

2014-15 Hooper Undergraduate Research Award Recipients

Dylan Barbera

Event Related Potential Correlates of Self/Other Differences

Mentor: Chad Woodruff, Psychology

Rebecca Beers

Paleo-environment Reconstruction and Origins of the Chalk Canyon Formation Ash

Mentor: Nancy Riggs, SESES – Geology

Shelby Burton

Student-Professor Rapport, Perceived Autonomy Support, and Course Outcomes

Mentor: Meliksah Demir, Psychology

Rae Byars

Has the water from the Upper Lake Mary Watershed become harder to filter?

Mentor: Abe Springer, SESES – Geology

Larrea Cottingham

The Biodiversity of Ectomycorrhizal Fungi across Varying Burn Severities and Their Effect on Ponderosa Pine (Pinus ponderosa) Regeneration

Mentor: Catherine Gehring, Biological Sciences

Taran DePaola

ERD Analysis of Mirror Neuron Ddata

Mentor: Chad Woodruff, Psychology

Daniel DePinte

Effects of Ponderosa Pine Biochar on Soil: Water Retention, Drought Resistance, and Crop Yields

Mentor: Matthew Bowker, School of Forestry

Garrett Erickson

Flow Relations of the Hoxworth Springs

Mentor: Abe Springer, SESES – Geology

James Franklin & Ryan Hogans

Ectoparasitism and Vector-borne Pathogens in Northern Arizona Predator-prey Cycles: Epizootiological Risk to Reintroduced Black-footed Ferrets (Mustela nigripes)

Mentor: Nathan Nieto, Biological Sciences

Chelsey Gardner

Explicit Vocabulary Instruction Embedded in Narrative Intervention

Mentor: Trina Spencer, Institute for Human Development

Kaylynne Gray

Developing Positive Transgender Identity: A Qualitative Study of Identity

Mentor: Andrew Walters, Psychology

Caroline Herrera

Objectively Assessing the Efficacy of Kinesio Tape to Reduce Swelling in Anterior Talofibular Sprains

Mentor: Scot Raab, Physical Therapy & Athletic Training

Josiah Huggins

Academic Dishonesty and Anonymity as Moderated by Ethnic Identity and Susceptibility to Stereotype Threat

Mentor: Nora Dunbar, Psychology

Yordano Jimenez

Have flatfish escape behaviors been altered because of changes in body shape and ecological niche?

Mentor: Alice Gibb, Biological Sciences

Hailey Kaus

Injury History Versus Current Fitness Baseline in Female Club Gymnasts

Mentor: Scot Raab, Physical Therapy & Athletic Training

Eloisa Lewis & Brett Cutler

C.S. Peirce, Artificial Intelligence, and Systems of Representation

Mentor: Jeffrey Downard, Philosophy

Ben Luginbuhl

Investigation of Plant-Derived Carbon Aerogels for Use in Multifunctional EDLCs

Mentor: Cindy Browder, Chemistry & Biochemistry

Brittany Meucci

The Effects of Cooling Rates and Types on Lava in Columnar Jointing Processes

Mentor: Nancy Riggs, SESES – Geology

Dylan Mills

Descriptions of Upper Devonian Placoderms from the Martin Formation of Flagstaff, AZ

Mentor: David Elliot, SESES – Geology

Cedar Mitchell

Providing Molecular Tools to Better Understand the Source and Dynamics of Human Plague Infections in Madagascar

Mentor: Dave Wagner, Biological Sciences

Jillian Mondrow & Ella Stephens

Arthropod Pollinators Influence the Reproductive Nature of Angiosperms along the C. Hart Merriam Gradient

Mentor: Neil Cobb, Biological Sciences

Alden Netto

Seismic Analysis of the San Francisco Peaks

Mentor: Ryan Porter, Biological Sciences

Michael O'Reilly

Using Growth Releases to Identify Disturbance Events in Southwestern Dry Mixed-conifer

Mentor: Andrew Sanchez Meador, School of Forestry

Liliana Ortiz

Molecular Ecology of Wedge-Tailed Shearwater

Mentor: Russell Benford, Biological Sciences

Inez Pabian

A Detailed Study of Arginase II in Toxoplasma gondii

Mentor: Fernando Monroy, Biological Sciences

Megan Saalfeld

Magmatic Processes Revealed by Crystal Texture of Mount Elden, Northern Arizona

Mentor: Carrie Brugger-Schorr, SESES – Geology

Tara Steadman

Using Electrolyte Leakage Measurements and Assess Cold Hardiness in Southwestern White Pines (Pinus strobiformis)

Mentor: Kristen Waring, School of Forestry

Justin Wilgus

Seismicity and Tectonics of the West Kaibab Fault Zone, Arizona

Mentor: David Brumbaugh, SESES – Geology

Amy Ziems

Effects of Estrogen on Resistance to Oxidative Stress

Mentor: Tinna Traustadóttir, Biological Sciences