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 Data
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