

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

Research Field	Name	Institution	Title
Anthropology	Rachel Balabuszko	The Ohio State University	A Method for Differentiating Human and Nonhuman Fragmented Skeletal Remains and Species Identification
Anthropology	Kirsten Brown	Johns Hopkins University School of Medicine	A morphometric approach to obstetrical adaptation in a narrow-bodied population
Anthropology	Rachel Giraud	University of California-Berkeley	Community Anthropology in Practice: Mapping Intangible Heritage at the Tsodilo Hills
Anthropology	Lesley Gregoricka	Ohio State University	Isotopic Investigation of Mobility, Exchange, and Tomb Membership in a Bronze and Iron Age Arabian World-System
Anthropology	Jennifer Hodgson	City University of New York, Graduate Center	A GIS-based approach to the study of carnivore damage to bones: an assessment of Plio-Pleistocene hominin-carnivore competition at Kanjera South, Kenya
Anthropology	Sharon Kessler	Arizona State University	Using living mouse lemurs to model the origins of primate sociality: Do wild mouse lemurs use vocalizations as a mechanism for recognizing kin and forming social groups?
Anthropology	Britney Kyle	Ohio State University	Reconstructing health and activity at ancient Apollonia, Albania: Impacts of Greek colonization
Anthropology	Virginia Mckay	University of Memphis	The Efficacy of an HIV Education Program: Kampala, Uganda
Anthropology	Nidia Merino Chavez	Ohio State University	Mexicanidad in Ohio: Identity and Stress in Columbus
Anthropology	Alex Morrison	University of Hawaii, Manoa-Hawaii	Environmental Variability and Island Settlement History: Easter Island Community Organization and Land Use
Anthropology	Jason Nesbitt	Yale University	Radiocarbon Dating of El Niño Events at Huaca Cortada: Implications for Human-Environment Dynamics in Ancient Peru
Behavioral Ecology	Neeltje Boogert	McGill University	Are good singers better problem solvers? The link between song complexity and foraging skills in wild zebra finches
Behavioral Ecology	Alexali Brubaker	University of California-Davis	The influences of natural and artificial selection on temperament and post-release fitness in captive-bred endangered wild equids
Behavioral Ecology	Maria Chazarreta	Universidad Nacional del Comahue	A Key Species from the Patagonia Forest: Magellanic Woodpecker <i>Campephilus magellanicus</i> , Feeding Habitat Selection and Foraging Behavior
Behavioral Ecology	Henry Colmer	University of North Carolina at Charlotte	Manganese, the "Vibration Signal," and the Regulation of Communication in Honey Bees
Behavioral Ecology	Aron Costello	Miami University Ohio	Do male house mice (<i>Mus musculus</i>) alter their preference for a female based on the presence and dominance rank of another male?

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Behavioral Ecology	Jesse Delia	East Carolina University	Bat predator avoidance and resulting reproductive strategies of the Neotropical glassfrog <i>Hyalinobatrachium fleischmanni</i> (Anura: Centrolenidae)
Behavioral Ecology	Maya deVries	University of California-Berkeley	Intraspecific differences in diet in the formidable marine predator, <i>Neogonodactylus bredini</i> (Stomatopoda, Crustacea)
Behavioral Ecology	Sumit Dhole	University of North Carolina at Chapel Hill	Sexual selection in age-structured populations of <i>Drosophila pseudoobscura</i>
Behavioral Ecology	Christopher Flint	Virginia Polytechnic Institute and State University	Magnetic Orientation in <i>Drosophila Melanogaster</i> Follows Cryptochrome Action Spectrum
Behavioral Ecology	Daniel Holt	Auburn University	The Effect of Noise On Acoustic Communication In <i>Cyprinella Venusta</i>
Behavioral Ecology	Melissa Kjelvik	Michigan State University	Population dynamics and mortality tradeoffs of "bold" and "shy" foraging behaviors: A field study with sunfish
Behavioral Ecology	Mark Laidre	Princeton University	Must lying always increase with greater temptation in nonhumans?
Behavioral Ecology	Kristen Lucia	Miami University Ohio	A field test of the effects of inbreeding on adult prairie voles (<i>Microtus ochrogaster</i>)
Behavioral Ecology	Melissa Meadows	Arizona State University	Does dietary protein affect iridescent ornamentation in Anna's hummingbirds (<i>Calypte anna</i>)?
Behavioral Ecology	Austin Mercadante	Auburn University	Does male eastern bluebird coloration signal competitive ability?
Behavioral Ecology	Gillian Moritz	University of California-Santa Cruz	The ecology and evolution of tarsier visual systems
Behavioral Ecology	Dana Moseley	University of Massachusetts Amherst	Sexual Selection and Signal Function in the Song of Swamp Sparrows
Behavioral Ecology	Zoltan Nemeth	University of Southern Mississippi	The price of information: decision-making in a novel environment
Cell Biology/Biochemistry	Kathleen Berg	University of Minnesota, Twin Cities	Intranasal Application of Neuroprotective Agents for Retinitis Pigmentosa
Cell Biology/Biochemistry	Binyue Chang	School of Medicine, University of South Carolina	The involvement of transcription factors snail and slug in vitreous-mediated EMT in RPE cells using SiRNA
Cell Biology/Biochemistry	Rebecca Cooper	Appalachian State University	Role of <i>potB</i> and <i>potC</i> genes on polyamine transport and biofilm formation in <i>Vibrio cholerae</i>
Cell Biology/Biochemistry	Catharine Culjis	Boston University School of Medicine	Neuropeptide Expression by Epidermal Langerhans Cells
Cell Biology/Biochemistry	Lindsey Draper	Juniata College	A Study of Novel Chromosome Segregation Genes in a Filamentous Bacterium
Cell Biology/Biochemistry	Christopher Drummond	Bowling Green State University	Second Messenger Effects on Larval-Pupal Reprogramming in the Tobacco Hornworm, <i>Manduca sexta</i>

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Cell Biology/ Biochemistry	Kurtis Eisermann	Kent State University	Androgen Regulation of VEGF in Prostate Cancer
Cell Biology/ Biochemistry	Andrea Hanick	Washington and Lee University	Time dependent TCR stimulation for induction of CXCR3 expression by CD8+ T cells
Cell Biology/ Biochemistry	Andrew Holowiecki	Bowling Green State University	Mitochondrial NADH utilization and NADH -> NAD+ transhydrogenation in the adult parasitic nematode <i>Ascaris suum</i>
Cell Biology/ Biochemistry	Ashley Iketani	University of Central Florida	Generation of Transgenic Flies to Identify a putative component of Rho Signaling pathway
Cell Biology/ Biochemistry	Julia Jenkins	University of North Carolina at Wilmington	RNA interference as a tool for investigating the roles of cuticular proteins in biomineralization of the Atlantic Blue crab, <i>Callinectes sapidus</i>
Cell Biology/ Biochemistry	Ryan Johnson	Juniata College	A Biochemical Investigation of Motility-Associated Phosphodiesterases in Non-Motile <i>Streptomyces</i>
Cell Biology/ Biochemistry	Cesar Kenaan	University of Michigan-Ann Arbor	The Functional Importance of Cytochrome P450 Conformational Dynamics
Cell Biology/ Biochemistry	Emily Lambert	Virginia Polytechnic Institute and State University	In vitro Analysis of the <i>Bacillus anthracis</i> Protein SleL
Cell Biology/ Biochemistry	Bhavani Madakashira	Miami University Ohio	The Role of Frs2 α in Lens Development
Cell Biology/ Biochemistry	Christine Moskalik	University of Cincinnati	Investigating the in vivo role of a cytosolic protein during thyroid hormone-dependent development
Cell Biology/ Biochemistry	Arun Paul	Rosalind Franklin University of Medicine and Science	Therapeutic potential of COX-2 inhibitors in treating Kaposi's sarcoma associated herpes virus (KSHV) related Body cavity B cell lymphoma (BCBL)
Cell Biology/ Biochemistry	Nina Poole	University of Memphis	<i>Dermacentor variabilis</i> : Tick Saliva Is a Potential Inhibitor of Breast Carcinoma Migration and Invasion
Cell Biology/ Biochemistry	Aaron Stahl	University of Northern Iowa	A time course study in the development of embryos of " <i>Pimephales promelas</i> " exposed to atrazine
Cell Biology/ Biochemistry	Tamu Talton	University of Central Florida	The regulation of CXCL16 signaling in colorectal cancer metastasis
Cell Biology/ Biochemistry	Hatim Thaker	Northwestern University	Bladder Regeneration Utilizing Autologous Sources of Ureteral Smooth Muscle Cells
Cell Biology/ Biochemistry	Sara Thomas	University of Georgia	Role of reactive oxygen species and nitric oxide in blueberry flower infection by <i>Monilinia vaccinii-corymbosi</i> , a specialized flower-infecting fungus
Cell Biology/ Biochemistry	Yao Yao	State University of New York at Stony Brook	The role of plasmin in MCP-1-induced BBB disruption and PBMC infiltration
Cell Biology/ Biochemistry	Jie Zhu	Miami University Ohio	The role of Wnt signaling in retina regeneration
Cell Biology/ Biochemistry	Ming Zhu	Saint Louis University	Identifying the Critical Enzyme that Ubiquitinates G Protein in Yeast

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Chemistry	Jessica Greger	Hobart and William Smith Colleges	Regiocontrolled synthesis of 3,4-disubstituted-3-pyrrolin-2-ones via a convergent methodology
Chemistry	Andrew Huisman	University of Wisconsin-Madison	Atmospheric dicarbonyl detection via analysis of a spectrally broad laser-induced phosphorescence signal
Chemistry	Rebecca Jarrell	State University of New York, College of Environmental Science and Forestry	Development of a Real-time Optical Sensor for Trace Organic Pollutants
Chemistry	Michelle Meighan	Arizona State University	Separation of Proteins Utilizing a Novel Electrophoretic Exclusion Technique
Computer Science/ Mathematics	Ukwatta Jayarathna	Texas State University-San Marcos	Human Oculomotor Plant Signature Modeling: are there unique and person specific physiological and behavioral features in oculomotor plant eye movement parameters?
Computer Science/ Mathematics	Rijo Santhosh	Tarleton State University	Autonomous self balancing robot
Conservation Biology	Amy Bridges	Rice University	Creating an historic record of cyclones from forest trees ring isotopes in southeastern Madagascar rain forest; implications for lemur demography and climate change
Conservation Biology	Jack Buckland	University of Bristol	Status and conservation of Mauritian fauna and flora threatened by the invading Madagascar giant day gecko, <i>Phelsuma grandis</i>
Conservation Biology	Scott Collenburg	East Stroudsburg University of Pennsylvania	Development of a Yeast Estrogen Screen (YES) Assay to test for estrogenic substances near a Sewage Treatment Plant
Conservation Biology	Ryan Cooper	University of Alaska Fairbanks	Clarifying the taxonomy and conservation status of a poorly-studied Arctic alpine small mammal
Conservation Biology	Steve Doo	California State University-San Marcos	Effects of Ocean Acidification on Planktonic Foraminifers
Conservation Biology	Catherine Haase	SUNY College of Environmental Science and Forestry	A thermal balance and habitat suitability model for moose (<i>Alces alces</i>) in the Adirondack Region of New York State
Conservation Biology	Matthew Igliski	Central Michigan University	Determining if Human Disturbance affects <i>Batrachochytrium dendrobatidis</i> Infection of Green Frogs (<i>Lithobates clamitans melanota</i>) in Michigan
Conservation Biology	Allyson Jackson	College of William and Mary	Survival in a created landscape: radio-tracking fledglings on golf courses
Conservation Biology	Lance La Pierre	University of Hawaii at Manoa	Genetic variation and population structure of <i>Caesalpinia kavaiensis</i> H Mann (Fabaceae) or uhiuhi, a rare, endemic tree of Hawaiian dry and mesic forests
Conservation Biology	Randi Rhodes	University of Hawaii at Manoa	The effects of dispersal on the population dynamics of the Hawaiian Coot, <i>Fulica alai</i>

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Conservation Biology	Natalia Schroeder	Universidad Nacional de Cuyo	Interaction between guanaco (<i>Lama guanicoe</i>) and livestock in Payunia Reserve (Mendoza, Argentina) Towards an integrated proposal for sustainable management
Conservation Biology	Erin Singer	Appalachian State University	Mill dams effects on freshwater mussel growth rates in Alabama streams
Conservation Biology	Eric Triezenberg	Central Michigan University	Investigations into the Existence of Sub-Species in <i>Symphalangus syndactylus</i> Using Mitochondrial DNA
Conservation Biology	Yiwei Wang	University of California-Santa Cruz	Are Dingoes Heroes or Villains in the Bridled Naitail Wallaby story? Evaluating the mesopredator release theory in the context of endangered species management
Conservation Biology	Virginia Winder	University of North Carolina at Wilmington	Mercury (Hg) levels in feathers and blood of two species of coastal sparrows (<i>Ammodramus nelsoni</i> and <i>A. caudacutus</i>) from over-wintering and breeding sites (salt marshes along the North Carolina coast and habitat in northern US and Canada, respectively)
Ecology	Christopher Asquith	Virginia Commonwealth University	Effect of predator foraging and prey population size-structure on prey growth strategies
Ecology	Ashley Baldrige	University of Notre Dame	When predator becomes prey: intraguild predation in an invaded ecosystem
Ecology	Thomas Bentley	Pennsylvania State University	Does Cucumber mosaic virus manipulate the phenotype of tobacco to increase its transmission?
Ecology	Christopher Bertram	University of Illinois	What mechanisms control the prevalence of the micro-parasite <i>Spirobacillus cienkowskii</i> in <i>Daphnia pulex</i> (Crustacea: cladoceran) populations?
Ecology	William Brogan	University of Pittsburgh	Wetland Security: Can submerged aquatic vegetation increase community resistance to insecticide exposure?
Ecology	Kevin Buffington	Idaho State University	Predicting climate-induced shifts of burying beetle distributions
Ecology	Cayelan Carey	Cornell University	The ecosystem and food web impacts of cyanobacterial <i>Gloeotrichia echinulata</i> blooms in an oligotrophic lake in the northeastern United States
Ecology	Rachel Clausing	University of California-Los Angeles	Effects of anthropogenic nutrient inputs on rocky intertidal algal community dynamics
Ecology	Nathan Dappen	University of Miami	The significance of male-typical coloration in female Ibiza wall lizards, <i>Podarcis pityuensis</i>
Ecology	Laura Dugan	University of Texas at Austin	Spread of an Invasive Cichlid in a Desert Spring System in an Important Protected Area in México
Ecology	Mary Duryea	Dartmouth College	Sexual selection at the molecular level: sperm competition and sperm sorting

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Ecology	Eric Floro	Kent State University	Mitochondrial heteroplasmy in Yellow Monkeyflower (<i>Mimulus guttatus</i> , Phrymaceae)
Ecology	Christopher Freeman	University of Alabama at Birmingham	Experimental manipulation of nutrient exchange from cyanobacterial symbionts to marine sponges
Ecology	David Gonthier	University of Toledo	Nutrition, caffeine, and coffee: the influences of plant chemistry on herbivores, ant-mutualists, and predators
Ecology	Sarah Gray	State University of New York at Stony Brook	Microbial metagenomics meets community ecology
Ecology	Maya Groner	University of Pittsburgh	Effects of predator stress on immune function and susceptibility of leopard frogs to the amphibian pathogen <i>Batrachochytrium dendrobatidis</i>
Ecology	Nyeema Harris	North Carolina State University	Does change beget change: impacts of carnivore rarity on ectoparasite community dynamics?
Ecology	Andrew Hein	University of Florida	Do general rules structure ecological communities?
Ecology	Katherine Heineman	University of Nebraska at Lincoln	The Effect of Below-Ground Resources on Woody Density Variation and Above-Ground Biomass Estimates in a Bornean Tropical Forest
Ecology	Erin Hotchkiss	University of Wyoming	Quantifying the patterns and drivers of aquatic ecosystem respiration: Looking beyond common assumptions to understand stream carbon cycling
Ecology	Christopher Howey	Ohio University	The Affects of Prescribed Burning on Reptile Abundances, Movement Rates, and Habitat Selection
Ecology	Kristina Hultgren	St. Olaf College	Impaired waters: The role of biogeochemical, ecological, and hydrological processes that influence stream water quality
Ecology	Christopher Iacoboni	Duke University	Evaluating the Influence of Anthropogenic Nitrogen Deposition on Forest Succession
Ecology	Matthew Kaproth	University of Vermont	Effect of intraspecific competition density on dispersal kernel variation in natural populations of invasive plants: Implications for spread
Ecology	Tyler Kartzinel	University of Georgia	Understanding Epiphytic Plants is Prerequisite to Conservation of Tropical Biodiversity
Ecology	Mike Levine	Western Washington University	The effects of season and microhabitat on the distribution and nutritional contributions of two algal symbionts in the intertidal anemone <i>Anthopleura xanthogrammica</i>
Ecology	Eric Lewallen	University of Toronto Scarborough	Does the Eastern Pacific Barrier limit epipelagic fish dispersal? A population genetic analysis of 12 Pacific flyingfish (<i>Exocoetidae</i>) species
Ecology	Brian Lutz	Duke University	Direct quantification of organic nitrogen in natural waters: Validation of a new high-pressure, tangential-flow nanofiltration method

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Ecology	Nathan Malcomb	Eastern Kentucky University	Long-term tree-ring based productivity estimates of coastal forests in the Pacific Northwest
Ecology	Avni Malhotra	Villanova University	Effects of Hydrological Disturbances on the Carbon Cycle of a Poor Fen in ALberta, Canada
Ecology	Eduardo Martin	Universidad Nacional de Tucuman	Promiscuity among birds with cooperative breeding: ecological and evolutionary implications in <i>Coryphistera alaudina</i> (Furnariidae)
Ecology	Erynn Maynard	University of Mississippi	Restoring <i>Andropogon virginicus</i> and <i>Schizachyrium scoparium</i> to upland forests in northern Mississippi
Ecology	Nicole Miller	Washington University	Stress-adaptation and competition for pollinators: Implications for endemic plants
Ecology	Jason Nelson	Miami University Ohio	The Roles of Managed Grasslands in the Biodiversity and Ecosystems Services of Beneficial Insects in Agricultural Landscapes
Ecology	Jane Ogilvie	University of Toronto	Pollination Facilitation in Subalpine Gentians
Ecology	Nathan Rathbun	Indiana State University	Choice, Copulation & Color: The Effect of Plumage on Alternative Strategies
Ecology	Alexandra Rohde	University of Pittsburgh	Temperature and Water Effects on Phenology and Opportunity for Positive Assortative Mating in <i>Plantago</i>
Ecology	Sean Ryan	Bowling Green State University	Examining the role of isothiocyanates and nitriles on insect "imprinting": Are you my host?
Ecology	Jason Ryndock	University of Mississippi	The Impact of Ecological Restoration on Spider Communities of an Upland, Deciduous Forest in Northern Mississippi
Ecology	Brian Sedio	University of Michigan-Ann Arbor	DNA Barcoding Psychotria-Insect Interactions: Are Herbivores of Species-Rich Plant Genera Specialized Enough to Promote Coexistence?
Ecology	Jason Smith	Pennsylvania State University	Odor-Mediated Foraging in Parasitic Plants
Ecology	Jennifer Smith	University of Montana	Fecundity and body size in a native spider after an exotic plant invasion
Ecology	Erin Spear	University of Utah	The role of soil pathogens in determining the distribution and abundance of tropical plant species across a rainfall gradient
Ecology	Olivia Stanzer	Southwestern University	The Persistence of Pink: Potential ecological influences of ovorubin in egg clutches of <i>Pomacea insularum</i>
Ecology	Tomomi Suwa	Michigan State University	Effects of herbicide on plant-rhizobium mutualism: how rapid evolutionary change influences the outcome of mutualism
Ecology	Linda Svensson	University of Missouri-St. Louis	Interactions between Birds and Pigmented Haemosporidian Parasitex (<i>Maemospordia</i>) in Western Amazonia

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Ecology	Brian Thompson	University of Maryland, College Park	Effect of microbial community composition on European woodwasp fecundity and behavior: a metagenomic approach to evaluating competition and resource allocation
Ecology	Judit Ungvari-Martin	University of Florida	Bird community structure along a tropical productivity gradient: bottom-up effects examined by integrating ecology, behavior and genetics
Ecology	Jonathan Velotta	University of Connecticut	The effects of land-locking on the osmoregulatory physiology of alewife (<i>Alosa pseudoharengus</i>) populations in Connecticut
Ecology	Miguel Villanueva	Instituto de Ecología, A.C.	Insect plant interactions mediated-extrafloral nectaries of the red cedar (<i>Cedrela odorata</i> , Meliaceae) in forest and plantations of central Veracruz
Ecology	Bonnie Waring	University of Texas at Austin	Environmental Drivers of Fungal-to-Bacterial Ratios in Tropical Forest Soils
Ecology	Clemence William	Utah State University	A definitive water budget for a shrub-steppe ecosystem
Ecology	Bill Wills	University of Illinois at Urbana-Champaign	The role of body size distributions in outcomes of interspecific interactions in social insects
Ecology	Kevin Wyatt	Michigan State University	Enhanced Algal Production and Carbon Cycling in Northern Peatlands: Substrate Controls on Decomposition
Engineering	Laura Christianson	Iowa State University	Denitrification Bioreactors for Treatment of Agricultural Drainage
Engineering	Matthew Hood	Drexel University	Enhancement of shape memory effect in remotely actuated magnetic nanoparticle functionalized carbon nanotube polyurethane composites
Engineering	Benoit Lessard	McGill University	Block Copolymer Based Organic Photovoltaic Cells by nitroxide mediated controlled radical polymerization (NMP)
Hydrology/ Geomorphology	Ming-Chu Chen	School of Earth and Atmospheric Sciences, Georgia Institute of Technology	Tectonic, climatic, and anthropogenic influences on ultra-high rate of bedrock incision, Ta-An River Gorge, Taiwan
Hydrology/ Geomorphology	Brandon Edwards	Louisiana State University-Baton Rouge	Field investigation of the effects of grain size distribution and surface moisture on the threshold shear velocity needed to initiate aeolian sand transport
Hydrology/ Geomorphology	Andrew Kowler	University of Arizona	Paleolake-level fluctuations in closed basins of the Southwest USA during the Pleistocene-Holocene transition: paleohydrologic analogs to modern global warming
Hydrology/ Geomorphology	Karen Williams	Montana State University-Bozeman	Organization of stream channels in channel form and energy expenditure

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Paleontology/ Sedimentation	Christina Belanger	University of Chicago	Biological Responses to Climate Change: Physiological and Community-level Responses to the Miocene Climate Optimum (Early Miocene Astoria Formation, Oregon)
Paleontology/ Sedimentation	Robert Boessenecker	Montana State University-Bozeman	Comparative taphonomy of marine vertebrate fossil assemblages in the Mio-Pliocene Purisima Formation of Central California
Paleontology/ Sedimentation	Hilary Christensen	University of Chicago	The Mammalian Transition to Herbivory in the Early Cenozoic
Paleontology/ Sedimentation	Robyn Dahl	University of California-Riverside	Paleoecology and taxonomic composition of Middle Ordovician Laurentian bivalves
Paleontology/ Sedimentation	Miles Henderson	University of Tennessee-Knoxville	Understanding the biological origins of Grypania: Implications for early Earth evolution
Paleontology/ Sedimentation	Paula Mejia-Velasquez	University of Florida	Determining floristic patterns and paleoclimatic conditions in the tropics during the early radiation of flowering plants
Paleontology/ Sedimentation	Catalina Pimiento	University of Florida	Panama as a Paleo-Nursery Area for Giant Shark Babies (Carcharocles megalodon)
Paleontology/ Sedimentation	Joshua Slattery	University of South Florida	Faunal Responses to Late Cretaceous (early Maastrichtian) Ocean/Climate Change in the Western Interior Seaway
Paleontology/ Sedimentation	Richard Tutalo	Sam Houston State University	Variation in owl pellets from the Koanaka Hills, Botswana and the implications for regional paleoenvironmental reconstruction
Paleontology/ Sedimentation	James Zambito	University of Cincinnati	Testing the effects of sea-surface temperature variation on faunal migrations using the fossil record: implications for climate change on geologic timescales
Petrology/ Geochemistry	Charissa Johnson	University of Minnesota, Twin Cities	Magnetic Sourcing
Petrology/ Geochemistry	Indra Sen	Florida International University	Sulfides in Hawaiian Mantle: Can it Explain the Elevated 186Os-187Os Isotopes in Ocean Basalts ?
Petrology/ Geochemistry	Mark Stelten	University of California-Davis	Comparison of U-series crystal ages for zircon and plagioclase from the Rock Mesa eruption of South Sister volcano, Oregon: are these crystals recording the same information?
Petrology/ Geochemistry	Lauren Sutton	San Diego State University	Shocked metamorphic effects on feldspar and quartz in siliceous volcanic rocks from the El'Gygytgyn impact crater, Russia
Petrology/ Geochemistry	Alka Tripathy	Arizona State University	Thermochronology of the Indus Molasse, Northwest Indian Himalaya: Constraining the timing of collision between India and Eurasia
Petrology/ Geochemistry	Kelsey Winsor	University of Wisconsin-Madison	A Mg/Ca-based northwest Atlantic sea surface temperature record for the last two deglaciations
Physics/ Astronomy	Guillermo Blanc	The University of Texas	The VIRUS-P Exploration of Nearby Galaxies (VENGA)
Physics/ Astronomy	Jean-Rene Gauthier	University of Chicago	The Growth of Massive Galaxies

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Physics/ Astronomy	Elizabeth Hook	Rhodes College	Investigation of U-236 Using the Surrogate Reaction Method
Physics/ Astronomy	Jian Liu	University of Arkansas at Fayetteville	Search for Novel High-Temperature Superconductivity and Exotic Magnetism in Complex Oxide Superlattices of ReNiO ₃ /LaAlO ₃ (Re=La, Pr, Nd and Eu)
Physics/ Astronomy	Jamie Lomax	University of Denver	Mass Transfer and the Structure of Beta Lyrae's Accretion Disk
Physics/ Astronomy	Barbara Rojas-Ayala	Cornell University	Metallicity Effects on Planet Formation Around M Dwarfs
Physiology/ Functional Morphology	Matti Asuma	University of Wisconsin-Madison	The Effects of Oxytocin and Cortisol on Muscarinic and G-Protein Coupled Receptor Signaling in Retinal Pigment Epithelial Cells
Physiology/ Functional Morphology	Lela Chilachava	I. Beritashvili Institute of Physiology	The Antipneumococcal Activity of K9 Killer Toxin and its Effect on the Alterations Provoked by S pneumoniae in the Gene Expression, Brain-Blood Barrier Permeability, Immune System and Neuro-immune Interactions of Mice
Physiology/ Functional Morphology	Sarah DuRant	Virginia Polytechnic Institute and State University	Immunocompetence driven tradeoffs mediated by incubation temperature in wood duck (<i>Aix sponsa</i>) ducklings
Physiology/ Functional Morphology	Andrew Fogel	University of Southern California	Differences in gut microbiome communities of two sympatric lemur species (<i>Lemur catta</i> and <i>Propithecus verreauxi</i>) as a function of different dietary strategies
Physiology/ Functional Morphology	Maria Frye	Loyola Marymount University	Energy availability and bone mineral density in runners, dancers, and controls
Physiology/ Functional Morphology	Andrea Holzbauer	University of Wisconsin-Oshkosh	Energetic Cost of an Immune Challenge in Chickadees During Cold Exposure
Physiology/ Functional Morphology	Andris Kronbergs	University of Delaware	Role of T-type (Cav32) Voltage Sensitive Calcium Channel in bone formation in suspended and re-loaded mice
Physiology/ Functional Morphology	Leilani Pasicolan	University of Central Florida	The influence of temperature on electrolocation performance in electric fishes: constraints on sensory system design
Physiology/ Functional Morphology	Jonathan Reichard	Boston University	Unique vasculature of the Brazilian free-tailed bat (<i>Molossidae</i>) facilitates heat and water balance for long distance flight in subtropical regions
Physiology/ Functional Morphology	Michael Steinman	University of California-Davis	Glial regulation of gonadotrophin releasing hormone secretion and reproductive function in response to food availability
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	Julie Widholm	University of Wisconsin-Oshkosh	Thermoregulation and Habitat Preference in Two Species of Tropical Rodents
Psychology	Elizabeth Andresen	University of Wisconsin-Milwaukee	The Roles of External Incentive, Working Memory, and Processing Speed on Continuous Performance Test Performance in College Students with Attention Deficit Hyperactivity Disorder
Psychology	Chin Lin Fulmer	University of Maryland, College Park	Are All Trust Violations the Same? A Dynamical Approach to Trust Dissolution, Trust Recovery, and Cross-Cultural Differences
Psychology	Christopher Heiland	St. Mary	Toward a comprehensive animal model of schizophrenia: A comparison of behavioral phenotypes between male and female rats
Psychology	Steven Holochwost	University of North Carolina at Chapel Hill	Joint Activation of Physiological Systems as a Predictor of Executive Function
Psychology	Thomas Laudate	Boston University	Eye Movements and Hemifield Spatial Biases in Parkinson's Disease: Functional and Structural Measures
Psychology	Daniel Seichepine	Boston University	Effects of Stimulus Contrast and Luminance on Visual Search in Normal Aging and Parkinson's Disease
Psychology	Elizabeth Smith	St. Mary's College of Maryland	Effects of chronic stress duration on behavioral deficits and neuronal activity in a neurodevelopmental model of schizophrenia
Psychology	Adriane Soehner	University of California-Berkeley	Waking Up on the Wrong Side of the Bed: The Effect of Mood Context on Decision Making Following Sleep Deprivation
Systematics/ Evolutionary Biology	Rayna Bell	Cornell University	Evaluating the Pleistocene forest refuge hypothesis in <i>Hyperolius</i> tree frogs of central Africa
Systematics/ Evolutionary Biology	Kevin Burls	University of Nevada, Reno	Conditions for the emergence of isolated subpopulations due to genetic drift
Systematics/ Evolutionary Biology	Vincent Farallo	Texas State University-San Marcos	Evolution of color polymorphism in mottled rock rattlesnakes (<i>Crotalus lepidus lepidus</i>)
Systematics/ Evolutionary Biology	Tricia Goulding	San Francisco State University	Understanding the evolution of marine parasites by examining genetic diversity of acanthocephalan parasites from sand crabs
Systematics/ Evolutionary Biology	Adam Green	University of Rochester	The roles of genetic pre-adaptation and human history on the success of invasive ivy (<i>Hedera</i> spp, Araliaceae) in North America
Systematics/ Evolutionary Biology	Michael Hawkins	University of Colorado at Boulder	The evolution and development of fish barbels
Systematics/ Evolutionary Biology	Chih-Ming Hung	University of Minnesota, Twin Cities	Phylogeography of the Eurasian nuthatch– a multi-gene test of mtDNA patterns

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Systematics/ Evolutionary Biology	Amanda Jamison	Indiana State University	The Importance of Codependency: an Investigation into the Avian Host-Parasite Relationship
Systematics/ Evolutionary Biology	Chandreyee Mitra	University of Nebraska at Lincoln	Is phenotypic plasticity costly? Examining flight- muscle polymorphism in the field cricket <i>Gryllus</i> <i>lineaticeps</i>
Systematics/ Evolutionary Biology	Jamie Oaks	University of Kansas	Comparative Phylogeography of Southern Indochina
Systematics/ Evolutionary Biology	Frank Stearns	University of Maryland, College Park	Approaching an optimum: The effects of random mutation on fitness in natural <i>Arabidopsis</i> <i>thaliana</i> ecotypes
Systematics/ Evolutionary Biology	Yoel Stuart	Harvard University	Competition, niche shift, and adaptive evolution: the response of <i>Anolis carolinensis</i> to competition with an invasive species, <i>Anolis</i> <i>sagrei</i>
Systematics/ Evolutionary Biology	Mridul Thomas	Michigan State University	Rapid evolutionary responses of phytoplankton to rising temperatures
Tectonics/ Geophysics	Evan Bargnesi	University of Kansas	Thermochronometric constraints on detrital provenance and source thermal evolution from a supradetachment basin in Paros, Greece
Tectonics/ Geophysics	Summer Brown	Virginia Polytechnic Institute and State University	Integrating apatite (U-Th)/He and fission-track dating for a comprehensive thermochronological analysis: refining the temporal and spatial history of the Teton Range, Wyoming
Tectonics/ Geophysics	Angela Hull	Kent State University	Testing Models of Paleoproterozoic Crust Formation in central North America
Tectonics/ Geophysics	Gus Seixas	Wesleyan University	Extensional deformation associated with the Wheeler Fault, Lake Mead, USA