

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
Albert Einstein College of Medicine	Cell Biology/ Biochemistry	Catalytic Mechanism of Indoleamine 2,3- Dioxygenase	Benjamin Samelson- Jones	Syun-Ru Yeh
Appalachian State University	Conservation Biology	Crustacean Autotomy and Energy Allocation in the Caribbean Spiny Lobster (<i>Panulirus argus</i> , <i>Latreille</i>): a Case Study in Conservation Physiology	Kirk Kornegay	Shea Tuberty
Appalachian State University	Ecology	Increased Nitrogen Deposition and the Green Algal Lichen <i>Umbilicaria mammulata</i> : too Much of a Good Thing?	Fern Perkins	Howard Neufeld
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.	Thomas Doggett	Ronald Greeley
Arizona State University	Ecology	Mechanisms of Disease Transmission Directly Influence Host Persistence or Extinction.	Amy Greer	James Collins
Arizona State University	Anthropology	Taphonomy and Zooarchaeology of Pech de l'Azé IV, France	Jamie Hodgkins	Kaye Reed
Auburn University	Petrology/ Geochemistry	Petrographic Investigation of Drillcores Eyreville A and Eyreville B: Chesapeake Bay Impact Structure, Virginia	Jennifer Glidewell	David King
Australian National University	Conservation Biology	The Ecology and Conservation of the Fijian Crested Iguana (<i>Brachylophus vitiensis</i>)	Suzanne Morrison	Scott Keogh
Baylor University	Tectonics/ Geophysics	Linking Onshore and Offshore Data to Find Seismogenic Faults Along the Eastern Malibu Coastline	Mark Millard	Vincent Cronin
Baylor University	Paleontology/ Sedimentation	Sedimentation Fingerprinting on Pear Tree Bottom Reef, Jamaica Through Unstable Strontium Isotope Geochemistry	Isaac Westfield	Rena Bonem
Ben-Gurion University of the Negev	Ecology	Understanding Predator-prey Interactions Using a Game Theoretic Approach	Shomen Mukherjee	Burt Kotler
California State University- Long Beach	Behavioral Ecology	Visual Acuity, Visual Field and Foraging Ecology of the Black Phoebe (<i>Sayornis nigricans</i>)	Megan Gall	Esteban Fernandez- Juricic
California State University- Northridge	Conservation Biology	Geographic Trends in Photolyase Activity and the Sublethal Effects of UV-B Exposure in the Andean Toad	Christine Bruno	Robert Espinoza
California State University- Northridge	Ecology	Differential Gene Expression in the Life History of <i>Mastocarpus papillatus</i>	Stacy Krueger	Steven Dudgeon
Carroll College	Physiology/ Functional Morphology	The Role of Voltage-Gated Calcium Channels in the Beneficial Effects of Electrical Stimulation on Wound Healing	Elizabeth Trampe	Julie Rapps

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/University	Subject	Title	Student	Mentor
Center for Pharmacological and Botanical Studies	Cell Biology/Biochemistry	Cyrcadian Rythms in glaucoma	Maria Moreno Arbeleche	Ruth Rosenstein
Central Michigan University	Behavioral Ecology	Habitat Use By Reintroduced American Marten In Hardwood Dominated Forest	Clay Buchanan	Bradley Swanson
Central Michigan University	Conservation Biology	The Ecology of LeConte's Sparrows at Munuscong Bay	Lena Usyk	Michael Hamas
Concordia University	Chemistry	Force Spectroscopy Study of Chitosan	Marta Kocun	Louis Cuccia
Concordia University	Psychology	The Evolutionary Significance of Vertical Visual Field Asymmetries in a Human and Rat Model	Angela Vavassis	Michael von Grünau
Consejo de Investigaciones Cientificas y TTcnicas	Behavioral Ecology	Diet and habitat Selection in a Vicuña Population in Salta Province, Argentina	Maria Mosca Torres	Silvia Puig
Cornell University	Behavioral Ecology	Behavioral Mechanisms that Affect Paternity in the Tropical Mockingbird (<i>Mimus gilvus</i>)	Carlos Botero	Sandra Verhencamp
Cornell University	Systematics/Evolutionary Biology	Earliest Representatives of the Asteridae in the Fossil Record	Marcela Martinez Millan	William Crepet
Cornell University	Ecology	Investigating the Use of Foliar d15N Signatures as Indicators of Atmospheric Nitrogen Dioxide Pollution in Red Maple (<i>Acer rubrum</i>)	Dena Vallano	Jed Sparks
Dartmouth College	Ecology	Bumblebee Pollinator Response to Floral Resource Availability	Susan Elliott	Rebecca Irwin
Drexel University	Engineering	Manufacturing of Drug Nano-dispersions and Nano-particles by Mechanochemical Synthesis.	Adarsh Sagar	Yury Gogotsi
Drexel University	Psychology	The Effect of Posttraumatic Stress Disorder Psychoeducation on the Nature and Severity of Traumatic Stress Symptoms in a Burundian sample	Peter Yeomans	Evan Forman
Duke University	Behavioral Ecology	Sexual Selection in Females: are Baboon Sex Skin Swellings a Sexually Selected Trait?	Courtney Fitzpatrick	Susan Alberts
Duke University	Chemistry	Modeling Chiroptical Properties of Biomolecules and Natural Products in Solution	Parag Mukhopadhyay	David Beratan
Duke University	Psychology	The Intergenerational Transmission and "Moralization" of Appearance and Achievement Values and Their Influence on Children's Contingencies of Self-Worth	Nicole Quinlan	Philip Costanzo
Emory University	Cell Biology/Biochemistry	Regulation of Synaptic Vesicle Protein Turnover by Novel Lysosomal Transport Mechanism	Karen Newell-Litwa	Victor Faundez
Florida Atlantic University	Anthropology	Craniofacial Form and Temporalis Configuration in Middle Pleistocene Hominids	Lynn Lucas	Robert McCarthy

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
Florida Institute of Technology	Physiology/ Functional Morphology	Infrared vs. Visual Imaging: The striking Behavior of Pit Vipers and Pythons	Ryan King	Michael Grace
George Mason University	Psychology	Hippocampal Deficits Due to Elevated Zinc Consumption Assessed by the Trace Fear Conditioning Task.	Teresa Micheli	Jane Finn
George Washington University	Chemistry	Exploring and Manipulating Lanthanide Luminescence in Metal-Organic Framework Materials	Daniel de Lill	Christopher Cahill
Georgetown University	Behavioral Ecology	A web of Intrigue: Factors Influencing Prey Preferences of Spider-hunting Wasps	Divya Uma	Martha Weiss
Illinois Institute of Technology	Engineering	Investigation of Retinal Hemodynamic Changes in Diabetic Animal Model	Sanja Benac	Jennifer Kang Derwent
Illinois Institute of Technology	Chemistry	Novel Potential Photosensitizers for Anti-Cancer Photodynamic Therapy: the Synergy Effect of Boron and Silicon Phthalocyanines with Nucleobases Substituents	Chi Hang Lee	Peter Lykos
Illinois State University	Hydrology/ Geomorphology	Sediment Abrasion vs. Solution in the Evolution of Karst Conduits	Kevin Hughes	Eric Peterson
Illinois State University	Physiology/ Functional Morphology	Effects of Citalopram or Duloxetine on Morphine-induced Immunosuppression	Thao Nguyen	Laura Vogel
Indiana State University	Cell Biology/ Biochemistry	Effectiveness of Idiotype-adjuvant Conjugate Vaccine against a B Cell Lymphoma	Lavakumar Karyampudi	Swapan Gosh
Indiana University Bloomington	Behavioral Ecology	Genetic Analysis of Floridian Lined Seahorses (<i>Hippocampus erectus</i>)	Jennifer Akst	Michael Wade
Indiana University Bloomington	Ecology	Floral Scent Dimorphism in the Dioecious Plant <i>Silene latifolia</i>	Amanda Brothers	Lynda Delph
Indiana University Bloomington	Physics/ Astronomy	Abundances in the Super-Metal Rich Cluster NGC 6253	Kevin Croxall	Constantine Deliyannis
Indiana University Bloomington	Physics/ Astronomy	Oxygen Abundances of Star Clusters in the Galactic Disk	Ryan Maderak	Constantine Deliyannis
Indiana University Bloomington	Physics/ Astronomy	Studies of a Pyroelectric Crystal to Develop a Table-top Neutron Source	Gregory Pauley	Richard van Kooten
Kansas State University	Ecology	Nanoparticle Impacts on Soil Biological Properties	Paul White	Charles Rice
Lafayette College	Engineering	In-Situ Enhanced Steam Remediation Using Geothermal Energy	Lee Vanzler	Arthur Kney
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	April Sjoboen	Stephen Dunbar

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
Louisiana State University-Baton Rouge	Behavioral Ecology	When Neighbors are Useful: Conspecific Attraction During Different Stages of Passalid Beetle Dispersal	Heather Jackson	James Cronin
Manhattan College	Engineering	Hydrogen Generation via Sodium Borohydride	Steve Carrea	Nada Assaf-Anid
McGill University	Anthropology	Do Forest Edges Facilitate Parasite Transmission from Humans to Non-human Primates?	Stacey Hodder	Colin Chapman
McGill University	Chemistry	Size and Shape Characterization of Self-assembled Polymer Nanotubes Towards Developing Controlled Polymerization Templates	Thomas Lazzara	Michael Whitehead
McMaster University	Paleontology/ Sedimentation	Thecamoebians and Foraminifera as a Paleoenvironmental Tool in the Subterranean Flooded Cave Systems of Quintana Roo, Mexico	Peter van Hengstum	Eduard Reinhardt
McMaster University	Petrology/ Geochemistry	Stable Hydrogen and Oxygen Isotopes in Plant Fragments from Shasta Ground Sloth faeces, Rampart Cave, Arizona	Jessica Wierdsma	Darren Gröcke
Miami University Ohio	Physiology/ Functional Morphology	Does Social Rank Formation Influence Neurogenesis?	Kaushik Ghosal	Kathleen Killian
Miami University Ohio	Cell Biology/ Biochemistry	Elevated NF- κ B as a Compensatory Mechanism for Maintenance of Indoleamine Dioxygenase Activation in Chlamydia-Infected Cells	Jason Hayes	Joseph Carlin
Miami University Ohio	Cell Biology/ Biochemistry	Mechanism of Pro-inflammatory Cytokine Induction Following Chlamydia trachomatis-THP-1 Cell Interaction	Jooyong Jung	Joseph Carlin
Michigan State University	Behavioral Ecology	Avian Foraging Behavior in Forest Restoration Sites in Southwestern Costa Rica.	Emily Morrison	Catherine Lindell
Michigan State University	Behavioral Ecology	Ontogenetic and Behavioral Influences on Diet in the Spotted Hyena (<i>Crocuta crocuta</i>)	Jaime Tanner	Kay Holekamp
Middlebury College	Cell Biology/ Biochemistry	The Effect of Testosterone on Hippocampal Neurogenesis and Spatial Memory in Adult Male Rats	Emily Daviau	Mark Spritzer
Middlebury College	Cell Biology/ Biochemistry	Characterizing Putative Intermediaries of Streptococcus Mutans SloR Metalloregulation.	Lindsey Seldin	Grace Spatafora
Moss Landing Marine Laboratories	Ecology	Application of rDNA ITS Sequence Analysis to Assess Inter- and Intraspecific Diversity in /Pseudo-nitzschia/ Communities in Monterey Bay, CA	Kendra Hayashi	G. J. Smith
Mount Holyoke College	Cell Biology/ Biochemistry	Identifying Binding Sites for the betaFTZ-F1 Protein in the E93 Gene of Drosophila melanogaster	Antonina Kruppa	Craig Woodard
Murray State University	Ecology	The Effect of Predator Presence on the Early Developmental Stages of the Mole Salamander Ambystoma talpoidum.	Kristen Landolt	Howard Whiteman
New Mexico State University	Ecology	Biochemical Defense in the Checkerspot Butterfly Euphydryas anicia cloudcrofti (<i>Lepidoptera: Nymphalidae</i>).	Rachael Ryan	Brook Milligan

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
New Mexico State University	Ecology	Relating Fish Abundance and Condition to Environmental Factors in Desert Sinkholes	Kristin Swaim	Wiebke Boeing
New York University	Anthropology	Evolutionary History of the Toll-like Receptor 7 Locus in Primates	Kirstin Sterner	Todd Disotell
North Carolina State University	Physiology/ Functional Morphology	Calcium Responses in Perisynaptic Schwann Cells at the Aged Mouse Neuromuscular Junction	Bradley Hollidge	Jane Lubischer
North Carolina State University	Physics/ Astronomy	Detecting Rotator Phase Dynamics in Monolayer Silane Films	Mary Scott	Laura Clarke
Ohio State University	Engineering	Optimizing Electricity Generation and Wastewater Treatment in Small-Scale Digesters	Stephanie Lansing	Jay Martin
Ohio State University	Anthropology	Socio-political Destabilization and Women's Health: the Bioarchaeology of Roman and Merovingian Gaul	Erica Tyler	Clark Larsen
Ohio University	Paleontology/ Sedimentation	Heads as Sediment Sorters: An Actualistic, CT-based Study in Taphonomy	Joseph Daniel	Lawrence Witmer
Oregon State University	Ecology	The Relative Effects of Livestock Grazing Intensity on Consumer versus Resource Regulation of Grassland Bird Populations.	Tracey Johnson	Patricia Kennedy
Pennsylvania State University	Ecology	Comparative Microbial Genomics of Two Extreme Environments	Daniel Jones	Jennifer Macalady
Pennsylvania State University	Physics/ Astronomy	Probing Cold Clouds in Damped Lyman-alpha Absorbers	Anand Narayanan	Jane Charlton
Pennsylvania State University	Physics/ Astronomy	An image study of Black Hole - Host galaxy relationships in Broad-Line Active Galactic Nuclei	Jiajian Shen	Donald Schneider
Pennsylvania State University	Cell Biology/ Biochemistry	Examination of Phospho-ERK in Osteoblasts in the Presence of Bone Metastatic Breast Cancer Conditioned Medium	Jessica Welker	Andrea Mastro
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?	Rachel Stevens	Robert Gaines
Queens College of The City University of New York	Chemistry	Hydrophobically Driven Conformational Switching in Squaramides	Jorge Ubillus	Rajeev Muthyala
Rutgers, The State University of New Jersey	Engineering	Analysis of Flow Patterns Resulting from Cephalopod Locomotion	Rebecca Kowalczyk	Francisco Diez-Garias
Rutgers, The State University of New Jersey	Engineering	Stereo PIV Measurement In Particle Laden Jets	Philip Vanderwerker	Francisco Diez-Garias

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
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>)	Mary Agnew	Shawn Nordell
Saint Mary's College	Psychology	Cognitive Deficits Following an Escalating Dose of Methamphetamine	Casimira Ruiz	Anne Marie Brady
Sam Houston State University	Paleontology/ Sedimentation	Excavation and Analysis of the Small Mammal Fauna from the Virginia Railway Cut Site, Free State, South Africa	Alicia Kennedy	Patrick Lewis
Sam Houston State University	Ecology	Thermal Preferences of Bark Scorpions in Heterogenous Environment.	Eryn Pendley	Matthew Rowe
San Francisco State University	Petrology/ Geochemistry	Investigation of Possible Graphite Pseudomorphs after Diamond from the South Ural Mountains, Russia, using Multiple Techniques	Molly Cornell	Mary Leech
San Francisco State University	Tectonics/ Geophysics	Evaluation of the Mid-crustal "channel Flow" Model in Relation to Gneiss Dome Processes	Robert Sas	Mary Leech
Shenyang Pharmaceutica I University	Cell Biology/ Biochemistry	The Proteomic Study of Arabidopsis Cleavage and Polyadenylation Specificity Factors	Hongwei Zhao	Qingshun Li
Southern Connecticut State University	Cell Biology/ Biochemistry	Investigation of Ubiquitination and Phosphorylation on the Function and Localization of the G1 cyclin Cln2.	Norbert Tavares	Nicholas Edgington
Southern Illinois University- Edwardsville	Ecology	Morphology, Performance, and Fitness in the Southern Flying Squirrel (<i>Glaucomys volans</i>)	John Wendler	Richard Essner
Southern Oregon University	Hydrology/ Geomorphology	Retrieving Recent Environmental Records from Contamination Trends in Dam Trapped Sediments, Gold Ray Dam, Oregon.	Elizabeth Carrington	William Elliott
Southern Oregon University	Chemistry	Metal Leaching and Acid Mine Drainage at the Blue Ledge Mine, Siskiyou County, California	Jara Johnson	William Elliott
St. Mary's College of Maryland	Psychology	The Behavioral Effects of Diazepam in the Locus Coeruleus on Anxiety	Jacquelyn McGill	Anne Marie Brady
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	Chelsea Reid	Anne Marie Brady
Stanford University	Ecology	Effect of Terrestrial Mammals on Tropical Plant Functional Composition and Community Assembly	Erin Kurten	G.F. Warren
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	Sarah McMenamin	Elizabeth Hadly

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
State University of New York at Stony Brook	Anthropology	Female Reproductive Competition in the Sanje Mangabey (<i>Cercocebus sanjei</i>)	David Fernandez Sobrado	Diane Doran-Sheehy
Temple University	Psychology	Patterns of Acculturation and Resilience within the Asian-Indian Diaspora	Neha Navsaria	Portia Hunt
Texas State University-San Marcos	Behavioral Ecology	Unisexual-sexual Mating Systems: Is Male Fitness Influenced by the Frequency of Unisexual Heterospecific Females?	Laura Alberici da Barbiano	Caitlin Gabor
Texas Tech University	Physics/ Astronomy	Substructure in the Galactic Halo	Kenneth Carrell	Ronald Wilhelm
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	Sharmila Pathikonda	Susan Mopper
Towson University	Ecology	Evaluating Peccary Wallows as Dry Season Breeding Habitat for Anurans.	Melissa Cameron	Herald Beck
Truman State University	Physics/ Astronomy	Infrared Photometry of Mira-type Variable Stars	Oleksiy Golovin	Matthew Beaky
Tufts University	Ecology	Evaluating the Hildén Model of Habitat Selection: New Ways to Test an Important Idea	Brian Tavernia	J.M. Reed
Tulane University	Ecology	Helping Seedlings Help Themselves: Improving Tropical Reforestation Through Chemical Ecology	Tara Massad	Lee Dyer
Universidad de Puerto Rico en Mayaguez	Ecology	Genetic Variation and Phenotypic Placity of the Gorgonian <i>Plexaura flexuosa</i> in Puerto Rico	Carlos Prada	Paul Yoshioka
Universidad de Puerto Rico en San Juan	Systematics/ Evolutionary Biology	Taxonomic Review and affinities of the Puerto Rican Spiny Rats (<i>Rodentia, Echimyidae, Heteropsomyinae</i>)	Alexandra Herrera-Martinez	J.P. Thomas
Universidad Nacional de Mar del Plata	Conservation Biology	Genetic and Morphological Adaptations in birds of South American Tidal Marshes: Convergence with Eastern North America?	Daniel Cardoni	Russell Greenberg
University of Alabama at Tuscaloosa	Ecology	Influences of Underlying Bedrock on Sedimentary Microbial Community Structure in Forested Streams	Jennifer Mosher	Robert Findlay
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>)	Hayley Lanier	Link Olson
University of British Columbia	Physiology/ Functional Morphology	The Contributions of Growth Hormone to Muscle Physiology in Transgenic Salmon.	Peter Dimoulas	Robert Shadwick
University of Calgary	Behavioral Ecology	Olfactory Signaling and Urine Washing in White-faced Capuchins, <i>Cebus capucinus</i> .	Fernando Campos	Linda Fedigan
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.	Shikha Gupta	Lisa Pruitt
University of California-Davis	Anthropology	Customs and Informal Institutions in Beijing's Vegetable Markets: An Ethnographic Account of Prosociality	Carl McCabe	Bruce Winterhalder

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
University of California-Irvine	Systematics/ Evolutionary Biology	Functional Diversification of Duplicate Blue Opsins in Lycaenid Butterflies	Marilou Sison-Mangus	Adriana Briscoe
University of California-Irvine	Physiology/ Functional Morphology	Fluid Dynamics of Gill Ventilation in the Teleost Fish <i>Fundulus heteroclitus</i>	James Strother	Matthew McHenry
University of California-Los Angeles	Physiology/ Functional Morphology	The Peripheral Basis of Ultrasound Sensitivity in a Chinese Frog.	Victoria Arch	Peter Narins
University of California-Los Angeles	Psychology	Building Relationships at School: An Intervention to Improve Early Teacher-Student Relationships for Children with Externalizing Behavior Problems	Abbey Eisenhower	Bruce Baker
University of California-Riverside	Cell Biology/ Biochemistry	Over-expression of HNF4alpha Regulates Cell Cycle	Wendy Hwang-Verslues	Frances Sladek
University of California-Riverside	Cell Biology/ Biochemistry	Linoleic Acid is the Endogenous Ligand for the Nuclear Receptor Hepatocyte Nuclear Factor 4 (HNF4) alpha	Tuong Ta	Frances Sladek
University of California-San Francisco	Engineering	PEGylation of UHMWPE to Improve Lubrication and Early Wear Behavior of Total Hip Replacements	Sheryl Kane	Angela Koehler
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>)	John Sliveus	Mark Carr
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.	Geertrui Spaepen	Martha McClintock
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	Byron Adams	Craig Dietsch
University of Cincinnati	Petrology/ Geochemistry	Dynamics of Crystallization and Cooling in a Dike of the Umatilla Member of the Columbia River Basalt Group	Tracy Brockman	Warren Huff
University of Connecticut	Ecology	Ontogenetic Effects of Hatching Plasticity in Spotted Salamanders due to Larval and Egg Predators	Leah Brown-Wilusz	Kurt Schwenk
University of Connecticut	Cell Biology/ Biochemistry	Neurotransmitter Regulation of Stem Cells in the Elderly Mouse Brain	Ryan Notti	Joanne Conover
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	Allison Rexroth	Lawrence Conyers
University of Durham	Anthropology	Inuit Women's Entry into the Labour Market and its Effects on Intra-household Relations	Mathilde Matthijsse	Andrew Russell

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
University of Florida	Physiology/ Functional Morphology	The Evolution and Function of Cyclooxygenase in Ancestral Chordates	Justin Havird	David Evans
University of Florida	Physics/ Astronomy	Quasar Metallicities and Host Galaxy Evolution	Leah Simon	Frederick Hamann
University of Florida	Behavioral Ecology	Variation in Male Mating Success: the Role of Male Accessory Glands in Sperm Competition	Matthew Smith	H.J. Brockmann
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	David Dawkins	Michael Azain
University of Georgia	Physiology/ Functional Morphology	Determining the Stomatal Contribution to Nighttime Water loss in Two Populus species.	Ava Howard	Lisa Donovan
University of Georgia	Systematics/ Evolutionary Biology	Immune Function and Temperature in <i>D. melanogaster</i>	Jodell Linder	Daniel Promislow
University of Illinois at Chicago	Conservation Biology	Conservation and Habitat Requirements of the Sykes Monkey (<i>Cercopithecus albogularis erythrarchus</i>)	Sara Emerson	Joel Brown
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	Dinesh Shukla	Glenn Stebbins
University of Illinois at Springfield	Ecology	Extension of Phosphate Cycling in Freshwater: Identification of Bacterial Species that Cycle Organophosphates	Sara Paver	Michael Lemke
University of Illinois at Urbana-Champaign	Ecology	The Effects of Habitat Degradation on the Gastrointestinal Parasites of Slider Turtles (<i>Trachemys scripta</i>)	Anne Readell	Christopher Phillips
University of Kentucky	Anthropology	Identifying Frontier Chiefdoms Archaeologically at the Edge of the Mississippian World	Maureen Meyers	Richard Jeffries
University of Kentucky	Physiology/ Functional Morphology	The Effects of P2Y12 Polymorphisms on Platelet Receptor Density and Activation	Julie Oestreich	Wendell Akers
University of Lethbridge	Psychology	Testing the Kin Selection Hypothesis for Male Homosexuality in Independent Samoa	Doug VanderLaan	Paul Vasey
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>)	Eric Pante	Scott France
University of Louisville	Behavioral Ecology	Does Dietary Color Change Affect Flower Color Preference in the Juvenile Crab Spider <i>Misumenops asperatus</i> ?	Chadwick Hanna	Perri Eason
University of Massachusetts Amherst	Anthropology	Radiocarbon Dating of Archaeological Features at the Area D Site, Deerfield, Massachusetts	Siobhan Hart	Elizabeth Chilton

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
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>)	Travis Wilcoxon	Stephan Schoech
University of Miami	Behavioral Ecology	Evolution of Mating-related Communication of Crocodylians (order <i>Crocodylia</i>)	Vladimir Dinets	Steven Green
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	Floria Mora Kepfer	Keith Waddington
University of Minnesota, Twin Cities	Systematics/ Evolutionary Biology	Molecular Evolution in Vision Genes and the Multiple Origins of Diurnality in Geckos	Anthony Gamble	G.F. Warren
University of Minnesota, Twin Cities	Ecology	Geographic and Adaptive Consequences of Climate Warming on Douglas-fir	Paul Gugger	Shinya Sugita
University of Missouri-St. Louis	Ecology	Role of Pollinators in Maintaining Local Diversity of <i>Chamaecrista desvauxii</i> (<i>Leguminosae</i>)	Beatriz Baker-Méio	Robert Marquis
University of Missouri-St. Louis	Ecology	Within-clutch Variation of Yolk Androgens in the Eastern Screech Owl (<i>Megascops asio</i>)	Corinne Kozlowski	Robert Ricklefs
University of Nairobi	Petrology/ Geochemistry	Gold Enrichment Evolution in a Granitic Pluton: Insights from Rostermann Mine, Kakamega Gold Field, Kenya	Lemmi Muia	Williams K. Biwott
University of New Brunswick	Psychology	Graphical Perception and Learning: A Physiological and Behavioral Examination of Graphical Processing	Aren Hunter	Lisa Best
University of North Carolina at Chapel Hill	Ecology	Ecological Correlates of Hybridization in Spadefoot Toads	Amanda Chunco	Karen Pfennig
University of North Carolina at Chapel Hill	Ecology	Identifying Mechanisms Causing Janzen-Connell Effects in Southeastern Temperate Forests	Lee Jacobs	Robert Peet
University of North Carolina at Chapel Hill	Systematics/ Evolutionary Biology	Developmental Basis of Resource Polyphenism	Cristina Ledon-Rettig	David Pfennig
University of North Carolina at Wilmington	Physiology/ Functional Morphology	Tail-flipping in Crustaceans: a Model for Muscle Metabolic Design.	Ana Jimenez	Stephen Kinsey
University of Notre Dame	Ecology	Effects of Exotic Earthworms (<i>Lumbricidae</i>) on Nutrient Dynamics in linked Terrestrial-aquatic Ecosystems	David Costello	Gary Lamberti
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	Timothy Hoellein	Jennifer Tank
University of Oregon	Ecology	Game Theory Challenged; the Testing of new Territoriality Models Using <i>Lottia gigantea</i>	Stephanie Schroeder	Alan Shanks

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
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>	Josh Auld	Rick Relyea
University of Pittsburgh	Psychology	Cognitive Consequences of Biliteracy - Effects of Reading Direction on Flexibility of Visual Attention	Tamar Degani	Natasha Tokowicz
University of South Florida	Petrology/ Geochemistry	Reconstruction of Past Climate Changes Using ice in Caves as Source of Paleoclimatic Data	Aurel Persoiu Tiritu	Bogdan Onac
University of Southern Mississippi	Anthropology	DNA Testing of the Moran Site (22HR511)	Tiffany Hensley	Marie Danforth
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.	David Gaines	Gregory Baker
University of Tennessee-Knoxville	Tectonics/ Geophysics	Geophysical and Geochemical Analysis of Lacustrine Records for Determining Arctic Warmth Through Multiple Interglacial Periods	Megan Loudermilk	Gregory Baker
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	Cara Mulcahy	Linda Kah
University of Texas at Austin	Engineering	Novel Proteolysis Chip Technology for Studying Cell Migration with Matrix Metalloproteases in Collagen Matrix	Brittany Bradshaw	Muhammad Zaman
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	Roberto Velarde	Thomas Gill
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>	Deborah Jones	Beverly Kramer
University of Utah	Ecology	Diversity and Ecological Interactions of Fungal Endophytes in Tropical Grasses	Katherine Higgins	Phyllis Coley
University of Virginia	Physiology/ Functional Morphology	Olfactory Learning: Analysis of Cortical Neurons During Acquisition of an Olfactory Task	Jennifer Eudy	Kurt Illig
University of Virginia	Physics/ Astronomy	Exploring the Stellar Halo of the Large Magellanic Cloud	David Nidever	Steven Majewski
University of Wisconsin-Madison	Cell Biology/ Biochemistry	Mechanism of Transforming Growth Factor- β Activation by Influenza Neuraminidase	Christina Carlson	Stacey Schultz-Cherry
University of Wisconsin-Madison	Hydrology/ Geomorphology	Determining the Source of Groundwater in a Riparian Floodplain using Oxygen-18 and Deuterium Isotopes	Laura Craig	Jean Bahr
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	Kevin O'Brien	Stacey Schultz-Cherry

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
University of Wisconsin-Milwaukee	Psychology	The Effects of Dexamethasone on Capillary Density in the Rodent	Todd Peterson	Rodney Swain
Villanova University	Systematics/ Evolutionary Biology	Genetic diversity in the sibling species <i>Transennella tantilla</i> and <i>T. confusa</i>	Lillian Bloch	Michael Russell
Virginia Polytechnic Institute and State University	Conservation Biology	The Maoists insurgency and conservation in Nepal	Nabin Baral	Marc Stern
Virginia Polytechnic Institute and State University	Cell Biology/ Biochemistry	Developmental Pathways Involved in Resistance to Genotoxic Stress During Early Embryogenesis	Karen Drahos	Carla Finkelstein
Virginia Polytechnic Institute and State University	Cell Biology/ Biochemistry	Role of Circadian Proteins in Tumor Suppression	Kevin Kim	Carla Finkelstein
Virginia Polytechnic Institute and State University	Ecology	Analysis of C stability across an N loading gradient in the Appalachian Mountains	Philip Taylor	H.M. Valett
Wake Forest University	Ecology	Sex-specific Post-fledging Survival in a Male Biased Population of the Reverse Sexual Size Dimorphic Seabird, Nazca booby	Teresa Maness	David Anderson
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.	Justin Murphy	Anthony Watkinson
Washington University in St. Louis	Hydrology/ Geomorphology	Sedimentology, Geomorphology and Paleoenvironmental Interpretation of Artifact-Bearing Spring Mounds in Dakhleh Oasis, Western Desert, Egypt	Katherine Adelsberger	Jennifer Smith
Washington University in St. Louis	Anthropology	Comparative Analysis of the Makapansgat Hominins	Tafline Crawford	Glenn Conroy
Wayne State University	Systematics/ Evolutionary Biology	Evolution of Primate Regulatory Regions: A Comparative Genomic Analysis of LDHA and LDHB	Zachary Papper	Morris Goodman
Wesleyan University	Physics/ Astronomy	Testing the Disk-locking Theory of T Tauri stars in IC348; and Photometric Observations of the Eclipsing Binary System KH15D	Christine Simpson	William Herbst
Western Michigan University	Physiology/ Functional Morphology	The role of Acetylcholine (ACh) in Preconditioning-induced Neuroprotection of Retinal Ganglion Cells (RGCs)	Daniel Kueh	Cindy Linn

Grants from the October 15, 2006 Deadline

Alphabetical by Institution

College/ University	Subject	Title	Student	Mentor
Western Washington University	Petrology/ Geochemistry	Generation and Geochemistry of late Pleistocene andesite lava flows, Mt. Baker, WA	Troy Baggerman	Susan DeBari
Widener University	Cell Biology/ Biochemistry	The Effects of Atrazine on Cytochrome P450 Activity in Rana Pipiens	Betsy Mathew	Frances Weaver
Williams College	Ecology	Resistance to A-amanitin in the Drosophila quinaria Species Group	Sara Jablonski	Jason Wilder
Williams College	Systematics/ Evolutionary Biology	Linkage Disequilibrium Analysis of Southeast Asian ovalocytosis in Indonesians	Elizabeth Preston	Jason Wilder
Worcester Polytechnic Institute	Physics/ Astronomy	Improved Direct Force Balance Method for Lateral Force Calibration	Keeley Stevens	Nancy Burnham