anacapa Island.**
- **Rachel Bockrath, California Polytechnic State University, Pomona (MS), \$1,000, Avian Diversity and Foraging Behavior in a Heterogeneous Urban-Agroecosystem.**
- **Joanna Tang, University of California, Santa Barbara (PhD), \$1,000, Ecotypic Variation in Vernal Pool Communities.**
- **Nina Vinuti, University of California, Davis (MS), \$500, Can Injured Trees Keep Up with Climate Change? Assessing the Effects of Fire Injury on Conifer Fecundity in Sierra Nevada Forests.**

2020

- **Timothy Brown, University of California, Santa Cruz (PhD), \$2,500, Climate Change and the Continent's Highest-elevation Birds: North America's Rosy-Finches on the Escalator to Extinction.**
- **Alexandra Gresham, California Polytechnical University, Pomona (MS), \$1,330, Lead Toxicity and its effects in the California Turkey Vulture.**
- **Amanda Martinez, California State University, Long Beach (MS), \$1,170, Prey Availability as a Correlate of Nesting Success for the California Least Tern (*Sternula antillarum browni*).**

- **Janine Fischer, University of California, Los Angeles (PhD)**, \$2,000, *Effects of Competitor Familiarization on Pacific Pocket Mouse Reintroduction Success.*
- **Kaleigh Russell, University of California, Riverside (PhD)**, \$1,500, *Pollinator Diversity in the Southern California Desert.*
- **Racine Rangel, University of California, Irvine (PhD)**, \$1,500, *Do climate conditions affect host-parasite relationships in marine snails?*

2019

- **Amanda Martinez, California State University, Long Beach (MS)**, \$1,250, *Prey Availability and Habitat Characteristics as Correlates of Nesting Success for the California Least Tern (*Sternula antillarum browni*)*
- **Timothy Brown, University of California, Santa Cruz (PhD)**, \$2,500, *Assessing Climate Vulnerability for the Continent's Highest Elevation Breeding Birds: North America's Rosy-Finches*
- **Stephanie Nehasil, University of California, San Diego (PhD)**, \$2,000, *Linking Climate and Prey Availability to Population Dynamics of Marine Predators*
- **Anthony Dant, California State Polytechnic University, Pomona (MS)**, \$2,000, *The Effects of Urbanization on California Towhees in Southern California*
- **Kandi Erickson, California State University, Long Beach (Undergraduate)**, \$750, *The Effects of Predation and Competition on Nest Density of California Least Terns (*Sternula antillarum browni*)*
- **Elizabeth Bullard, University of California, San Diego (PhD)**, \$750, *Response and Functional Impacts of Shell Calcification Traits of Three Ecologically Important Bivalve Species Along a pH and Temperature Gradient*
- **William Ota, University of California, Riverside (PhD)**, \$750, *The Effect of Two Effluent Outflows on the Santa Ana River*

2018

- **Chris Vennum, Colorado State University, Fort Collins (PhD)**, *Territory Persistence and Reproductive Performance of Swainson's Hawks (*Buteo swainsoni*) Across Habitat Interfaces* (\$2,500)
- **Amy Miles, University of California, Davis (Undergrad)**, *Assessing Reproductive Condition of Ashy Storm Petrels on Southeast Farallon Island* (\$1,500)
- **Dillon Travis, University of California, San Diego (PhD)**, *Honey Bee Pollination May Increase Geitonogamy and Inbreeding Depression in Native Plants While Competing with Native Pollinators for Floral Resources* (\$500)
- **Carmel Tabush, Cal Poly Pomona (Masters)**, *Seasonal Bee Diversity and Abundance within the California Sage Scrub of the San Jose Hills and Chino Hills* (\$500)

2017

- **Neil Gilbert, University of Alabama, (Masters),** *Habitat Relationships of Grassland Birds in the Black Belt Region of Alabama and Mississippi* (\$600)
- **An Bui, University of California, Santa Barbara (PhD)** *Parasite Avoidance Behavior in Seabirds: Seasonal Endoparasite Load in Western Gulls* (\$1,700)
- **David Zonana, University of Colorado, Boulder (PhD),** *Influences of Adaptation and Social Networks on Hybridization in the Quail of Southern California* (\$1,700)
- **Alyssa Frederick Braciszewski, University of California, Irvine (PhD),** *Abalone Disease Resistance* (\$500)
- **Ana Guerra, University of California, Santa Barbara (PhD),** *An Overlooked Key Player? Nitrogen Deposition by the Channel Islands Western Gull* (\$500)

2016

- **Shannon Lynch, University of California, Santa Cruz (PhD),** *Risk, Spread, and Control of Fusarium Dieback – Shot Hole Borers Throughout Native Plant Communities in Southern California* (\$2,225)
- **Richard Hedley, University of California, Los Angeles (PhD),** *Tracking Migration of Cassin's Vireo: Identifying Wintering Grounds and Assessing the Impact of Brood Parasitism on Migratory Movements* (\$680)
- **Sara Matthews, California State University, Humboldt (Masters),** *Utilizing Unmanned Aircraft Systems to Understand the Changing Phenology of Eared Grebes at Mono Lake* (\$800)
- **Devyn Orr, University of California, Santa Barbara (PhD),** *Impact of Large Mammals and Climate on Bird Abundance and Diversity in Southern California* (\$800)
- **Joseph Gamez, California State University, Fullerton (Undergraduate),** *An Investigation of the Population Spread and Potential Host Species of the Pin-Tailed Whydah, an Exotic Obligate Brood Parasite in Southern California* (\$500)

2015

- **Michelle Barton, California State University, Long Beach,** *Nest Site Selection of the Light-footed Ridgway Rail (*Rallus obsoletus levipes*) in Two California Salt Marshes* (\$900)
- **Alexandria Pivovarovff, University of California, Riverside,** *Linking Climate Change, Vegetation Mortality, and Fire to Resiliency of Chaparral and Coastal Sage Scrub in the Santa Monica Mountains* (\$1,745)
- **Kevin Neal, University of California, Los Angeles,** *Landscape Genomics of the Western Spadefoot Toad, *Spea hammondi*, in Southern California* (\$1,000)

- **Rachel Chock, University of California, Los Angeles, *Little Pocket Mice: Habitat Use and Competition in a Coastal Sage Scrub Community* (\$1,000)**
- **Amanda Agosta, Mt. San Antonio Community College (Undergrad), *Mt. Wildlife Sanctuary Baseline Bird Data (A pair of 8X42 binoculars)***

Sea and Sage also provided funding for the following non-student projects (from the general fund) as recommended by the Science Committee:

- **John Stanek, Southern Sierra Research Station, *Western Yellow-billed Cuckoo Dispersal and Migration* (\$1,962)**
- **Jennifer Gee, James San Jacinto Mountains Reserve, *Causes of Reproductive Barrier Breakdown in California, Gambel's and Mountain Quail* (\$1,560)**

2014

- **Justin Valliere, University of California, Riverside, *Nitrogen Deposition and Post-fire Recovery of Coastal Sage Scrub Habitat* (\$2,000)**
- **Colleen Nell, University of California, Irvine, *The Role of Insectivorous Birds in Coastal Sage Scrub Ecosystem* (\$1,000)**
- **Rachel Chock, University of California, Los Angeles, *Little Pocket Mice: Habitat Use and Competition on a Coastal Sage Scrub Community* (\$1,000)**
- **James Hung, University of California, San Diego, *Linking Pollinator Diversity to Reproduction of Coastal Sage Scrub Plants* (\$500)**
- **Hannah Sadowski, San Diego State University, *There and Back Again: A Temporal Analysis of Restored Riparian Woodlands* (\$500)**

Sea and Sage also provided funding for the following non-student projects (from the general fund) as recommended by the Science Committee:

- **Jennifer Gee, James Reserve, *Causes and Consequences of Secondary Contact in California, Gambel's, and Mountain Quail***
- **William Clark, RapTours, *Further Field Work on Krider's Hawk***

2013

- **Megan Fitzgerald, California State University Long Beach, *The Relationship Between Biodiversity and Ecosystem Function in a Coastal Wetland.***
- **Sokanary Sun, California State University Long Beach, *Determining Ecosystem Functions of Brackish vs. Salt Marsh.***

2012

- **Tania Asef, California State University Long Beach, *Impacts of Genetically Diverse Tamarisk Invading San Dieguito Lagoon and Tiajuana Estuary***
- **Anastasia Shippey, California State University Long Beach, *Effect of Climate Change on a Restored Southern California Salt Marsh.***
- **Alyssa Stephenson, California State University, Fullerton, *Seasonal Progression of Prey of Nesting Elegant Terns in Southern California Based on GPS Tracking.***