HURA Grant Recipients, 2015-2016

Student	Project Title	Faculty Mentor	Faculty Department
2015-2016 Projects			
Dylan Barbera	**Neural Dynamics of Moving and Static Faces: An Event Related Potential Study**	Chad Woodruff	Psychological Sciences
Daniel Boggs	**Measuring the Recharge Rate of Aquifers in the Flagstaff Area**	Abraham Springer	Geology
Brett Cutler	**EDS/WDS Quantification of Elemental Spatial Distribution in Fish Scales: Paving the Way for Geochemical Assessment**	Russell Benford	Biology/Chemistry
Ra'Shae Esplin	**The Self-Assembly of Active Magnetic Micro- and Nano-structures**	John Gibbs	Physics/Astronomy
Wolfgang Forbes	**Dune Migration Rates on the Navajo Reservation and Links to Climate Change**	Lee Amoroso	Geology
Elizabeth Gehret	**Numerical Simulations of Star Formation in Galaxy Mergers**	Lisa Chien	Physics/Astronomy
Allison Griffin	**Assessing Personality Types of Students in Athletic Training Programs**	Scot Raab	Athletic Training
Jonathan Grunwald	**Uraniums Estrogenic Effect on Human Breast Cancer Tissue, using MCF-7 Cell Line**	Catherine Propper	Biomedical Science
Rachel Harrow	**Developing a Rodent Track Identification Guide and Track Printing Methods for New Mexico Meadow Jumping Mouse**	Russell Benford	Forestry
Dane Henderson	**Using Satellite Remote Sensing to Study the Birth and Fate of a New Volcanic Island**	R. Greg Vaughan	Geology
Alexandra Huff	**Placing New Constraints on the Unexpectedly Complex Formation of Meteor Crater**	Justin Hagerty	Geology
John Kaplan	**Potential Viability of Biopesticide for Managing Bark Beetles in Forest Ecosystems**	Richard Hofstetter	Forestry
Samantha Kruse	**Heavy Metal for Migraines: Palladium-Phosphonium Systems and their Impact on Pharmaceuticals**	Stephanie Hurst	Chemistry
Emily Lawhead	**Contemporary Japanese Installation Art: Analysis of Exhibition Space as a Vehicle of Artistic Communication Rooted in Medieval Principles of Design**	Zsuzsanna Gulacsi	Art History/Asian Studies

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Erik Lehmkuhl	**Development of Microsatellite Markers in the Leech Helobdella stagnalis (Hirudinea: Glossiphoniidae) to Assess Paternity and Population Structure**	Stephen Shuster	Biomedical Science
Lucas Molina	**Long-term Litter Analysis of Treatments on a Ponderosa Pine Forest, Northern Arizona**	Matthew Bowker	Forestry
Garrett Mullen	**Determining Effective Learning Strategies Used in the Middle School Classroom**	Danielle Ross	Secondary Ed - Earth Science
Michael Newell	**Does Mode of Exercise Affect the Cellular Stress Response?**	Tinna Traustadottir	Biology
Daniel Raggio	**Scaling Models of Ejecta Blankets of Lunar Impact Craters**	Oleg Abramov: James Wittke	Astronomy/Geophysics
Bridger Rodoni	**Cell Signaling in Response to Acute Exercise: Effects of Age**	Tinna Traustadottir	Biomedical Science
Lindsay Sidak-Loftis	**Comparison of Ohi'a Tree Genotypes on Old and New Lava Flows in Hawai'i**	Joseph Busch	Biology
Claire Sotelo	**Development of S.P. Crater Eruption History Through Tephra Mapping**	Nancy Riggs	Geology
Seth Terrell	**Testing Proposed Margin of the Yavapai-Mojave Boundary Zone and Field Guide**	Ernest Duebendorfer	Geology
Dylan Thomas	**Metabolic Engineering of a Host to Incrase Production of a Biofuel, Tetramethylsqualene**	Andy Koppisch	Biochemistry
Carl Thomson	**Modeling the Effects of Ponderosa Pine Density on Soil Moisture**	Frances O'Donnell	Geology
Patrick Warfel	**A Comparison Between The Chemistry Of Cinder Deposits And Volcanoes In The San Francisco Volcanic Field**	Nancy Riggs	Geology
Taylor West	**Individual Differences in Mindfulness and Quiet Ego Functions as Moderators of a Neural Correlate of Self-centric Motivation**	Robert Goodman	Psychological Sciences
William Woods	**Soil Moisture Retention Comparison in Gradational Burn Severity of the Slide Fire Area: Thinned vs. Unthinned Ponderosa Pine Forests on the Southern Colorado Plateau**	Abraham Springer	Geology
Kyle Wyman	**Likelihood of Slope Failure of Slide Fire Area**	Taylor Joyal	Geology