

**Grants from the October 15, 2009 Application Deadline
Alphabetical by Field of Research**

Research Field	Name	Institution	Title
Anthropology	Zuzana Chovanec	State University of New York at Albany	Analysis of Residues of Ancient Artifacts for Non-Subsistence Plant Substances in Prehistoric Cyprus
Anthropology	Randy Daum	University of Massachusetts/Amherst	Comparative Analysis of Geophysical Techniques at a 17th-Century Colonial Village Site.
Anthropology	Nathaniel Erb-Satullo	Harvard University	Analyzing Late Bronze Age production patterns through petrographic analysis of ancient ceramics
Anthropology	Peter Lanzarone	The University of Georgia	Stratigraphic and Geophysical Investigations at Two Ethiopian Prehistoric Archaeological Sites
Anthropology	Michelle Lelievre	University of Chicago	Bridging the Pre-historic/historic divide: Archaeological investigations of post-contact activity in an Atlantic coast shell midden (Maligomish - BjCo-02)
Anthropology	Lynn Lucas	Arizona State University	Functional correlates of the primate masticatory system
Anthropology	Sara Marsteller	Arizona State University	A Biogeochemical Approach to Highland-Coastal Community Interaction in the Lurin Valley, Peru: Quantifying Regional Strontium and Oxygen Isotope Variation
Anthropology	Andrew Somerville	University of California-San Diego	A Methodological Study of Lagomorphs as Paleoclimate Monitors in Archaeological Contexts
Anthropology	Whitney Stamey	Eckerd College	Essential Crest Bifurcation (ECB) in Maxillary Premolars
Anthropology	Amber Weekes	University of Pennsylvania	An Excavation and Bioarchaeological Analysis of the remains from an Iron Age kurgan at Oglanqala, Azerbaijan
Behavioral Ecology	Bishwo Adhikari	Brigham Young University-Provo	Identification of freeze tolerant genes from Antarctic Dry Valley nematode <i>Plectus murrayi</i>

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Behavioral Ecology	Gerald Carter	University of Maryland, College Park	Reciprocal food sharing in vampire bats revisited: do they punish cheaters?
Behavioral Ecology	Darcy Dayhoff	Miami University Ohio	Effect of male parental care in <i>Microtus pinetorum</i> due to the microsatellite length for the avpr1a gene
Behavioral Ecology	Kristen Epp	Texas State University-San Marcos	Does predation and cannibalism on juveniles by adults influence community stability in a unisexual-bisexual fish complex?
Behavioral Ecology	Vanina Fernandez	Universidad de Buenos Aires	INFLUENCE OF NUTRITIONAL, ECOLOGICAL AND SOCIAL FACTORS ON FOOD SELECTION IN BLACK AND GOLD HOWLERS MONKEYS (<i>Alouatta caraya</i>).
Behavioral Ecology	Richard Horn	University of Akron	Aseptic architecture in an avian system
Behavioral Ecology	Cristina Jasso del Toro	Universidad Nacional Autonoma de Mexico	Kinship and social interactions of young howler monkeys (<i>Alouatta palliata</i>) in continuous and fragmented habitats in Los Tuxtlas Veracruz, Mexico.
Behavioral Ecology	James Kealey	Columbia University	Genetic and ecological determinants of highly social behavior in <i>Synalpheus</i> snapping shrimp
Behavioral Ecology	Sarah Laredo	University of California-Davis	Neural and hormonal variation between populations of California ground squirrels (<i>Spermophilus beecheyi</i>) facing different predation pressures
Behavioral Ecology	Norman Lee	Unviersity of Toronto Scarborough	The geography of group sex: a test of alternative models to describe male spacing and female preference in a lek-mating subterranean insect.
Behavioral Ecology	Neil Losin	University of California-Los Angeles	Evolution of interspecific territoriality in invasive <i>Anolis</i> lizards

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Behavioral Ecology	Claire Narraway	University of California-Los Angeles	A test of kin selection theory in honeybees: Using worker policing to distinguish between nepotism and group benefits.
Behavioral Ecology	Meagan Schrandt	University of North Carolina at Wilmington	Linking habitat, behavior, and physiology: examining habitat associated variation in the behavior and stress reactivity of the bicolor damselfish (<i>Stegastes partitus</i>)
Behavioral Ecology	Erik Scully	Villanova University	Sociality and cooperative reproduction in herbivorous spider <i>Bagheera kiplingi</i>
Behavioral Ecology	Arielle Shanahan	Oklahoma State University	Effects of immunization on song quality in male zebra finches
Behavioral Ecology	Katherine Stryjewski	Boston University	Signalling in Young Birds: Evolution of Elaborate Phenotypic Traits by Parental Choice
Behavioral Ecology	Mitch Tucker	University of Missouri-Columbia	Effects of Polyploidy on Female Preference in Gray Treefrogs, <i>Hyla chrysoscelis</i> .
Cell Biology/Biochemistry	Brandon Carpenter	Appalachian State University	Identification and Characterization of a Highly Conserved Meis2 Linked Gene
Cell Biology/Biochemistry	LIXIA CHEN	The Institute of Environmental and Human Health, Texas Tech University	Gene expression changes accompanying p53 activation after NNK treatment in human lung bronchial epithelial cells BEAS-2B
Cell Biology/Biochemistry	Jennifer Cole	Texas Tech University	CYP1A1 and CYP1A2 Induction in Benzo[a]pyrene-Exposed Skin/Blubber Organotypic Cultures of the Bottlenose Dolphin
Cell Biology/Biochemistry	Lindsey Fix	East Carolina University	Analysis of the Effects of Green Tea Polyphenols on the microRNA expression profile of MCF-7 Breast Cancer Cells
Cell Biology/Biochemistry	Melissa Gottron	Duke University	A role for beta-amyloid in glaucomatous optic nerve degeneration.

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Cell Biology/Biochemistry	Anne Gunter	Austin College	Proteasome Activator PA28gamma inhibits cell survival through degradation of the stress activated protein kinase p38
Cell Biology/Biochemistry	Kayla Hager	Cedar Crest College	Analysis of the interaction between Pif1p helicase and Replication Protein A by a Yeast 2-Hybrid Assay
Cell Biology/Biochemistry	Sean Hartnett	University of Northern Iowa	The Effects of Metolachlor Exposure on Human Cells
Cell Biology/Biochemistry	Jacob Henderson	Saint Louis University	Comparison of adult and neonatal airway epithelial cells
Cell Biology/Biochemistry	Akira Iwami	California State University-Chico	Faster transport of synaptic proteins account for an increase in synapse formation.
Cell Biology/Biochemistry	Kameka Johnson	University of Georgia	Identification of quorum sensing regulated genes in the seedborne bacterium <i>Acidovorax avenae</i> subsp. <i>citrulli</i> using microarray analysis
Cell Biology/Biochemistry	Daniel Kasprick	University of Michigan Medical School	Development and regeneration of extraocular muscles in zebrafish
Cell Biology/Biochemistry	Ekaterina Khramtsova	University of Illinois at Chicago	Regulation of Zinc Transport by miR-182 in Human Prostate Cells
Cell Biology/Biochemistry	Sayali Kukday	University of Georgia	Small-molecule activators of Insulin Degrading Enzyme activity: Relevance to Alzheimer's disease
Cell Biology/Biochemistry	Rebecca Levin	Princeton University	Determining In vivo Histone Modification Dynamics with Quantitative Proteomics
Cell Biology/Biochemistry	Yan Leyfman	State University of New York at Stony Brook	Development of the Stem Cell-Targeted Treatment of Colon Carcinoma
Cell Biology/Biochemistry	Zeran Li	Purdue University-West Lafayette	The Role of Phenylthiourea on Zebrafish Eye Growth Regulation - A Model for Human Refractive Errors.
Cell Biology/Biochemistry	Christina Matika	Cedar Crest College	Analysis of the Interactions of Replication Protein A with Telomeres in <i>Saccharomyces cerevisiae</i>
Cell Biology/Biochemistry	Tyler Nielsen	Des Moines University	Glycogen Storage by Parasitic and Commensal Trichomonads

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Cell Biology/Biochemistry	Katherine Phillips	Pennsylvania State University	An In Vitro Study of the Effects of Metastatic Breast Cancer on Megakaryocytes
Cell Biology/Biochemistry	Christina Ragan	Pennsylvania State University	Investigation of the SERT gene in a rodent model of neophobia.
Cell Biology/Biochemistry	Krystal Seibert	Western Michigan University	Developing an Oncolytic Virus Using Tanapox
Cell Biology/Biochemistry	Joshua Stokell	University of North Carolina at Charlotte	Metagenomic Approach to Determine Bacterial Diversity in Cystic Fibrosis
Cell Biology/Biochemistry	Christy Strong	University of Montana	Effects of a 5'UTR long distance interaction on HIV-2 replication
Cell Biology/Biochemistry	Heather Upton	California State University-Fresno	Characterization of Bacillithiol Disulfide Reductase
Cell Biology/Biochemistry	John Welsh	Virginia Polytechnic Institute and State University	Modulation of platelet function by protein lipid interaction
Cell Biology/Biochemistry	Jun Zheng	Miami University	Identification of protein factors of a novel in vitro pre-mRNA cleavage and polyadenylation system in Arabidopsis
Chemistry	Robert Hanlon	University of Toledo	Chemical degradation study of poly(lactic acid) and lactic acid copolymers
Chemistry	Saad Hasan	Vanderbilt University	Solid-state NMR of colloidal graphene and graphitic precursors
Chemistry	Whitney Howard	University of Cincinnati	New Nano-materials for chemical sensing
Chemistry	Samik Upadhaya	Central Michigan University	Synthesis and characterization of hyperbranched fluoropolymers (HBFP) used for proton exchange membranes (PEMs).
Computer Science/Mathematics	Xiao He	Tsinghua University	Fault Detection and Fault-tolerant Control for Networked Control Systems
Conservation Biology	Lindsay Biga	Oregon State University	It Depends: A study of context dependence in pesticide toxicity to amphibians
Conservation Biology	Abraham Borker	University of California-Santa Cruz	A test of acoustic sensors for monitoring breeding seabird populations size

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Conservation Biology	Anthony Caragiulo	Fordham University	Constructing Central American jaguar (<i>Panthera onca</i>) population structure using parasite genetics
Conservation Biology	Michelle DiLeo	Queens University	Landscape and Conservation Genetics of the Threatened Eastern Massasauga Rattlesnake (<i>Sistrurus c. catenatus</i>).
Conservation Biology	Daniel Evans	University of Washington	Habitat Fragmentation, Habitat Corridors and Seed Dispersal by Birds
Conservation Biology	Jessica Gonynor	University of Georgia	Population Health and Disease Ecology of the Gopher Tortoise (<i>Gopherus polyphemus</i>) in Georgia
Conservation Biology	Erin Gottschalk Fisher	California State University-Chico	Vernal Pool Restoration for two rare grasses, <i>Neostapfia colusana</i> and <i>Tuctoria greenei</i> , at the Sacramento National Wildlife Refuge Complex.
Conservation Biology	Daniel Gurdak	SUNY College of Environmental Science and Forestry	Butterfly Diversity and Conservation in Assam, India
Conservation Biology	William Helenbrook	SUNY College of Environmental Science and Forestry	Emerging zoonoses: Effects of anthropogenic disturbance on parasitic disease, chronic stress, and pathogen transmission between human and nonhuman primate populations
Conservation Biology	Suzanne Macey	Fordham University	Nest site selection in the Bog Turtle (<i>Glyptemys muhlenbergii</i>) and implications for sex-determination.
Conservation Biology	Keith Miller	Central Michigan University	Assessment of dispersal corridors connecting protected Andean bear (<i>Tremarctos ornatus</i>) habitat in the Venezuelan Andes.
Ecology	Amanda Accamando	Louisiana State University-Baton Rouge	The efficacy of an induced defense strategy for plants among neighbors
Ecology	Joshua Atwood	University of Rhode Island	Evolution of Invasive Plant Species on New England Islands: a Test of the ERCA Hypothesis

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Ecology	Doug Aubrey	University of Georgia	Annual importance of root-derived CO ₂ efflux via xylem stream
Ecology	Priya Balasubramaniam	University of California-Riverside	Environmental correlates of avian life history variation along elevational gradients
Ecology	Wesley Beaulieu	Indiana University Bloomington	Can mycorrhizal fungi alter apparent competition between plants through modification of defensive chemistry?
Ecology	Steven Castellano	Miami University Ohio	Use of ¹⁵ N Stable Isotope to Label <i>Lonicera maackii</i> (Amur Honeysuckle) Propagules: A New Method to Track Seed Dispersal and Recruitment
Ecology	Oriana Chan	Fordham University	Integrating vocalization and small-scale radar data to better understand how light and noise affect birds migrating through a major city
Ecology	Nathalia Chavarro-Rodríguez	Instituto de Ecología, A.C.	Genetic Variation and reproductive assembly of <i>Palicourea padifolia</i> at a geographic gradient
Ecology	Maria Checa	University of Florida	Temporal and spatial patterns of diversity and abundance in butterfly communities (Lepidoptera: Nymphalidae): a case study in an Ecuadorian dry forest
Ecology	Courtney Coon	University of South Florida	Are invasive House Sparrows (<i>Passer domesticus</i>) released from their natural pathogens?
Ecology	Ashley Craig	University of Mississippi	Illuminating the Black Box of Ectomycorrhizal Fungal Diversity: characterizing Ectomycorrhizal community response to restoration treatments in Northern Mississippi
Ecology	Kaitlin Daniel	University of North Carolina at Asheville	Effects of Removal of a Small Dam in the Toe River on Fish and Macroinvertebrate Populations and Water Chemistry.

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Ecology	Jacob Eby	University of Toledo	The Abundance of Antibiotic Resistant Bacteria Present on Mosquitoes Caught at a Recreational Park.
Ecology	Christopher Freeman	University of Alabama at Birmingham	Using stable isotopes to evaluate the importance of symbiont derived nutrition to marine sponges
Ecology	Colbey Freeman	Lebanon Valley College	Sediment-Oxidizing Capabilities of Two Isoetid-Like Species Compared to the Rhizosphere Oxidation Associated with Prototypical Isoetids
Ecology	Nicholas Green	Baylor University	Life on the edge: using physiological indicators of diet quality to test the resource-distribution model of boundary effects in the small mammal community of an endangered tallgrass prairie
Ecology	Eric Griffin	University of Pittsburgh	Are tree-fall gaps an engine for reproduction in tropical forests: testing a key but forgotten prediction of the gap hypothesis
Ecology	Natalie Griffiths	University of Notre Dame	Decomposition of corn leaves and native and invasive grasses in the floodplains of restored agricultural streams
Ecology	Hongyu Guo	University of Houston	Effects of interactions between mangroves and salt marshes on species distribution under global warming
Ecology	Alexandra Hurst	University of Kentucky	Effects of sexually dimorphic traits on the competitive ability of the sexes
Ecology	Shafkatul Khan	University of Georgia	Effects of climatic variables on tropical tree species growth in secondary communities along an elevational gradient
Ecology	Pramila Khatri Chhetri	Tribhuvan University	An Analytical Study of Carbon Sequestration in Coniferous and broadleaf forests of Nepal
Ecology	Talina Konotchick	Scripps Institution of Oceanography	Gene expression studies in the Giant Kelp, <i>Macrocystis pyrifera</i>

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Ecology	Megan Machmuller	University of Georgia	The consequences of climate change-driven soil warming on biogeochemical processes along a latitudinal gradient: How will forest carbon and nitrogen dynamics change with time?
Ecology	Kapil Mandrekar	State University of New York College of Environmental Science and Forestry	Ecological Energetics of the Giant Fish Arapaima: Management Implications
Ecology	Hannah Munro	Memorial University of Newfoundland	Ecology of ectoparasites in Crested Auklets (<i>Aethia cristatella</i>)
Ecology	Roberta Newbury	University of British Columbia Okanagan	Winter food habits of bobcats (<i>Lynx rufus</i>) in northwest Montana.
Ecology	James Nifong	University of Florida	Can Trophic Cascades be affected by Trait-Mediated Indirect Interactions (TMII's)?
Ecology	Hilton Oyamaguchi	University of California-Los Angeles	The Role of the Rainforest-Savanna Gradient in the Diversification of Amazonian Frogs
Ecology	Bridget Piculell	University of Mississippi	Genetic correlation of Loblolly pine traits and the potential for conflicting selection pressures
Ecology	Sarah Pinto	University of Montana	Diversity and compositional stability: the influence of dominant vs. rare species on community assembly
Ecology	Julie Price	University of Alabama at Birmingham	Plant Selection for Stormwater Mitigation in the Southeastern U.S.
Ecology	Jeanine Refsnider	Iowa State University	Can maternal nest-site choice compensate for the effects of global climate change on reptiles with temperature-dependent sex determination? A common-garden experiment using a model species
Ecology	Anthony Rietl	University of Mississippi	Belowground effects of ecological restoration practices in a deciduous forest in northern Mississippi: Year round patterns in microbial enzyme activities and leaf litter decomposition

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Ecology	Amie Robison	Oklahoma State University	Influence of Predation-based Chemical Cues on Contaminant Sensitivity in Fathead Minnows (<i>Pimephales promelas</i>)
Ecology	Amy Skibiell	Auburn University	Effects of maternal investment in milk quality on juvenile Columbian ground squirrels
Ecology	Olyssa Starry	University of Maryland Baltimore County	The effects of maintenance practices on water retention by greenroofs
Ecology	Stephanie Steele	University of California-Los Angeles	Genetic and Adaptive Impact of Seed Dispersal by Lekking Manakins
Ecology	Jessica Stephens	Auburn University	Elucidating effects of pitcher plant wetland fragmentation: A study of dispersal and genetic connectivity on an arthropod associate, <i>Exyra semicrocea</i> (Lepidoptera: Noctuidae)
Ecology	Teresa Stoepler	George Washington University	Enemy-free space within defended caterpillar hosts
Ecology	Karen Sullam	Drexel University	The Evolution of Guppy Feeding Ecology and Intestinal Microbial Communities
Ecology	Marisa Tellez	University of California-Los Angeles	Assessing patterns of host-parasite distribution of <i>Alligator mississippiensis</i> in Louisiana by investigating annual environmental impacts
Ecology	Megan Todd-Thompson	University of Tennessee-Knoxville	Molecular analysis of a Ranavirus strain involved in a die-off of amphibians in Great Smoky Mountains National Park
Ecology	Schuyler van Montfrans	University of Florida	Do grazers and drought stress interact to drive die-off and foundation plant species shifts in salt marshes?
Ecology	Denita Weeks	California State University-Northridge	Fundamental niche modeling and implications of global climate change for the world's southernmost gecko, <i>Homonota darwini</i>

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Ecology	Jeffrey Wolf	University of California-Los Angeles	Testing predictions of resource-based competition theory for tree species richness in a tropical forest: The fine-root distribution of tropical trees in relation to soil nutrients on Barro Colorado Island (BCI), Panama
Ecology	Adrienne Zillmann	Arizona State University	Environmental iron availability and the outcome of a deadly amphibian disease
Engineering	Benjamin Akih Kumgeh	McGill University	Investigation of vapour liquid equilibria of bio-jet fuel surrogates
Engineering	Kathryn Dorst	State University of New York at Stony Brook	Effects of Surface Topography on Osteoblast Adhesion, Migration and Biomineralization
Engineering	Maha Haji	University of California-Berkeley	Human Power Generation in Fitness Facilities
Engineering	Daniel Ironside	Saint Louis University	Experimental Verification of Coupled Structural Dynamic and Aerodynamic Wing Simulation
Engineering	Steve Anthony Noutong Njapo	University of Florida	Quantification of astrogenesis in the Internal Capsule and the Corpus Callosum of adult mice.
Engineering	Jennifer Segui	State University of New York at Stony Brook	Self assembly of ordered bulk heterojunction solar cells via nanoparticle confinement in polymer blend thin films
Engineering	Sophia Trieu	Portland State University	Increase of adhesive bond strength between composite and enamel by active application of acid etchant
Engineering	Jie Xu	Columbia University	Microfluidic chips for single cell manipulation
Hydrology/Geomorphology	Allen Pope	Cambridge University	Spectral and physical characterization of glacier facies
Hydrology/Geomorphology	Tara Redding	Lehigh University	Mercury and Dissolved Organic Carbon Interactions during Base and Storm Flow Events in the Little Lehigh Watershed

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Paleontology/Sedimentation	Rachel Brown	University of California-Santa Cruz	The B/Ca proxy for deep-water carbonate ion concentration: A new species-specific calibration for <i>Nuttallides umbonifera</i>
Paleontology/Sedimentation	Michael Meyer	Virginia Polytechnic Institute and State University	New insights into the extinction of the Ediacara Biota through high-resolution isotopic sampling in the Dengying Formation, China.
Paleontology/Sedimentation	Jennifer Sliko	University of South Florida	Investigating Pliocene El Nino: Nutrient dynamics from marine phosphate levels in <i>Siderastrea</i> corals
Paleontology/Sedimentation	David Weinstein	University of Miami	Rates of coral substrate bioerosion across a depth range of modern Caribbean reefs: Implications for past and future reef growth and development
Petrology/Geochemistry	Jane Lee	University of North Carolina at Chapel Hill	Investigation of the combined effects of temperature and pCO ₂ on rates of calcification of the temperate coral <i>Oculina arbuscula</i>
Petrology/Geochemistry	Ryan Mills	University of North Carolina at Chapel Hill	CALIBRATING AND TESTING AN APLITE BAROMETER FOR PLUTONIC ROCKS
Petrology/Geochemistry	Kathie Swan	University of Toledo	Environmental Fate of Monensin, Lasolocid and Ivermectin in Soils
Physics/Astronomy	Igor Aharonovich	University of Melbourne	Fabrication of single photon emitters in nanodiamonds
Physics/Astronomy	Yang Cui	University of North Carolina at Chapel Hill	Commissioning the first fiber bundles for Integral Field Unit (IFU) on the SOAR Telescope
Physics/Astronomy	Kathleen Eckert	University of North Carolina at Chapel Hill	The Problem with Dwarf Galaxies: Why Do they Form Stars Inefficiently?
Physics/Astronomy	Taylor Esformes	Worcester Polytechnic Institute	Sample-Independent Friction Force Calibration
Physics/Astronomy	Scott Fleming	University of Florida	New Eyes for Rosemary Hill Observatory
Physics/Astronomy	Ryan Keenan	University of Wisconsin-Madison	The Galaxy Mass Assembly History of the Universe

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Physics/Astronomy	Adam Kowalski	University of Washington	Spectral Properties of Optical Stellar Flares on Very Short Timescales: Solving the Mystery of Blue Flare Light
Physics/Astronomy	Darshana Patel	University of Notre Dame	To study the effect of Mutually Enhanced Magicity effect on nuclear incompressibility by investigating the Giant Monopole Resonance in the Lead (Pb) isotopes and to explore in detail the effect of superfluidity in the nuclear compressibility of the open-shell nuclei.
Physics/Astronomy	Erik Skau	North Carolina State University	Engineering Omniphobic Surfaces from Beaded Nanofibers
Physics/Astronomy	David Stark	University of North Carolina at Chapel Hill	What We Don't See: Tracking the Missing Baryons in the Local Universe
Physiology/Functional Morphology	Katherine Allport	Villanova University	The Effect of Diet and Training on the Migratory Flight Performance of the European Starling
Physiology/Functional Morphology	Meghan Bills	University of Florida	The West Indian manatee, <i>Trichechus manatus</i> , chemosensory system: Reproductive use of taste and smell by an aquatic mammal
Physiology/Functional Morphology	Robert Bowen	University of North Carolina at Charlotte	Sex Steroid Regulation of Physical Activity in Mice
Physiology/Functional Morphology	Mark Burger	University of Nevada-Las Vegas	Anaerobic Metabolism in Hibernating Mammals
Physiology/Functional Morphology	Viviane Callier	Duke University	Physical and molecular mechanisms of size regulation in the tobacco hornworm, <i>Manduca sexta</i>
Physiology/Functional Morphology	Brandon Campitelli	University of Toronto	The ecophysiological consequences of a leaf shape polymorphism in Ivy leaf morning glory (<i>Ipomoea hederacea</i>)
Physiology/Functional Morphology	Diego Fernandez	Consejo de Investigaciones Cientificas y Tcnicas	Induction of ischemic tolerance in experimental diabetic retinopathy

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Physiology/Functional Morphology	Patrick Hudson	University of Tennessee-Knoxville	Sun versus shade acclimation and plasticity in ecophysiological performance of <i>Canella winterana</i>
Physiology/Functional Morphology	Ana Jimenez	University of North Carolina at Wilmington	The influence of fiber size on the cost of ion transport
Physiology/Functional Morphology	Sandy Kawano	Clemson University	Habitat Transitions in Vertebrates
Physiology/Functional Morphology	Vera Okuneva	Chavchavadze State University of Tbilisi	Molecular Changes in Response to Stress Induced by Corticotropin Releasing Hormone Administration and Role of Catecholamines in these Changes
Physiology/Functional Morphology	Timothee Pale	University of Missouri-Columbia	Enhancement of axonal regeneration of reticulospinal neurons after spinal cord injury in lampreys
Physiology/Functional Morphology	Leslie Parker	James Madison University	BIOMECHANICS OF QUADRUPEDALISM IN MAMMALS
Physiology/Functional Morphology	Katherine Pelch	University of Missouri-Columbia	Altered DNA Methylation in the Pathophysiology and Diagnosis of Endometriosis
Physiology/Functional Morphology	Devaleena Pradhan	Georgia State University	Brain is the major source of androgens in <i>Lythrypnus dalli</i>
Physiology/Functional Morphology	Premraj Rajkumar	University of Cincinnati	Visual coding by the photoreceptor cells in fiddler crab, <i>U. pugilator</i>
Physiology/Functional Morphology	Nikia Rice	Florida Institute of Technology	Comparing Retinal Photoreceptor Organization of <i>C. caretta</i> and <i>C. mydas</i> throughout Developmental Stages
Physiology/Functional Morphology	Katie Staab	George Washington University	See the Flow: Measuring Suction Feeding Performance in Cypriniform Fishes Using DPIV
Physiology/Functional Morphology	Eric Vaillancourt	University of Ottawa	The metabolic fuel selection and lipid mobilization capacity of a long-distance migrant, the Greater Snow Goose (<i>Chen caerulescens atlantica</i>)

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Physiology/Functional Morphology	Stephanie Wolf	James Madison University	An ontogenetic study of lower limb morphology and leaping behavior in two captive Strepsirrhine primates
Psychology	Brittany Ahuja	University of Wisconsin-Milwaukee	Effects of Modulation to the Cerebellothalamocortical Pathway
Psychology	Chiung-Yun Chang	Ohio State University	Time-course of perception of Mandarin Chinese tones
Psychology	Abdiel Flores	California State Polytechnic University, Pomona	An Examination of Moderators and Mediators of Stereotype Threat Effects on First-Generation College Students' Academic Performance
Psychology	Kathryn Holt	College of William and Mary	Age-related changes in cognitive control and conflict processing
Psychology	Kimberly Konka	St. Mary's College of Maryland	Effects of Postnatal Exposure to Prozac on Adult Rat Motor and Emotional Behavior
Psychology	Marie Perez Rivera	Virginia Polytechnic Institute and State University	Dichos and Consejos, Ethnic Identity, and Emotion Socialization in Latina Mothers
Psychology	Todd Peterson	University of Wisconsin - Milwaukee	Effort Based Decision Making: Before, During and After Brain Injury
Psychology	Kara Thorsen	University of California-Irvine	Early Detection of Autism: An Evaluation of a Parent Training Program
Psychology	Lauren Ullrich	Georgetown University	Recognition memory in mild cognitive impairment
Systematics/Evolutionary Biology	Sean Beckmann	University of Miami	Effects of urbanization on the genetic diversity of a small mammal habitat generalist, the Key Largo Cotton Mouse, <i>Peromyscus gossypinus allapaticola</i>
Systematics/Evolutionary Biology	Jeremy Brozek	Lehigh University	Understanding modes of selection promoting the evolution of character displacement in North American <i>Calopteryx</i> damselflies.

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Systematics/Evolutionary Biology	Genevieve Croft	Washington University in St. Louis	The interplay of ecological and genetic change in the early domestication of a Neotropical fruit tree, <i>Byrsonima crassifolia</i>
Systematics/Evolutionary Biology	Caitlin Fong	University of California-Santa Barbara	The Evolution of Phototaxia
Systematics/Evolutionary Biology	Nicholas Friedman	University of Maryland, Baltimore County	The Chemistry of Elaborate Coloration: Carotenoid Pigments in the New World Blackbirds
Systematics/Evolutionary Biology	Amanda Grusz	Duke University	Evolutionary relevance of asexual lineages: examining the potential for recombination in apomictic desert ferns
Systematics/Evolutionary Biology	Cheng-Ruei Lee	Duke University	The role of differential adaptation in incipient speciation
Systematics/Evolutionary Biology	Hongan Long	University of Houston	Accumulating spontaneous mutations in germline and somatic nuclei of the ciliate <i>Tetrahymena thermophila</i> : mutation rates and fitness effects
Systematics/Evolutionary Biology	Michael Martin	University of Maryland, Baltimore County	Speciation in Darters (<i>Percidae</i> : <i>Etheostoma</i>): Testing the Sensory Bias Hypothesis
Systematics/Evolutionary Biology	Michael Martin	Johns Hopkins University	Historical genetic structure in native range of invasive common ragweed
Systematics/Evolutionary Biology	Victor Piñeros	Instituto de Ecología A.C.	Phylogeographic patterns at different geographic scales of the marine fish <i>Scartella cristata</i>
Systematics/Evolutionary Biology	Monica Ramstetter	University of California-Irvine	Pinpointing the origins of a novel wing color in mimetic butterflies
Systematics/Evolutionary Biology	Sandra Rehan	Brock University	Social evolution of the small carpenter bees
Systematics/Evolutionary Biology	Frank Smith	University of Connecticut	The genetics of appendage development in the tardigrade species <i>Hypsibius dujardini</i> and the origin of the arthropod appendage
Systematics/Evolutionary Biology	Caitlin Smukowski	Duke University	Variation in regional recombination rates between species

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Research Field	Name	Institution	Title
Systematics/Evolutionary Biology	Marnin Wolfe	University of Pittsburgh	Does HSP101 lead to thermal-tolerance at the expense of drought-tolerance? Implications for adaptation to simultaneous heat and drought stress.
Tectonics/Geophysics	Wendy Bohon	Arizona State University	Slip rate, recurrence interval and seismic hazards of the Karakoram Fault, Ladakh, NW India
Tectonics/Geophysics	Patricia Nadeau	Michigan Technological University	Confirmation of the source of tremor at Kilauea volcano by integration of geophysical and geochemical evidence
Tectonics/Geophysics	Nicholas Swanson-Hysell	Princeton University	Evaluating the carrier of an antiparallel magnetization in 1.1 billion-year-old basalt flows through microscopy and rock magnetic experiments