

Grants-in-Aid of Research Awards
March 15, 2011 Grant Cycle

Alphabetical by Recipient's Name

Angel A. Alvarez	Cell Biology/Biochemistry	University of Alabama at Birmingham	The role of NFKBIA in regulating glioblastoma-derived stem cell
Christopher V. Anderson	Physiology/Functional Morphology	University of South Florida	Spring-loaded movements in an ecological context: contrasting thermal effects in chameleons along seasonal temperature gradients
Lina M. Arcila Hernandez	Ecology	University of Toronto	Dietary implications of interactions between ants and endosymbionts
David W. Armitage	Ecology	University of California-Berkeley	Functional aspects of the inquiline food webs of carnivorous pitcher plants
Emily J. Artz	Behavioral Ecology	Iowa State University	Effects of seed dispersal in shed bison hair on seed predation by granivores
James Ayrer	Tectonics/Geophysics	University of South Florida	Constraining Active Tectonics and Faulting in Western Armenia using Geophysical and Geomorphological Techniques
Nicholas Ballew	Behavioral Ecology	Michigan State University	Personality variation in largemouth bass and its ecological consequences
Ying Bao	Chemistry	University of South Dakota	Density dependent plasmonic properties of gold nanorod thin films
Karla Y. Barbosa-Sabanero	Cell Biology/Biochemistry	Miami University Ohio	Canonical Shh signaling: A Key for Retina Regeneration
Elizabeth J. Beckman	Systematics/Evolutionary Biology	University of New Mexico	Gene Flow & Phylogenetic History in a Rapid Continental Radiation: the South American Siskins.
Christine N. Bedore	Physiology/Functional Morphology	Florida Atlantic University	Visual temporal resolution in batoid elasmobranchs
Amos Belmaker	Behavioral Ecology	Cornell University	Expected Longevity and Behavioral Syndromes in <i>Tachycineta bicolor</i>
Alexandra B. Bentz	Behavioral Ecology	Appalachian State University	Effects of social aggression on Tree Swallow (<i>Tachycineta bicolor</i>) offspring behavior and physiology

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Tamar R. Berger	Cell Biology/Biochemistry	Thomas Jefferson University	Profiling polyglutamine-expanded AR aggregates in spinal and bulbar muscular atrophy
Priyanka Bhattacharya	Physics/Astronomy	Clemson University	Investigating the Physico-chemical Properties of a Novel Tris-Dendrimer for Environmental Applications
Deborah J. Bird	Physiology/Functional Morphology	University of California-Los Angeles	Does Cribriform Morphology Predict Olfactory Function
Nicholas Block	Systematics/Evolutionary Biology	University of Chicago	Exploring a novel scenario of cryptic diversity in an endemic Malagasy passerine
Scott A. Blumenthal	Anthropology	The Graduate Center, The City University of New York	High resolution tooth enamel sampling using secondary ion mass spectrometry to recover short-term isotope shifts: implications for reconstructing paleoseasonality
Josephine Bones	Engineering	Montana State University-Bozeman	Determining the effectiveness of explosives for avalanche control: experiential and analytical modeling
Edna C. Bonilla	Cell Biology/Biochemistry	Universidad de los Andes	Axon guidance in <i>Boninia divae</i> and its association with neuroregeneration
Meilani Bowman-Kamaha'o	Tectonics/Geophysics	Central Washington University	Extrusion as a mechanism for dome emplacement, Himalayan orogen: $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology studies in Gianbul Dome, NW India
Simran K. Brar	Cell Biology/Biochemistry	University of Wisconsin-Madison	Understanding how the N296H bestrophin mutation contributes to the development of Best's Disease mechanisms due to cytoplasmic point mutation
Adrienne Bryan	Anthropology	Stanford University	The Politics of a Sacred Landscape: A Study of the Inca Ceque System
Heather M. Bryner	Physiology/Functional Morphology	Miami University Ohio	Immune Regulation of Adult Neurogenesis

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Sophia Callander	Behavioral Ecology	Australian National University	Keep your enemies close: can your neighbours affect your attractiveness?
Salvatore Campione	Engineering	University of California-Irvine	Use of collective resonances in arrays of plasmonic nanospheres with active gain materials for spectroscopy and imaging applications
Jingyi Cao	Cell Biology/Biochemistry	Miami University Ohio	Establishment of a Protocol for Collecting Cell-type Specific Poly (A) Sites in Arabidopsis Roots
Serena A. Caplins	Systematics/Evolutionary Biology	Virginia Commonwealth University	Species Delimitation in Ribbon Worms of the Genus Nemertopsis (Nemertea, Hoplonemertea)
Elizabeth D. Carlton	Behavioral Ecology	Indiana University - Bloomington	The Immunocompetence Handicap Hypothesis: Are energetics the missing link?
Matthew J. Cashman	Ecology	Fordham University	Biochemical composition of algal periphyton as affected by light and nutrient availability
Elise L. Chapman	Ecology	University of Alabama at Tuscaloosa	The relationships between nutrient cycling and ecosystem metabolism in the shoals of the Cahaba River, AL.
Tanya E. Cheeke	Ecology	Portland State University	Evaluating the effects of transgenic Bt maize on arbuscular mycorrhizal fungi in the soil ecosystem
Zi Chen	Engineering	Princeton University	On Rapid Motion of the Venus flytrap: Darwin's ""one of the most wonderful plants in the world""
Tracy Compton	Tectonics/Geophysics	University of California-Davis	Discovering offset landforms to build a Holocene slip history along the Mojave section of the San Andreas Fault (MSAF) using ground-based LiDAR and virtual-reality visualization.

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Grant M. Connette	Ecology	University of Missouri-Columbia	Exploring the consequences of behavior in altered landscapes: linking individual survival and population dynamics
Gerardo A. Cordero	Systematics/Evolutionary Biology	Iowa State University	Developmental Genetics and the Evolution of Plastral Kinesis in Turtles
Angela C. Cota	Petrology/Geochemistry	Western Washington University	Evidence for Heat Flow Control in Metamorphic Crystallization in the Bugaboo Aureole, British Columbia
Elise Cowley	Chemistry	Oregon State University	Bioassay Guided Fractionation of a Red Sea Strain of <i>Lyngbya majuscula</i>
Ondi L. Crino	Behavioral Ecology	University of Montana	Developmental stress: physiological and reproductive consequences in the zebra finch
Abigail A. Curtis	Physiology/Functional Morphology	University of California-Los Angeles	Morphological Variation of Frontal Sinuses in Domestic Dogs (<i>Canis familiaris</i>)
Jillian S. Davis	Physiology/Functional Morphology	Ohio University	Feeding Morphology in Frugivorous and Carnivorous Mammals
Jessica DeCandia	Systematics/Evolutionary Biology	Miami University Ohio	Validity of present subspecies classification and degree of genetic differentiation in prairie vole (<i>Microtus ochrogaster</i>) populations.
Paul A. DeSalles	Ecology	Stanford University	Exploring linkages between terrestrial ecology and behavior of the Giant Manta Ray, <i>Manta birostris</i> , at a remote Pacific atoll
Jeffrey C. Dobereiner	Anthropology	Harvard University	Investigating the Role of Alcohol in Ancient Mesoamerican Societies Through Application of Novel Chemical Analytical Techniques
Kathryn Dorst	Engineering	State University of New York at Stony Brook	Surface-Modified Materials Toward the Improvement of Tissue Engineered Substrates for Bone

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Mitchell B. East	Ecology	Missouri State University	DIET OF MACROCHELYS TEMMINCKII AND GRAPTEMYS OUACHITENSIS IN EASTERN OKLAHOMA
Emily K. Elderbrock	Physiology/Functional Morphology	University of Memphis	Long-term effects of increased corticosterone during development of Florida Scrub-Jays
Kyle Elliott	Behavioral Ecology	University of Manitoba	How can wild birds work hard and live long?
Katherine Ennis	Ecology	University of Toledo	Drivers of pattern and change: Does one ant species cause shifts in patterns of ant richness?
Kathleen G. Ferris	Systematics/Evolutionary Biology	Duke University	The adaptive significance of leaf shape in <i>M. laciniatus</i>
Brian P. Ferwerda	Tectonics/Geophysics	University of South Florida	Pre-magmatic Fold Control of Sill Distribution in the San Rafael Volcanic Field, Utah
Erica A. Fishel	Cell Biology/Biochemistry	Washington University in St. Louis	Identification of the Arabidopsis EB1-binding proteins
Tony A. Fitzpatrick	Anthropology	Georgia State University	Secular Change and Novel Methods of Stature Estimation: Research from Modern Skeletal Collections
Alexander J. Forde	Ecology	University of Maryland, College Park	Interactive effects of vertebrate top predators and abiotic resources on productivity and community structure in Caribbean mangrove forests
Megan L. Fork	Ecology	Florida International University	Direct and Indirect Effects of Organic Matter Sources on Denitrification in Florida Rivers
Osric A. Forrest	Cell Biology/Biochemistry	Hampden-Sydney College	The Influence of Melanoma Tumor-Altered Dendritic Cells on T Cell Activation
Stephanie M. Frahs	Cell Biology/Biochemistry	Boise State University	Effects of Microgravity on Parathyroid Hormone-Related Peptide Expression in Cultured Osteocytes through Activation of the Calcium-Ion Channel

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Angela R. Freeman	Behavioral Ecology	University of Manitoba	Infrasound as a signal in mate selection by <i>Pavo cristatus</i>
Amy Freitag	Conservation Biology	Duke University	The Geography of Toxicity: A Collaborative Study of Estuarine Water Quality
Jean-Rene Gauthier	Physics/Astronomy	University of Chicago	The physical origin of the cool gas detected around massive red galaxies
Anthony J. Geneva	Systematics/Evolutionary Biology	University of Rochester	Speciation in Bahamian Trunk Anoles
Jill E. Ghelerter	Petrology/Geochemistry	Georgia State University	Bioremediation of Hydrocarbons in Salt Marsh Sediments Using Clay Minerals
Amanda K. Gibson	Systematics/Evolutionary Biology	Indiana University - Bloomington	Does transmission mode influence the evolution of virulence in parasites of terrestrial isopods?
Michael Goblirsch	Physiology/Functional Morphology	University of Minnesota, Twin Cities	The effects of <i>Nosema ceranae</i> infection on honey bee longevity.
Christina P. Godfried Sie	Cell Biology/Biochemistry	Lehigh University	RNA Editing in IGFBP7 changes the amino acid sequence with potential consequences for its functions
Francois D. Gould	Systematics/Evolutionary Biology	Johns Hopkins University School of Medicine	Morphological indicators of locomotor specialization in distal femoral articular surfaces of Paleocene and Eocene Ungulates
Victoria A. Gray	Ecology	California State University-Long Beach	Physiological consequences of thermal stress in the rocky intertidal zone on the marine snail, <i>Lottia gigantea</i>
Christopher L. Grigsby	Engineering	Duke University	Oral delivery of the factor VIII gene to hemophilia A rodents with speciality gelatin capsules
Alison N. Hale	Ecology	University of Pittsburgh	Testing the mutualism disruption hypothesis: a physiological mechanism for invasion of intact perennial plant communities

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Ryan M. Harke	Anthropology	University of South Florida	Understanding Prehistoric Shellfishing in Northwest Florida through the Sclerochronology of <i>Busycon sinistrum</i> and <i>Triplofusus giganteus</i>
Michelle A. Harris	Petrology/Geochemistry	Central Washington University	Documenting Magmatic Processes at Filicudi Island, Aeolian Arc, Italy: Integrating Quantitative Modeling and Plagioclase Textural and In Situ Compositional Data
Elizabeth Harrison	Ecology	Florida International University	Analyzing the invasion success of <i>Cichlasoma urophthalmus</i> (Mayan cichlid) in south Florida
Daniel O. Hassumani	Physiology/Functional Morphology	Portland State University	The CCAAT/enhancer-binding protein δ and its response to hypoxia in the zebrafish, <i>Danio rerio</i>
Rebecca Heinig	Ecology	Pennsylvania State University	The Effect of Diurnal Temperature Variation on the Efficacy of Fungal Biopesticides
David Hendel	Physics/Astronomy	University of North Carolina at Chapel Hill	A Second Generation Image Slicer for the SOAR Telescope
Kristopher J. Hennig	Ecology	University of Mississippi	Examining the effects of genotypic variation upon soil feedbacks within Monterey pine (<i>Pinus radiata</i>)
Nicole M. Hergott	Ecology	University of Mississippi	Linking the functional diversity of ectomycorrhizal fungal species to soil carbon dynamics and the genetics of foundational tree species
Sarah M. Hird	Systematics/Evolutionary Biology	Louisiana State University-Baton Rouge	Gut microbiota of parasitic bird hosts
Corey Holland	Computer Science/Mathematics	Texas State University-San Marcos	Human Oculomotor Plant Modeling: Can human eye movements be accurately and precisely modeled/predicted by a two-dimensional linear homeomorphic model of the oculomotor plant?

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Kristin A. Hook	Behavioral Ecology	Cornell University	Spermatophore Leks and Sperm Competition in a Pseudoscorpion (Cheiridium museorum)
Nealia C. House	Cell Biology/Biochemistry	Tufts University	The contribution of histone H3 and H4 modifications to the maintenance of CAG repeat stability
Jack Hutchings	Paleontology/Sedimentation	University of South Florida	Experimental evaluation of a paleontological proxy used to document long-term adaptive trends
Fumie Iizuka	Anthropology	University of Arizona	Monagrillo Ware, Panama's First Pottery (ca. 4500-3200 B.P.): Gathering Clays for Pottery Sourcing
Cecibel Katherine Inga Pacheco	Conservation Biology	Universidad Central del Ecuador	Jaguar (Panthera onca), Puma (Puma concolor) and Human Interrelations in Guanacaste, Costa Rica
Sunjatha Jagannathan	Cell Biology/Biochemistry	Duke University	Understanding cellular mRNA partitioning by tracking newly synthesized RNA
Brittany R. Jenkins	Behavioral Ecology	University of Colorado at Boulder	Information content of sexual signals: a temporal investigation of stress responsiveness
Heather N. Johnson	Paleontology/Sedimentation	Sam Houston State University	Impact of Grassland Shifts on Southern Plains Bison Morphology
Elizabeth T. Johnson	Anthropology	University of Michigan-Ann Arbor	Vocal grooming: The form and function of gelada vocalizations
Harold E. Johnson	Tectonics/Geophysics	Texas A&M University-College Station	Retrodeformable cross sections for the 3-dimensional structural analysis of the Ouachita orogen, Arkansas
Jason L. Juhala	Engineering	Washington State University - Vancouver	A Comparative Analysis of Transistors Based on Dielectrophoresis-Aligned Carbon Nanotubes (CNTs) and Self-assembled Random-Network CNTs

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Antony Kaprielian	Physiology/Functional Morphology	University of California-Riverside	Involvement of central PACAP system in cardiovascular and autonomic responses to psychosocial stress
Leslie Keiser	Petrology/Geochemistry	University of Oklahoma	ASSESSING CLIMATE FROM WEATHERING SIGNALS IN MODERN AND ANCIENT GRANITIC-DERIVED FLUVIAL SEDIMENTS
Susan K. King	Ecology	Eastern Kentucky University	Differential fitness and nest site characteristics of four-toed salamanders (<i>Hemidactylium scutatum</i>) in natural and constructed ponds
Erica J. Kistner	Ecology	University of Notre Dame	The role of global climate change in entomopathogen regulated rangeland pests: a model system of fungal insect pathogens
Michael M. Krause	Chemistry	McGill University	Investigation of the existence of Carrier multiplication in CdSe Quantum dots
Venkatesh Krishnan	Cell Biology/Biochemistry	Pennsylvania State University	Visualizing matrix-proteases in a novel tri-culture mimicking vicious cycle of metastatic cancer to bone
Jordan G. Kueneman	Conservation Biology	University of Colorado at Boulder	Community Ecology of Amphibian Microbes in the Presence of a Pathogen
Chi-Yun Kuo	Physiology/Functional Morphology	University of Massachusetts Amherst	The role of vertebral morphology in determining the facility of caudal autotomy in lizards
Martina Lagatierra-Wellington	Conservation Biology	University of Cambridge	The effect of foraging and environmental enrichment on the expression of stereotypical behaviour in common marmosets
Michelle D. Laskowski	Ecology	Boise State University	Using Molecular Techniques to Assess Haemosporidian Parasites and their Phylogenetic Relationships in Migrating Raptors

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Rebecca M. Lauer	Conservation Biology	Ohio State University	Tracking Injured Snakes Rescued from Snake Charmers, Rehabilitated and Released in Nepal
Daniel R. Lawver	Paleontology/Sedimentation	Montana State University-Bozeman	Fossil and modern turtle eggshell: testing the validity of eggshell characters in cladistic analyses
Jin Lee	Psychology	University of Oxford	How fast can we see? The development of visual evoked potential latency in human infants to pattern, orientation, and direction selectivity
Julie A. Lee-Yaw	Systematics/Evolutionary Biology	University of British Columbia	Evaluating selection against hybrids in a natural contact zone between cryptic lineages of the long-toed salamander
Andrea L. Liebl	Behavioral Ecology	University of South Florida	Behavioral Syndromes in Invasive Species: Using a Recently Introduced House Sparrow Population as a Model
Jose R. Lopez Arriaza	Systematics/Evolutionary Biology	Colorado State University	Transposable elements and speciation in the plethodon salamander <i>Ensatina eschscholtzii</i>
Megan B. Machmuller	Ecology	University of Georgia	The consequences of experimental warming on soil organic matter dynamics along a latitudinal gradient: carbon lost versus carbon retained.
Anne A. Madden	Ecology	Tufts University	Location versus host species determinants of fungal communities associated with an invasive paper wasp
Rachel D. Mahan	Ecology	University of Georgia	Interactive Effects of Land Use and Climate on Gene Flow
Keoleboge M. Malela	Behavioral Ecology	University of Botswana	Social networks in the Little Scrub Island ground lizard (<i>Ameiva corax</i>)
Amber N. Marsh	Physics/Astronomy	Lehigh University	The B and Be Star Populations of h and chi Persei

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Joseph R. Mihaljevic	Ecology	University of Colorado at Boulder	Ecological and evolutionary dynamics of multi-host pathogens: Ranaviruses of amphibians
Jessica E. Moody	Ecology	Fordham University	Assessing the conservation and taxonomic status of the Indochinese Silvered Langur in two protected sites in Cambodia
Stephanie L. Moon	Cell Biology/Biochemistry	Colorado State University	A potential role for a highly structured, non-coding RNA derived from the dengue virus genome in modulating host mRNA decay
Brett H. Mueller	Cell Biology/Biochemistry	University of North Texas Health Science Center at Fort Worth	Neuroprotective Properties of Sigma-1 Receptors in Primary Retinal Ganglion Cells
Maitreyee Mukherjee	Ecology	Bowling Green State University	IDENTIFICATION AND ENUMERATION OF NITRIFYING ARCHAEA BY FLUORESCENCE IN-SITU HYBRIDIZATION IN LAKE SUPERIOR
Brendan D. Murray	Psychology	Boston College	The effects of emotion and encoding strategy on associative memory across the lifespan
Sarah R. Nathan	Chemistry	Idaho State University	Synthesis of Cisplatin Analogs by Chiral Grignard Addition of 4-chloropyridine
Bhavik B. Nathwani	Cell Biology/Biochemistry	Columbia University	Morpholometric analysis of dendritic spines using superresolution microscopy
Robert H. Nichol	Cell Biology/Biochemistry	University of California-Riverside	Do PBDEs affect microtubule synthesis and synaptogenesis?
Kirsten Nole	Cell Biology/Biochemistry	Cedar Crest College	Examination of the role of Replication Protein A phosphorylation in the cellular response to Ultraviolet-induced DNA damage
Stephanie N. Nutter	Anthropology	Eastern New Mexico University	Southwestern Alignments
James O'Hanlon	Behavioral Ecology	Macquarie University	Floral mimicry in the orchid mantis (<i>Hymenopus coronatus</i>)

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Ramiro J. Ovejero	Conservation Biology	Instituto Argentino de Investigaciones de las Zonas Áridas	Conservation endocrinology: a noninvasive tool to understand relationships between natural history, environmental and human activities with physiological stress responses in wild guanacos (<i>Lama guanicoe</i>) of the Northern Patagonia.
Autum N. Pairett	Cell Biology/Biochemistry	Iowa State University	Identification of the G-protein binding partners of scallop eye opsins
Katherine J. Papacostas	Ecology	Temple University	Predator Diversity Dampens Invasive-Induced Trophic Cascades in the Subtropical Indian River Lagoon
Yong H. Park	Cell Biology/Biochemistry	University of North Texas	Upregulation of Brain-Derived Neurotrophic Factor, Through Ampakines, Protects Primary Rat Retinal Ganglion Cells From Neurodegeneration
Brian Park	Ecology	University of California-San Diego	Pollination ecology of the honeybee (<i>Apis mellifera</i>) in fragmented habitats
Susan B. Parsons	Ecology	Idaho State University	GENE FLOW PATTERNS AND PARENTAGE IN A BURYING BEETLE: USING MOLECULAR GENETICS TO STUDY CRYPTIC BEHAVIORS
Danielle E. Peters	Systematics/Evolutionary Biology	Marshall University	Characterization of the Hox-12 and Hox-13 gene region in amphibians and reptiles
Robin S. Petruzielo	Physics/Astronomy	Cornell University	Compositional Heterogeneity and Peptide Partitioning in Models for the Cell Membrane
Clayton D. Pilbro	Anthropology	University of New Mexico	Comparison of Early Eocene San Juan Basin, NM <i>Phenacolemur jepseni</i> with <i>Phenacolemur citatus</i> and <i>Phenacolemur praecox</i> from Bighorn Basin, WY -A study of the variation and validity of these <i>Phenacolemur</i> species

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Michael J. Polito	Ecology	University of North Carolina at Wilmington	Oxidative Stress, Sexual Signals and Life History Trade-Offs in the Gentoo Penguin <i>Pygoscelis papua</i>
Allen J. Pope	Hydrology/Geomorphology	Cambridge University	Spectral Classification of Glacier Surfaces on Langjökull Icecap, Iceland
Ravin Poudel	Ecology	Truman State University	Effects of domestication in the fungal endophytes inhabiting roots of Zea mays.
Oscar G. Prieto	Anthropology	Yale University	Studying Early Fishing Communities and the Rise of Social Complexity in the Andean World
Jessica M. Rack	Ecology	University of Connecticut	Does predator-prey chemical communication evolve across a geographic landscape? Behavioral responses of the spotted salamander (<i>Ambystoma maculatum</i>) to predators and predatory diet cues from geographically stratified ponds
Ashley N. Ragan	Conservation Biology	Sam Houston State University	Potential Behavioral Reproductive Isolation between the Endangered Pecos Gambusia and the Introduced Largespring Gambusia
Aaron E. Robinson	Cell Biology/Biochemistry	University of Wisconsin-Oshkosh	YY1 EXPRESSION IN GROUND SQUIRREL RETINA
Emily Rose	Ecology	Texas A&M University-College Station	The Effects of Endocrine Disrupting Compounds on Gulf Pipefish
Natalia A. Rossi	Conservation Biology	Columbia University	Preliminary Assessment of American crocodile's reproductive dynamics and its impacts on population persistence and inter-specific coexistence with Cuban crocodiles in Cuba
Cody M. Rude	Physics/Astronomy	University of North Dakota	Exploring the Nature of Extended ChaMP Sources
Kathleen Rudolph	Behavioral Ecology	University of Florida	Enslaved, Ejected or Cannibalized : The æSpoils of WarÆ in Acacia Ants

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Ashley Russell	Petrology/Geochemistry	University of Wisconsin-Madison	Pressure, temperature, time, and fluids metamorphic paths for garnet from eclogite
William A. Russey	Systematics/Evolutionary Biology	University of Houston	Quantifying selection by predators on relative wing size
Daniel J. Russo	Conservation Biology	University of North Carolina at Wilmington	""Effects of feeding frequency on larval growth, survival, fatty acid profiles and resistance to hyposaline stress in southern flounder <i>Paralichthys lethostigma</i> ""
Rick Russotto	Physics/Astronomy	Yale University	Arctic Lidar Observations of Atmospheric Aerosols and Cirrus Clouds
Joseph R. Sapp	Behavioral Ecology	University of California-Santa Cruz	Raiding behavior of Slave-making ants
Aaron D. Sappenfield	Paleontology/Sedimentation	University of California-Riverside	Sequence stratigraphic and ichnologic constraints in the Prospect Mountain Quartzite (western U.S.): Implications for regional and global correlation of the Precambrian-Cambrian transition.
Kelly D. Schradin	Ecology	Wright State University	The role of plant-soil feedback in exotic plant invasion: soil type, biotic or abiotic factors?
Kristy M. Segal	Ecology	University of Georgia	EFFECTS OF RICE FIELD CULTIVATION ON HEALTH AND COMMUNITY DYNAMICS OF AMPHIBIAN COMMUNITIES WITH A FOCUS ON BUFO MARINUS
Jess H. Senjem	Anthropology	University of Wisconsin-Madison	Taphonomic Analysis of a Probable Leopard Assemblage in South Africa
Heather M. Shaffery	Ecology	University of Pittsburgh	The Role of the Major Histocompatibility Complex in the Mate Choice Decisions of the Wood Frogs (<i>Rana sylvatica</i>)

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Maureen A. Shaw	Cell Biology/Biochemistry	Loyola University Chicago	Spartin protein associates with phospholipids via its senescence domain and acts as a lipid transfer protein
Barbara C. Shock	Ecology	University of Georgia	Field study to identify the vector of a novel Babesia found only in the endangered Florida panther population
Ann M. Showalter	Ecology	Miami University Ohio	Effects of nutritional food quality on the growth, behavior, and physiology of an insect that links aquatic and terrestrial food webs
Erin M. Sigel	Systematics/Evolutionary Biology	Duke University	Patterns of Gene Expression in Allotetraploid Ferns of Recurrent and Reciprocal Origins
Riju Singhal	Engineering	Drexel University	Single carbon nanotube based multifunctional devices for intracellular analysis and component separation
Brittany A. Singletary	Anthropology	Florida Atlantic University	Analyzing the acoustic characteristics of Avahi peyrierasi in southeast Madagascar.
Kevin J. Spring	Cell Biology/Biochemistry	University of Houston	A stochastic model of macronuclear division in the Ciliate Chilodonella uncinata.
Robert L. Stanton	Conservation Biology	University of Nebraska at Omaha	Recolonization ability, plant host associations, and effects of anthropogenic background noise on the cicada, Tibicen dorsatus, in tallgrass prairies.
Lindsey Steiner	Cell Biology/Biochemistry	Ball State University	Virulence of Bacillus cereus during ocular infections in a mouse model
Michael Q. Steinman	Psychology	University of California-Davis	The role of estrogen receptor-alpha and beta in the development of social withdrawal in female California mice
Caitlin A. Stern	Behavioral Ecology	Cornell University	Reproductive skew in kin neighborhoods

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Aaron B. Stoler	Ecology	University of Pittsburgh	Leaf litter to the rescue: how forest composition may naturally mitigate sub-lethal impacts of pesticide introduction to wetlands
Tatiana Straatmann	Ecology	Instituto Nacional de Pesquisas da Amazônia	An assessment of site-fidelity among three species of resident understory birds from the central Amazon
Laura K. Stroik	Anthropology	Arizona State University	The Competitive Environment of the Origination and Early Diversification of Euprimates in North America
Amber D. Stubler	Ecology	State University of New York at Stony Brook	The impacts of pH and temperature on the growth and bioerosion rate of <i>Cliona</i> sp.; implications for the coral reef ecosystem.
Brian Stucky	Behavioral Ecology	University of Colorado at Boulder	Is this host taken? Acoustic parasitoids and detection of already-parasitized hosts
Boriana K. Tchernookova	Physiology/Functional Morphology	University of Illinois at Chicago	Testing the proton hypothesis of lateral inhibition in the vertebrate retina
Cynthia A. Tedore	Behavioral Ecology	Duke University	Tracking visual attention to infer cognitive processes guiding species and sex recognition in jumping spiders
Allison L. Teletzke	Tectonics/Geophysics	Lehigh University	HIGH-RESOLUTION FAULT RESTORATION USING ROCK MAGNETIC CYCLOSTRATIGRAPHY IN RED BEDS, PYRENEAN THRUST FRONT, SPAIN
Brian M. Thompson	Ecology	University of Maryland, College Park	Testing genomic predictions by quantifying microbial inputs on host nutrition
Natasha Tigreros	Behavioral Ecology	Tufts University	Every male's dilemma: allocation to good looks vs. nuptial gifts?

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Shraddha J. Vachhani	Engineering	Drexel University	Establishing the 3-D grain boundary character by serial sectioning using the PoliMat2 by Buehler-T _« , GmbH
Caroline M. VanSickle	Anthropology	University of Michigan-Ann Arbor	Changes in Neandertal female pelvis morphology and their implication for the evolution of childbirth
Marie L. VanZandt	Conservation Biology	University of Hawaii at Hilo	The spatial distribution and habitat restrictions of the Hawaiian Petrel on the Island of L [«] na [«] i.
Oscar M. Vargas	Systematics/Evolutionary Biology	University of Texas at Austin	UNRAVELING THE EVOLUTIONARY HISTORY OF HIGH ANDEAN PLANTS: EVOLUTION AND SYSTEMATICS OF THE GENUS DIPLOSTEPHIUM (ASTERACEAE)
Mark T. Voli	Hydrology/Geomorphology	North Carolina State University	Total Suspended Sediment Source Contributions to a Regionally Important Municipal Drinking Water Source, Falls Lake North Carolina: A Sediment Fingerprinting Approach
Maggie R. Wagner	Systematics/Evolutionary Biology	Duke University	Polymorphism and evolutionary dynamics of an ecologically important enzyme
Faye M. Walker	Chemistry	University of California-Santa Barbara	Incorporating Polyvalent Therapeutics into Six- and Ten-Stranded RNA Nanocubes
Alexa R. Warwick	Conservation Biology	Florida State University	Phylogeography and conservation genetics of the Pine Barrens Treefrog (Hyla andersonii)
Akinobu Watanabe	Systematics/Evolutionary Biology	Florida State University	The Effect of Ontogeny on Phylogenetic Inference: A Case Study Using Extant and Fossil Crocodylia

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Beck A. Wehrle	Behavioral Ecology	California State University-Northridge	Why do lizards lounge? The role of sociality in exchanging microbial communities among hatchling green iguanas (<i>Iguana iguana</i>)
Denise Werchan	Psychology	University of Arizona	The Formation of Transitive Inferences and Relational Memories Over Time
Kaitlyn M. Werner	Psychology	University of Rochester	The Effect of Autonomy Support on Conscious Thought in Complex Decision Making
Christie L. Wilcox	Conservation Biology	University of Hawaii at Manoa	Insight into an invasion: phylogeography of lionfishes
Maya Wildgoose	Petrology/Geochemistry	University of California-Davis	Using $^{40}\text{Ar}/^{39}\text{Ar}$ and Lu-Hf isotopic dates to further understand the deformational history of an ancient subduction zone in Alaska
Brett T. Wolfe	Ecology	University of Utah	The determinants of drought response in tropical trees
Kyle Wright	Ecology	Fordham University	Terrestrial Birds as Hosts of Ticks and Reservoirs for Diseases
Alexandra Wright	Ecology	University of Wisconsin-Milwaukee	The shifting importance of competition vs. facilitation along diversity, environmental severity, and plant ontogenetic gradients.
Salene Wu	Psychology	Ohio State University	Relationship of General and Health-related Anxiety and Worry to Markers of Inflammation in Women with Recurrent Cancer
Eva Wuyts	Physics/Astronomy	University of Chicago	Characterizing gravitationally lensed galaxies at high redshift
Christopher B. Yaluma	Physics/Astronomy	Berea College	The Identification of Graphene Layers through Optical Reflectivity
Jennifer Yeung	Cell Biology/Biochemistry	Thomas Jefferson University	12-HETrE regulates hemostasis and thrombosis via DGLA in the human platelet

Grants-in-Aid of Research Awards
March 15, 2011 Grant Cycle

Alphabetical by Recipient's Name

Jennifer Yost	Systematics/Evolutionary Biology	University of California-Santa Cruz	Biochemical adaptation in the <i>Lasthenia californica</i> species complex
Christine P. Zolnik	Ecology	Fordham University	Influence of host community structure on disease dynamics in blacklegged ticks (<i>Ixodes scapularis</i>) using molecular identification of bloodmeal sources