

Grants from the October 15, 2006 Deadline

Alphabetical by Student's Last Name

Student Name	College/ University	Subject	Title	Mentor
Byron Adams	University of Cincinnati	Tectonics/ Geophysics	Exhumation and Erosion Rates of the Lahul Himalaya, Northern India, as Constrained by (U-Th)/He Thermochronometry and Cosmogenic Surface Exposure Dating	Craig Dietsch
Katherine Adelsberger	Washington University in St. Louis	Hydrology/ Geomorphology	Sedimentology, Geomorphology and Paleoenvironmental Interpretation of Artifact-Bearing Spring Mounds in Dakhleh Oasis, Western Desert, Egypt	Jennifer Smith
Mary Agnew	Saint Louis University	Behavioral Ecology	The Role of the Major Histocompatibility Complex in Pre- and Postcopulatory Mate Choice by Female Guppies (<i>Poecilia reticulata</i>)	Shawn Nordell
Jennifer Akst	Indiana University Bloomington	Behavioral Ecology	Genetic Analysis of Floridian Lined Seahorses (<i>Hippocampus erectus</i>)	Michael Wade
Laura Alberici da Barbiano	Texas State University-San Marcos	Behavioral Ecology	Unisexual-sexual Mating Systems: Is male Fitness Influenced by the Frequency of Unisexual Heterospecific Females?	Caitlin Gabor
Victoria Arch	University of California-Los Angeles	Physiology/ Functional Morphology	The Peripheral Basis of Ultrasound Sensitivity in a Chinese Frog.	Peter Narins
Josh Auld	University of Pittsburgh	Ecology	The Density-dependent and -independent Effects of Predation on the Mating System of the Hermaphroditic freshwater Snail <i>Physa acuta</i>	Rick Relyea
Troy Baggerman	Western Washington University	Petrology/ Geochemistry	Generation and Geochemistry of late Pleistocene andesite lava flows, Mt. Baker, WA	Susan DeBari
Beatriz Baker-Méio	University of Missouri-St. Louis	Ecology	Role of Pollinators in Maintaining Local Diversity of <i>Chamaecrista desvauxii</i> (<i>Leguminosae</i>)	Robert Marquis
Nabin Baral	Virginia Polytechnic Institute and State University	Conservation Biology	The Maoists insurgency and conservation in Nepal	Marc Stern
Sanja Benac	Illinois Institute of Technology	Engineering	Investigation of Retinal Hemodynamic Changes in Diabetic Animal Model	Jennifer Kang Derwent
Lillian Bloch	Villanova University	Systematics/ Evolutionary Biology	Genetic diversity in the sibling species <i>Transennella tantilla</i> and <i>T. confusa</i>	Michael Russell
Carlos Botero	Cornell University	Behavioral Ecology	Behavioral Mechanisms that Affect Paternity in the Tropical Mockingbird (<i>Mimus gilvus</i>)	Sandra Verhencamp
Brittany Bradshaw	University of Texas at Austin	Engineering	Novel Proteolysis Chip Technology for Studying Cell Migration with Matrix Metalloproteases in Collagen Matrix	Muhammad Zaman
Tracy Brockman	University of Cincinnati	Petrology/ Geochemistry	Dynamics of Crystallization and Cooling in a Dike of the Umatilla Member of the Columbia River Basalt Group	Warren Huff

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Amanda Brothers	Indiana University Bloomington	Ecology	Floral Scent Dimorphism in the Dioecious Plant <i>Silene latifolia</i>	Lynda Delph
Leah Brown-Wilusz	University of Connecticut	Ecology	Ontogenetic Effects of Hatching Plasticity in Spotted Salamanders due to Larval and Egg Predators	Kurt Schwenk
Christine Bruno	California State University-Northridge	Conservation Biology	Geographic Trends in Photolyase Activity and the Sublethal Effects of UV-B Exposure in the Andean Toad	Robert Espinoza
Clay Buchanan	Central Michigan University	Behavioral Ecology	Habitat Use By Reintroduced American Marten In Hardwood Dominated Forest	Bradley Swanson
Melissa Cameron	Towson University	Ecology	Evaluating Peccary Wallows as Dry Season Breeding Habitat for Anurans.	Herald Beck
Fernando Campos	University of Calgary	Behavioral Ecology	Olfactory Signaling and Urine Washing in White-faced Capuchins, <i>Cebus capucinus</i> .	Linda Fedigan
Daniel Cardoni	Universidad Nacional de Mar del Plata	Conservation Biology	Genetic and Morphological Adaptations in birds of South American Tidal Marshes: Convergence with Eastern North America?	Russell Greenberg
Christina Carlson	University of Wisconsin-Madison	Cell Biology/ Biochemistry	Mechanism of Transforming Growth Factor- β Activation by Influenza Neuraminidase	Stacey Schultz-Cherry
Steve Carrea	Manhattan College	Engineering	Hydrogen Generation via Sodium Borohydride	Nada Assaf-Anid
Kenneth Carrell	Texas Tech University	Physics/ Astronomy	Substructure in the Galactic Halo	Ronald Wilhelm
Elizabeth Carrington	Southern Oregon University	Hydrology/ Geomorphology	Retrieving Recent Environmental Records from Contamination Trends in Dam Trapped Sediments, Gold Ray Dam, Oregon.	William Elliott
Amanda Chunco	University of North Carolina at Chapel Hill	Ecology	Ecological Correlates of Hybridization in Spadefoot Toads	Karen Pfennig
Molly Cornell	San Francisco State University	Petrology/ Geochemistry	Investigation of Possible Graphite Pseudomorphs after Diamond from the South Ural Mountains, Russia, using Multiple Techniques	Mary Leech
David Costello	University of Notre Dame	Ecology	Effects of Exotic Earthworms (<i>Lumbricidae</i>) on Nutrient Dynamics in linked Terrestrial-aquatic Ecosystems	Gary Lamberti
Laura Craig	University of Wisconsin-Madison	Hydrology/ Geomorphology	Determining the Source of Groundwater in a Riparian Floodplain using Oxygen-18 and Deuterium Isotopes	Jean Bahr
Tafline Crawford	Washington University in St. Louis	Anthropology	Comparative Analysis of the Makapansgat Hominins	Glenn Conroy
Kevin Croxall	Indiana University Bloomington	Physics/ Astronomy	Abundances in the Super-Metal Rich Cluster NGC 6253	Constantine Deliyannis

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Joseph Daniel	Ohio University	Paleontology/ Sedimentation	Heads as Sediment Sorters: An Actualistic, CT-based Study in Taphonomy	Lawrence Witmer
Emily Daviau	Middlebury College	Cell Biology/ Biochemistry	The Effect of Testosterone on Hippocampal Neurogenesis and Spatial Memory in Adult Male Rats	Mark Spritzer
David Dawkins	University of Georgia	Physiology/ Functional Morphology	Development of a Practical Method to Control Obesity: Using the Pig as an Animal Model to Test Effectiveness of Pre-meal Beverages to Induce Satiety and Control Caloric Intake	Michael Azain
Daniel de Lill	George Washington University	Chemistry	Exploring and Manipulating Lanthanide Luminescence in Metal-Organic Framework Materials	Christopher Cahill
Tamar Degani	University of Pittsburgh	Psychology	Cognitive Consequences of Biliteracy - Effects of Reading Direction on Flexibility of Visual Attention	Natasha Tokowicz
Peter Dimoulas	University of British Columbia	Physiology/ Functional Morphology	The Contributions of Growth Hormone to Muscle Physiology in Transgenic Salmon.	Robert Shadwick
Vladimir Dinets	University of Miami	Behavioral Ecology	Evolution of Mating-related Communication of Crocodylians (order <i>Crocodylia</i>)	Steven Green
Thomas Doggett	Arizona State University	Hydrology/ Geomorphology	Field Mapping of Snow and Ice Cover on Lake Mendota, Wisconsin: Validation of Autonomous On-board Classification and Detection of Cryospheric change.	Ronald Greeley
Karen Drahos	Virginia Polytechnic Institute and State University	Cell Biology/ Biochemistry	Developmental Pathways Involved in Resistance to Genotoxic Stress During Early Embryogenesis	Carla Finkielstein
Abbey Eisenhower	University of California-Los Angeles	Psychology	Building Relationships at School: An Intervention to Improve Early Teacher-Student Relationships for Children with Externalizing Behavior Problems	Bruce Baker
Susan Elliott	Dartmouth College	Ecology	Bumblebee Pollinator Response to Floral Resource Availability	Rebecca Irwin
Sara Emerson	University of Illinois at Chicago	Conservation Biology	Conservation and Habitat Requirements of the Sykes Monkey (<i>Cercopithecus albogularis erythrarchus</i>)	Joel Brown
Jennifer Eudy	University of Virginia	Physiology/ Functional Morphology	Olfactory Learning: Analysis of Cortical Neurons During Acquisition of an Olfactory Task	Kurt Illig
David Fernandez Sobrado	State University of New York at Stony Brook	Anthropology	Female Reproductive Competition in the Sanje Mangabey (<i>Cercocebus sanjei</i>)	Diane Doran-Sheehy
Courtney Fitzpatrick	Duke University	Behavioral Ecology	Sexual Selection in Females: are Baboon Sex Skin Swellings a Sexually Selected Trait?	Susan Alberts

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David Gaines	University of Tennessee-Knoxville	Tectonics/ Geophysics	Developing Near-surface Three-component (3C) Seismic Techniques for Imaging Shallow Out of Plane Reflectors in an Isotropic Medium.	Gregory Baker
Megan Gall	California State University-Long Beach	Behavioral Ecology	Visual Acuity, Visual Field and Foraging Ecology of the Black Phoebe (<i>Sayornis nigricans</i>)	Esteban Fernandez-Juricic
Anthony Gamble	University of Minnesota, Twin Cities	Systematics/ Evolutionary Biology	Molecular Evolution in Vision Genes and the Multiple Origins of Diurnality in Geckos	G.F. Warren
Kaushik Ghosal	Miami University Ohio	Physiology/ Functional Morphology	Does Social Rank Formation Influence Neurogenesis?	Kathleen Killian
Jennifer Glidewell	Auburn University	Petrology/ Geochemistry	Petrographic Investigation of Drillcores Eyreville A and Eyreville B: Chesapeake Bay Impact Structure, Virginia	David King
Oleksiy Golovin	Truman State University	Physics/ Astronomy	Infrared Photometry of Mira-type Variable Stars	Matthew Beaky
Amy Greer	Arizona State University	Ecology	Mechanisms of Disease Transmission Directly Influence Host Persistence or Extinction.	James Collins
Paul Gugger	University of Minnesota, Twin Cities	Ecology	Geographic and Adaptive Consequences of Climate Warming on Douglas-fir	Shinya Sugita
Shikha Gupta	University of California-Berkeley	Engineering	Effects of Tissue Sectioning and Substrate on the Dynamic Mechanical Properties of Porcine Costal Cartilage as Determined from Atomic Force Microscopy.	Lisa Pruitt
Chadwick Hanna	University of Louisville	Behavioral Ecology	Does Dietary Color Change Affect Flower Color Preference in the Juvenile Crab Spider <i>Misumenops asperatus</i> ?	Perri Eason
Siobhan Hart	University of Massachusetts Amherst	Anthropology	Radiocarbon Dating of Archaeological Features at the Area D Site, Deerfield, Massachusetts	Elizabeth Chilton
Justin Havird	University of Florida	Physiology/ Functional Morphology	The Evolution and Function of Cyclooxygenase in Ancestral Chordates	David Evans
Kendra Hayashi	Moss Landing Marine Laboratories	Ecology	Application of rDNA ITS Sequence Analysis to Assess Inter- and Intraspecific Diversity in <i>Pseudonitzschia</i> Communities in Monterey Bay, CA	G. J. Smith
Jason Hayes	Miami University Ohio	Cell Biology/ Biochemistry	Elevated NF- κ B as a Compensatory Mechanism for Maintenance of Indoleamine Dioxygenase Activation in Chlamydia-Infected Cells	Joseph Carlin
Tiffany Hensley	University of Southern Mississippi	Anthropology	DNA Testing of the Moran Site (22HR511)	Marie Danforth

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Alexandra Herrera-Martinez	Universidad de Puerto Rico en San Juan	Systematics/ Evolutionary Biology	Taxonomic Review and affinities of the Puerto Rican Spiny Rats (<i>Rodentia</i> , <i>Echimyidae</i> , <i>Heteropsomyinae</i>)	J.P. Thomas
Katherine Higgins	University of Utah	Ecology	Diversity and Ecological Interactions of Fungal Endophytes in Tropical Grasses	Phyllis Coley
Stacey Hodder	McGill University	Anthropology	Do Forest Edges Facilitate Parasite Transmission from Humans to Non-human Primates?	Colin Chapman
Jamie Hodgkins	Arizona State University	Anthropology	Taphonomy and Zooarchaeology of Pech de l'Azé IV, France	Kaye Reed
Timothy Hoellein	University of Notre Dame	Ecology	Coupling Microbial Community Composition and Ecosystem Processes to Examine the Response of Microbial Biofilms to Experimental Eutrophication in a Midwestern Stream	Jennifer Tank
Bradley Hollidge	North Carolina State University	Physiology/ Functional Morphology	Calcium Responses in Perisynaptic Schwann Cells at the Aged Mouse Neuromuscular Junction	Jane Lubischer
Ava Howard	University of Georgia	Physiology/ Functional Morphology	Determining the Stomatal Contribution to Nighttime Water loss in Two Populus species.	Lisa Donovan
Kevin Hughes	Illinois State University	Hydrology/ Geomorphology	Sediment Abrasion vs. Solution in the Evolution of Karst Conduits	Eric Peterson
Aren Hunter	University of New Brunswick	Psychology	Graphical Perception and Learning: A Physiological and Behavioral Examination of Graphical Processing	Lisa Best
Wendy Hwang-Verslues	University of California-Riverside	Cell Biology/ Biochemistry	Over-expression of HNF4alpha Regulates Cell Cycle	Frances Sladek
Sara Jablonski	Williams College	Ecology	Resistance to A-amanitin in the <i>Drosophila quinaria</i> Species Group	Jason Wilder
Heather Jackson	Louisiana State University-Baton Rouge	Behavioral Ecology	When Neighbors are Useful: Conspecific Attraction During Different Stages of Passalid Beetle Dispersal	James Cronin
Lee Jacobs	University of North Carolina at Chapel Hill	Ecology	Identifying Mechanisms Causing Janzen-Connell Effects in Southeastern Temperate Forests	Robert Peet
Ana Jimenez	University of North Carolina at Wilmington	Physiology/ Functional Morphology	Tail-flipping in Crustaceans: a Model for Muscle Metabolic Design.	Stephen Kinsey
Jara Johnson	Southern Oregon University	Chemistry	Metal Leaching and Acid Mine Drainage at the Blue Ledge Mine, Siskiyou County, California	William Elliott
Tracey Johnson	Oregon State University	Ecology	The Relative Effects of Livestock Grazing Intensity on Consumer versus Resource Regulation of Grassland Bird Populations.	Patricia Kennedy
Daniel Jones	Pennsylvania State University	Ecology	Comparative Microbial Genomics of Two Extreme Environments	Jennifer Macalady

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Deborah Jones	University of the Witwatersrand	Cell Biology/ Biochemistry	An Investigation of the Proctodeal Region with Respect to Development and Breakdown of the Cloacal Membrane in <i>Xenopus laevis</i>	Beverly Kramer
Jooyong Jung	Miami University Ohio	Cell Biology/ Biochemistry	Mechanism of Pro-inflammatory Cytokine Induction Following Chlamydia trachomatis-THP-1 Cell Interaction	Joseph Carlin
Sheryl Kane	University of California-San Francisco	Engineering	PEGylation of UHMWPE to Improve Lubrication and Early Wear Behavior of Total Hip Replacements	Angela Koehler
Lavakumar Karyampudi	Indiana State University	Cell Biology/ Biochemistry	Effectiveness of Idiotype-adjuvant Conjugate Vaccine against a B Cell Lymphoma	Swapan Gosh
Alicia Kennedy	Sam Houston State University	Paleontology/ Sedimentation	Excavation and Analysis of the Small Mammal Fauna from the Virginia Railway Cut Site, Free State, South Africa	Patrick Lewis
Kevin Kim	Virginia Polytechnic Institute and State University	Cell Biology/ Biochemistry	Role of Circadian Proteins in Tumor Suppression	Carla Finkielstein
Ryan King	Florida Institute of Technology	Physiology/ Functional Morphology	Infrared vs. Visual Imaging: The striking Behavior of Pit Vipers and Pythons	Michael Grace
Marta Kocun	Concordia University	Chemistry	Force Spectroscopy Study of Chitosan	Louis Cuccia
Kirk Kornegay	Appalachian State University	Conservation Biology	Crustacean Autotomy and Energy Allocation in the Caribbean Spiny Lobster (<i>Panulirus argus</i> , Latreille): a Case Study in Conservation Physiology	Shea Tuberty
Rebecca Kowalczyk	Rutgers, The State University of New Jersey	Engineering	Analysis of Flow Patterns Resulting from Cephalopod Locomotion	Francisco Diez-Garias
Corinne Kozlowski	University of Missouri-St. Louis	Ecology	Within-clutch Variation of Yolk Androgens in the Eastern Screech Owl (<i>Megascops asio</i>)	Robert Ricklefs
Stacy Krueger	California State University-Northridge	Ecology	Differential Gene Expression in the Life History of <i>Mastocarpus papillatus</i>	Steven Dudgeon
Antonina Kruppa	Mount Holyoke College	Cell Biology/ Biochemistry	Identifying Binding Sites for the betaFTZ-F1 Protein in the E93 Gene of <i>Drosophila melanogaster</i>	Craig Woodard
Daniel Kueh	Western Michigan University	Physiology/ Functional Morphology	The role of Acetylcholine (ACh) in Preconditioning-induced Neuroprotection of Retinal Ganglion Cells (RGCs)	Cindy Linn
Erin Kurten	Stanford University	Ecology	Effect of Terrestrial Mammals on Tropical Plant Functional Composition and Community Assembly	G.F. Warren
Kristen Landolt	Murray State University	Ecology	The Effect of Predator Presence on the Early Developmental Stages of the Mole Salamander <i>Ambystoma talpoidum</i> .	Howard Whiteman

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Hayley Lanier	University of Alaska Fairbanks	Systematics/ Evolutionary Biology	Body Size Clines in a Changing Climate? Testing hypotheses of Bergmannian Trends in an Alpine Lagomorph (<i>Ochotona collaris</i>)	Link Olson
Stephanie Lansing	Ohio State University	Engineering	Optimizing Electricity Generation and Wastewater Treatment in Small-Scale Digesters	Jay Martin
Thomas Lazzara	McGill University	Chemistry	Size and Shape Characterization of Self-assembled Polymer Nanotubes Towards Developing Controlled Polymerization Templates	Michael Whitehead
Cristina Ledon-Rettig	University of North Carolina at Chapel Hill	Systematics/ Evolutionary Biology	Developmental Basis of Resource Polyphenism	David Pfennig
Chi Hang Lee	Illinois Institute of Technology	Chemistry	Novel Potential Photosensitizers for Anti-Cancer Photodynamic Therapy: the Synergy Effect of Boron and Silicon Phthalocyanines with Nucleobases Substituents	Peter Lykos
Jodell Linder	University of Georgia	Systematics/ Evolutionary Biology	Immune Function and Temperature in <i>D. melanogaster</i>	Daniel Promislow
Megan Loudermilk	University of Tennessee-Knoxville	Tectonics/ Geophysics	Geophysical and Geochemical Analysis of Lacustrine Records for Determining Arctic Warmth Through Multiple Interglacial Periods	Gregory Baker
Lynn Lucas	Florida Atlantic University	Anthropology	Craniofacial Form and Temporalis Configuration in Middle Pleistocene Hominids	Robert McCarthy
Ryan Maderak	Indiana University Bloomington	Physics/ Astronomy	Oxygen Abundances of Star Clusters in the Gallactic Disk	Constantine Deliyannis
Teresa Maness	Wake Forest University	Ecology	Sex-specific Post-fledging Survival in a Male Biased Population of the Reverse Sexual Size Dimorphic Seabird, Nazca booby	David Anderson
Marcela Martinez Millan	Cornell University	Systematics/ Evolutionary Biology	Earliest Representatives of the <i>Asteridae</i> in the Fossil Record	William Crepet
Tara Massad	Tulane University	Ecology	Helping Seedlings Help Themselves: Improving Tropical Reforestation Through Chemical Ecology	Lee Dyer
Betsy Mathew	Widener University	Cell Biology/ Biochemistry	The Effects of Atrazine on Cytochrome P450 Activity in <i>Rana Pipiens</i>	Frances Weaver
Mathilde Matthijsse	University of Durham	Anthropology	Inuit Women's Entry into the Labour Market and its Effects on Intra-household Relations	Andrew Russell
Carl McCabe	University of California-Davis	Anthropology	Customs and Informal Institutions in Beijing's Vegetable Markets: An Ethnographic Account of Prosociality	Bruce Winterhalder

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Jacquelyn McGill	St. Mary's College of Maryland	Psychology	The Behavioral Effects of Diazepam in the <i>Locus Coeruleus</i> on Anxiety	Anne Marie Brady
Sarah McMenamin	Stanford University	Ecology	Metamorphosis and Population Genetics of the Tiger Salamander (<i>Ambystoma tigrinum melanostictum</i>) in Response to Local Habitat and Climate Change in the Greater Yellowstone Ecosystem	Elizabeth Hadly
Maureen Meyers	University of Kentucky	Anthropology	Identifying Frontier Chiefdoms Archaeologically at the Edge of the Mississippian World	Richard Jeffries
Teresa Micheli	George Mason University	Psychology	Hippocampal Deficits Due to Elevated Zinc Consumption Assessed by the Trace Fear Conditioning Task.	Jane Finn
Mark Millard	Baylor University	Tectonics/ Geophysics	Linking Onshore and Offshore Data to Find Seismogenic Faults Along the Eastern Malibu Coastline	Vincent Cronin
Floria Mora Kepfer	University of Miami	Behavioral Ecology	What does it take to be a Queen? : Effect of Juvenile Hormone, Nutrition, and Social Interactions on Hierarchy Status in a Primitively Eusocial Wasp	Keith Waddington
Maria Moreno Arbeleche	Center for Pharmacological and Botanical Studies	Cell Biology/ Biochemistry	Cyrcadian Rythms in glaucoma	Ruth Rosenstein
Emily Morrison	Michigan State University	Behavioral Ecology	Avian Foraging Behavior in Forest Restoration Sites in Southwestern Costa Rica.	Catherine Lindell
Suzanne Morrison	Australian National University	Conservation Biology	The Ecology and Conservation of the Fijian Crested Iguana (<i>Brachylophus vitiensis</i>)	Scott Keogh
Maria Mosca Torres	Consejo de Investigaciones Cientfficas y TTCnicas	Behavioral Ecology	Diet and habitat Selection in a Vicuña Population in Salta Province, Argentina	Silvia Puig
Jennifer Mosher	University of Alabama at Tuscaloosa	Ecology	Influences of Underlying Bedrock on Sedimentary Microbial Community Structure in Forested Streams	Robert Findlay
Lemmi Muia	University of Nairobi	Petrology/Geochemistry	Gold Enrichment Evolution in a Granitic Pluton: Insights from Rostermann Mine, Kakamega Gold Field, Kenya	Williams K. Biwott
Shomen Mukherjee	Ben-Gurion University of the Negev	Ecology	Understanding Predator-prey Interactions Using a Game Theoretic Approach	Burt Kotler
Parag Mukhopadhyay	Duke University	Chemistry	Modeling Chiroptical Properties of Biomolecules and Natural Products in Solution	David Beratan
Cara Mulcahy	University of Tennessee-Knoxville	Petrology/ Geochemistry	High-resolution C-S-O Isotopic Variation in Cambrian-Ordovician Carbonates of the Argentine Precordillera: Implications for Atmospheric Oxygenation	Linda Kah

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Justin Murphy	Washington State University	Tectonics/ Geophysics	Strain Localization and the Development of Ductile Shear Zones: Structural Analysis of Granite Point, Lower Granite Reservoir, southeastern Washington State, USA.	Anthony Watkinson
Anand Narayanan	Pennsylvania State University	Physics/ Astronomy	Probing Cold Clouds in Damped Lyman-alpha Absorbers	Jane Charlton
Neha Navsaria	Temple University	Psychology	Patterns of Acculturation and Resilience within the Asian-Indian Diaspora	Portia Hunt
Karen Newell-Litwa	Emory University	Cell Biology/ Biochemistry	Regulation of Synaptic Vesicle Protein Turnover by Novel Lysosomal Transport Mechanism	Victor Faundez
Thao Nguyen	Illinois State University	Physiology/ Functional Morphology	Effects of Citalopram or Duloxetine on Morphine-induced Immunosuppression	Laura Vogel
David Nidever	University of Virginia	Physics/ Astronomy	Exploring the Stellar Halo of the Large Magellanic Cloud	Steven Majewski
Ryan Notti	University of Connecticut	Cell Biology/ Biochemistry	Neurotransmitter Regulation of Stem Cells in the Elderly Mouse Brain	Joanne Conover
Kevin O'Brien	University of Wisconsin-Madison	Cell Biology/ Biochemistry	Altered Cellular Innate Immune Response During Highly Pathogenic H5N1 Avian Influenza A infections; Role of Neutrophils in Anti-viral Response	Stacey Schultz-Cherry
Julie Oestreich	University of Kentucky	Physiology/ Functional Morphology	The Effects of P2Y12 Polymorphisms on Platelet Receptor Density and Activation	Wendell Akers
Eric Pante	University of Louisiana at Lafayette	Systematics/ Evolutionary Biology	Population Connectivity in the Deep Sea: Investigating Intra- and Interspecific Genetic Variation Within the Genus <i>Metallogorgia</i> (Subclass <i>Octocorallia</i> , Family <i>Chrysogorgiidae</i>)	Scott France
Zachary Papper	Wayne State University	Systematics/ Evolutionary Biology	Evolution of Primate Regulatory Regions: A Comparative Genomic Analysis of LDHA and LDHB	Morris Goodman
Sharmila Pathikonda	The University of Louisiana at Lafayette	Ecology	Effects of Salinity Stress and Invasive Species on the Interaction Between a Native Freshwater Marsh Plant and its Pollinator	Susan Mopper
Gregory Pauley	Indiana University Bloomington	Physics/ Astronomy	Studies of a Pyroelectric Crystal to Develop a Table-top Neutron Source	Richard van Kooten
Sara Paver	University of Illinois at Springfield	Ecology	Extention of Phosphate Cycling in Freshwater: Identification of Bacterial Species that Cylcle Organophosphates	Michael Lemke
Eryn Pendley	Sam Houston State University	Ecology	Thermal Preferences of Bark Scorpions in Heterogeneous Environment.	Matthew Rowe
Fern Perkins	Appalachian State University	Ecology	Increased Nitrogen Deposition and the Green Algal Lichen <i>Umbilicaria mammulata</i> : too Much of a Good Thing?	Howard Neufeld

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Aurel Persoiu Tiritu	University of South Florida	Petrology/ Geochemistry	Reconstruction of Past Climate Changes Using ice in Caves as Source of Paleoclimatic Data	Bogdan Onac
Todd Peterson	University of Wisconsin-Milwaukee	Psychology	The Effects of Dexamethasone on Capillary Density in the Rodent	Rodney Swain
Carlos Prada	Universidad de Puerto Rico en Mayaguez	Ecology	Genetic Variation and Phenotypic Placidity of the Gorgonian <i>Plexaura flexuosa</i> in Puerto Rico	Paul Yoshioka
Elizabeth Preston	Williams College	Systematics/ Evolutionary Biology	Linkage Disequilibrium Analysis of Southeast Asian ovalocytosis in Indonesians	Jason Wilder
Nicole Quinlan	Duke University	Psychology	The Intergenerational Transmission and "Moralization" of Appearance and Achievement Values and Their Influence on Children's Contingencies of Self-Worth	Philip Costanzo
Anne Readel	University of Illinois at Urbana-Champaign	Ecology	The Effects of Habitat Degradation on the Gastrointestinal Parasites of Slider Turtles (<i>Trachemys scripta</i>)	Christopher Phillips
Chelsea Reid	St. Mary's College of Maryland	Psychology	Impaired Working Memory and Decreased Serotonin within the Hippocampus from an Escalating Dose of Methamphetamine in Periadolescent Rats	Anne Marie Brady
Allison Rexroth	University of Denver	Anthropology	Franktown, Trinchera, and Kenton Caves: A Study of Perishable Assemblages as Indicators of Cultural Affinity and Change in the Early/Middle Archaic through Early Ceramic of the Southern High Plains	Lawrence Conyers
Casimira Ruiz	Saint Mary's College	Psychology	Cognitive Deficits Following an Escalating Dose of Methamphetamine	Anne Marie Brady
Rachael Ryan	New Mexico State University	Ecology	Biochemical Defense in the Checkerspot Butterfly <i>Euphydryas anicia cloudcrofti</i> (<i>Lepidoptera: Nymphalidae</i>).	Brook Milligan
Adarsh Sagar	Drexel University	Engineering	Manufacturing of Drug Nano-dispersions and Nano-particles by Mechanochemical Synthesis.	Yury Gogotsi
Benjamin Samelson-Jones	Albert Einstein College of Medicine	Cell Biology/ Biochemistry	Catalytic Mechanism of Indoleamine 2,3-Dioxygenase	Syun-Ru Yeh
Robert Sas	San Francisco State University	Tectonics/ Geophysics	Evaluation of the Mid-crustal "channel Flow" Model in Relation to Gneiss Dome Processes	Mary Leech
Stephanie Schroeder	University of Oregon	Ecology	Game Theory Challenged; the Testing of new Territoriality Models Using <i>Lottia gigantea</i>	Alan Shanks
Mary Scott	North Carolina State University	Physics/ Astronomy	Detecting Rotator Phase Dynamics in Monolayer Silane Films	Laura Clarke

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Lindsey Seldin	Middlebury College	Cell Biology/ Biochemistry	Characterizing Putative Intermediaries of Streptococcus Mutans SloR Metalloregulation.	Grace Spatafora
Jiajian Shen	Pennsylvania State University	Physics/ Astronomy	An image study of Black Hole - Host galaxy relationships in Broad-Line Active Galactic Nuclei	Donald Schneider
Dinesh Shukla	University of Illinois at Chicago	Engineering	Investigation of White Matter Integrity in Correlation with Functional Connectivities in Patients with Multiple Sclerosis: A Diffusion Tensor and Functional MRI Study	Glenn Stebbins
Leah Simon	University of Florida	Physics/ Astronomy	Quasar Metallicities and Host Galaxy Evolution	Frederick Hamann
Christine Simpson	Wesleyan University	Physics/ Astronomy	Testing the Disk-locking Theory of T Tauri stars in IC348; and Photometric Observations of the Eclipsing Binary System KH15D	William Herbst
Marilou Sison-Mangus	University of California-Irvine	Systematics/ Evolutionary Biology	Functional Diversification of Duplicate Blue Opsins in Lycaenid Butterflies	Adriana Briscoe
April Sjoboen	Loma Linda University	Physiology/ Functional Morphology	Seasonal Hepatopancreas Fatty Acid Fluctuations of the Striped Shore Crab, <i>Pachygrapsus crassipes</i> Randall, 1839, in Southern California	Stephen Dunbar
John Sliveus	University of California-Santa Cruz	Conservation Biology	Effects of Increased Current Velocity on the Growth and Condition of Captive Juvenile Coho Salmon (<i>Oncorhynchus kisitch</i>)	Mark Carr
Matthew Smith	University of Florida	Behavioral Ecology	Variation in Male Mating Success: the Role of Male Accessory Glands in Sperm Competition	H.J. Brockmann
Geertrui Spaepen	University of Chicago	Psychology	When a Woman Talks to a Man, What is She Really Telling Him? An inquiry into the Fluctuations of Vocal Production and Voice Quality Indicators as Markers of a Woman's Fecundity and Mate Attraction.	Martha McClintock
Kirstin Sterner	New York University	Anthropology	Evolutionary History of the Toll-like Receptor 7 Locus in Primates	Todd Disotell
Keeley Stevens	Worcester Polytechnic Institute	Physics/ Astronomy	Improved Direct Force Balance Method for Lateral Force Calibration	Nancy Burnham
Rachel Stevens	Pitzer College	Petrology/ Geochemistry	Can Compositional Variations in Late Pleistocene Marls of the Tule Valley Subbasin of Lake Bonneville be traced to climate variations 30 -14.5 ka?	Robert Gaines
James Strother	University of California-Irvine	Physiology/ Functional Morphology	Fluid Dynamics of Gill Ventilation in the Teleost Fish <i>Fundulus heteroclitus</i>	Matthew McHenry
Kristin Swaim	New Mexico State University	Ecology	Relating Fish Abundance and Condition to Environmental Factors in Desert Sinkholes	Wiebke Boeing

Grants from the October 15, 2006 Deadline

Alphabetical by Student's Last Name

Student Name	College/ University	Subject	Title	Mentor
Tuong Ta	University of California-Riverside	Cell Biology/ Biochemistry	Linoleic Acid is the Endogenous Ligand for the Nuclear Receptor Hepatocyte Nuclear Factor 4 (HNF4) alpha	Frances Sladek
Jaime Tanner	Michigan State University	Behavioral Ecology	Ontogenetic and Behavioral Influences on Diet in the Spotted Hyena (<i>Crocuta crocuta</i>)	Kay Holekamp
Norbert Tavares	Southern Connecticut State University	Cell Biology/ Biochemistry	Investigation of Ubiquitination and Phosphorylation on the Function and Localization of the G1 cyclin Cln2.	Nicholas Edgington
Brian Tavernia	Tufts University	Ecology	Evaluating the Hildén Model of Habitat Selection: New Ways to Test an Important Idea	J.M. Reed
Philip Taylor	Virginia Polytechnic Institute and State University	Ecology	Analysis of C stability across an N loading gradient in the Appalachian Mountains	H.M. Valett
Elizabeth Trampe	Carroll College	Physiology/ Functional Morphology	The Role of Voltage-Gated Calcium Channels in the Beneficial Effects of Electrical Stimulation on Wound Healing	Julie Rapps
Erica Tyler	Ohio State University	Anthropology	Socio-political Destabilization and Women's Health: the Bioarchaeology of Roman and Merovingian Gaul	Clark Larsen
Jorge Ubillus	Queens College of The City University of New York	Chemistry	Hydrophobically Driven Conformational Switching in Squaramides	Rajeev Muthyala
Divya Uma	Georgetown University	Behavioral Ecology	A web of Intrigue: Factors Influencing Prey Preferences of Spider-hunting Wasps	Martha Weiss
Lena Usyk	Central Michigan University	Conservation Biology	The Ecology of LeConte's Sparrows at Munuscong Bay	Michael Hamas
Dena Vallano	Cornell University	Ecology	Investigating the Use of Foliar d15N Signatures as Indicators of Atmospheric Nitrogen Dioxide Pollution in Red Maple (<i>Acer rubrum</i>)	Jed Sparks
Peter van Hengstum	McMaster University	Paleontology/ Sedimentation	Thecamoebians and Foraminifera as a Paleoenvironmental Tool in the Subterranean Flooded Cave Systems of Quintana Roo, Mexico	Eduard Reinhardt
Doug VanderLaan	University of Lethbridge	Psychology	Testing the Kin Selection Hypothesis for Male Homosexuality in Independent Samoa	Paul Vasey
Philip Vanderwerker	Rutgers, The State University of New Jersey	Engineering	Stereo PIV Measurement In Particle Laden Jets	Francisco Diez-Garias
Lee Vanzler	Lafayette College	Engineering	In-Situ Enhanced Steam Remediation Using Geothermal Energy	Arthur Kney
Angela Vavassis	Concordia University	Psychology	The Evolutionary Significance of Vertical Visual Field Asymmetries in a Human and Rat Model	Michael von Grünau

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Roberto Velarde	University of Texas at El Paso	Tectonics/ Geophysics	Radionuclide Transport and Varying Mineral Characteristics in Dust Particles (Mineral Aerosols) on African, Asian and North American Soil	Thomas Gill
Jessica Welker	Pennsylvania State University	Cell Biology/ Biochemistry	Examination of Phospho-ERK in Osteoblasts in the Presence of Bone Metastatic Breast Cancer Conditioned Medium	Andrea Mastro
John Wendler	Southern Illinois University- Edwardsville	Ecology	Morphology, Performance, and Fitness in the Southern Flying Squirrel (<i>Glaucomys volans</i>)	Richard Essner
Isaac Westfield	Baylor University	Paleontology/ Sedimentation	Sedimentation Fingerprinting on Pear Tree Bottom Reef, Jamaica Through Unstable Strontium Isotope Geochemistry	Rena Bonem
Paul White	Kansas State University	Ecology	Nanoparticle Impacts on Soil Biological Properties	Charles Rice
Jessica Wierdsma	McMaster University	Petrology/ Geochemistry	Stable Hydrogen and Oxygen Isotopes in Plant Fragments from Shasta Ground Sloth faeces, Rampart Cave, Arizona	Darren Gröcke
Travis Wilcoxon	University of Memphis	Physiology/ Functional Morphology	Changes in Endocrine Function with Age and Reproductive Senescence in the Threatened Florida Scrub-Jay (<i>Aphelocoma coerulescens</i>)	Stephan Schoech
Peter Yeomans	Drexel University	Psychology	The Effect of Posttraumatic Stress Disorder Psychoeducation on the Nature and Severity of Traumatic Stress Symptoms in a Burundian sample	Evan Forman
Hongwei Zhao	Shenyang Pharmaceutical University	Cell Biology/ Biochemistry	The Proteomic Study of Arabidopsis Cleavage and Polyadenylation Specificity Factors	Qingshun Li