

Grants-in-Aid of Research Awards
March 15, 2015 Grant Cycle

Alphabetical by Recipient's Name

Grant Recipient	Research Field	Institution	Study Title
Charles Abbott	Cell Biology/Biochemistry	California: University of California-Riverside	Epigenetic Regulation of Altered Gene Expression in a Mouse Model of Fetal Alcohol Spectrum Disorders
Laura Abondano	Anthropology	Texas: University of Texas at Austin	Male and female reproductive strategies and counterstrategies of two Atelin primates (<i>Ateles belzebuth</i> and <i>Lagothrix poeppigii</i>) in the Ecuadorian Amazon: A socio-endocrinological approach
Clare Adams	Ecology	Iowa: Iowa State University	Environmental DNA: Indirect Detection Methodology for Cryptic Species Conservation
Gustavo Aguilar	Engineering	Louisiana: Louisiana State University-Baton Rouge	Effect of Biomass Particle Size on Yield and Quality of Bio-oil Derived from Induction Heating Pyrolysis
Sakineh Arefi Fard	Paleontology/Sedimentation	Texas: Texas A&M University-College Station	Depositional Environments, Redox Conditions and Sequence Stratigraphy of Permo-Triassic boundary sections in Iran
Eric Armstrong	Physiology/Functional Morphology	California: University of California-Berkeley	Physiological Response of Larval Giant Clams (<i>Tridacna maxima</i>) to Ocean Warming and Acidification
Preston Arnold	Systematics/Evolutionary Biology	Utah: Brigham Young University-Provo	Family Jewels: Organizing the Mega-Diverse Family Buprestidae
Emily Artruc	Paleontology/Sedimentation	New York: State University of New York College of Environmental Science and Forestry	Growth Rate and Ecology of the Giant Heteromorph Ammonite <i>Diplomoceras maximum</i> Using Stable Isotopes of Accretionary Shell Carbonate
Simona Augyte	Physiology/Functional Morphology	Connecticut: University of Connecticut	The taxonomic resolution of the rare and endemic kelp, <i>Saccharina latissima</i> forma <i>angustissima</i> (Laminariales) from the Gulf of Maine

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Gary Baine	Ecology	Florida: University of West Florida	Factors influencing nutrient flux and phytoplankton community structure in Grand Bay National Estuarine Research Reserve, Mississippi
Daniel Becker	Ecology	Georgia: University of Georgia	Resource shifts, population connectivity, and vampire bat rabies dynamics
Ryan Beeman	Ecology	Texas: Southwestern University	The Comparison of Two Species of Pomacea Using Morphometric Analysis
Fred Benham	Systematics/Evolutionary Biology	Illinois: University of Illinois at Urbana-Champaign	The influence of time on salt marsh adaptation in the Savannah Sparrow (<i>Passerculus sandwichensis</i>).
Shijo Benjamin	Cell Biology/Biochemistry	Pennsylvania: Widener University	Investigating the Effect of Acute Nerve Cord Injury on Gene Expression in the <i>Drosophila</i> Nerve Cord
Ruth Bennett	Conservation Biology	New York: Cornell University	Mechanisms and Consequences of Sexual Segregation in Overwintering Golden-winged Warblers (<i>Vermivora chrysoptera</i>)
Meghan Bentz	Behavioral Ecology	Florida: University of Florida	Lovesick Flies: Female mate choice as mediated by sigma virus in <i>Drosophila melanogaster</i>
Elizabeth Berger	Anthropology	North Carolina: University of North Carolina at Chapel Hill	Health Consequences of the Rise of Pastoralism in Northwest China
Thibault Bertrand	Physics/Astronomy	Connecticut: Yale University	Self-Assembly of Granular Phononic Crystals
Julia Bingham	Conservation Biology	Oregon: Oregon State University	Sensitive barnacles: Quantifying life history processes of <i>Pollicipes polymerus</i> in Oregon to evaluate harvest potential
Amber Brace	Ecology	Florida: University of South Florida	The relationship between immune costs and parasite protection

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Camrin Braun	Ecology	Massachusetts: Massachusetts Institute of Technology	Human Influence on Pristine Coral Reefs and Implications for Management
Amanda Broca	Behavioral Ecology	Texas: St. Edward's University	Do cannibalistic mothers discriminate against their own young?
Sarah Burgan	Ecology	Florida: University of South Florida	Host Investment in Defense: Implications for Transmission in the West Nile Virus System
Marissa Cardillo	Physiology/Functional Morphology	New York: Cornell University	Developmental differences between social and solitary spiders: why do social but not solitary huntsman spiders have an extra non- feeding instar?
Benjamin Carlson	Tectonics/Geophysics	Washington: Western Washington University	Late Quaternary to Present tectonic deformation along the Entiat fault, WA
James Carrow	Engineering	Texas: Texas A&M University-College Station	Bioinspired Silicate Nanocomposites for Cartilage Tissue Engineering
Laurel Cepero	Ecology	Colorado: University of Denver	Effects of fire-generated disturbance on multi- trophic interactions
Elizabeth Chang	Systematics/Evolutionary Biology	Kansas: University of Kansas	The role of salinity tolerance on species delimitation and population structure in the invasive hydrozoan <i>Cordylophora</i> <i>caspia</i>
Corie Charpentier	Behavioral Ecology	Delaware: University of Delaware	Effects of acidification on zooplankton behavior
Sarika Chaudhari	Cell Biology/Biochemistry	Texas: University of North Texas Health Science Center at Fort Worth	Inhibition of TGF- β 1/Smad3 pathway mediates anti- fibrotic effect of Store Operated Calcium Entry in Mesangial cells.
Ariana Chiapella	Ecology	Oregon: Portland State University	The implications of trout stocking for contaminants, food webs, and fishermen of mountain lakes

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Jedaidah Chilufya	Cell Biology/Biochemistry	Tennessee: East Tennessee State University	To Determine the Role of Anandamide in Biotic Stress Response in <i>Physcomitrella patens</i>
Lawton Chung	Cell Biology/Biochemistry	New York: State University of New York at Stony Brook	Molecular mechanisms of caspase-1 inhibition by <i>Yersinia YopM</i>
Hamutahl Cohen	Ecology	California: University of California-Santa Cruz	Ecology of the Bee Microbiome: Local and Landscape Drivers of Gut Variation the Blue Orchard Bee
Ellee Cook	Behavioral Ecology	Missouri: University of Missouri-Columbia	Should we apply male territorial models to females? An investigation of the resource holding potential hypothesis in a female lizard
Molly Cook	Behavioral Ecology	Alabama: University of Alabama at Tuscaloosa	Do Acidified Environments Alter Aggression in Mangrove <i>Rivulus</i> Fish?
Kerri Coon	Physiology/Functional Morphology	Georgia: University of Georgia	Gut microbial diversity and function in mosquitoes
Dawn Crawford	Anthropology	Texas: Southern Methodist University	Reorganization of Household Production and Exchange During Terminal Classic Changes and "Collapse" in the Petén at Holtun, Guatemala
Roxanne Cruz-de Hoyos	Ecology	California: University of California-Berkeley	Elucidating the Plasticity of Ecophysiological Traits Along an Elevational Gradient in the Tropical Andes
Kirstie Cummings	Cell Biology/Biochemistry	New York: State University of New York at Buffalo	Pharmacologic Modulation of Spike-timing-dependent Plasticity: A Potential Therapeutic for Fragile X Syndrome
Michael DeLucia	Tectonics/Geophysics	Illinois: University of Illinois at Urbana-Champaign	Relic or Rejuvenation? Constraints from U-Th)/He thermochronology and Structural Analysis on the Uplift of the Ozark Plateau.

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Jeremiah Didion	Physiology/Functional Morphology	Ohio: University of Cincinnati	Spectral absorbance properties of the fiddler crab, <i>U. pugilator</i> opsins and their relationship to conspecific coloration and contrast
Anushka Dikshit	Cell Biology/Biochemistry	Illinois: Southern Illinois University-Carbondale	Study the effects of flaxseed diet on estrogen signaling in ovarian cancer.
Thu Do	Anthropology	Missouri: Saint Louis University	Impact of College Environments on the Spiritual Development of International Students Studying in the United States
Katherine Du Bois	Ecology	California: University of California-Davis	Phenotypic diversity within seagrass (<i>Zostera marina</i>) influences primary productivity and plant-herbivore interactions
Rachelle Dugue	Cell Biology/Biochemistry	New York: SUNY Downstate Medical Center	The Effect of the Novel Calpain-Inhibitor Gabadur on Traumatic Brain Injury
Hilary Duke	Anthropology	New York: State University of New York at Stony Brook	Cause and Consequence: Adaptation vs. Exaptation in the Origins of Stone Tool Shaping at Kokiselei, Kenya (~1.8-1.76 Ma)
Mainak Dutta	Cell Biology/Biochemistry	India: Indian Institute of Technology, Kharagpur	Metabolomics in endometriosis: Insight into host gut microbiome and metabolome interaction, biomarker identification and diagnostics
Marietta Easterling	Physiology/Functional Morphology	Washington: Washington State University	Examining the effects of leptin on regenerative limbs in of <i>Xenopus laevis</i> tadpoles
Nancy Echeverri	Cell Biology/Biochemistry	Ohio: Miami University Ohio	NAC induces chick retina regeneration via stem/progenitor cell expansion
Sebastian Echeverri	Behavioral Ecology	Pennsylvania: University of Pittsburgh	Effect of Background Motion on Evolution of Dynamic Courtship Displays

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Zachary Emberts	Behavioral Ecology	Florida: University of Florida	Female copulatory behavior in the common squash bug <i>Anasa tristis</i>
Matthew Eng	Cell Biology/Biochemistry	Indiana: University of Notre Dame	Deciphering host factors for dengue infection in <i>Aedes aegypti</i> mosquito
Dave Enriquez	Physiology/Functional Morphology	California: University of California-Riverside	Effect of Genetically Modified Soybean Oil (Plenish) on Pain Threshold
Ti Eriksson	Behavioral Ecology	Arizona: Arizona State University	Ecological context of cooperation-how abiotic environment promotes joint founding among ant queens
Jay Falk	Behavioral Ecology	New York: Cornell University	The function of female ornamentation in a polymorphic hummingbird
Danielle Finger	Cell Biology/Biochemistry	North Carolina: East Carolina University	Investigating the role of Hrb27c in the regulation of female germline stem cell activity
Jay Franck	Physics/Astronomy	Ohio: Case Western Reserve University	Identifying Proto-clusters surrounding high redshift ($z \sim 2$) Quasars using DECam
Amanda Franklin	Behavioral Ecology	Massachusetts: Tufts University	Hiding in plain sight: stomatopod communication and camouflage
Elizabeth Frost	Physiology/Functional Morphology	Louisiana: Louisiana State University-Baton Rouge	Response of Fibroblast Growth Factor 21 to Protein Balance in Humans
Charlotte Gabrielsen	Ecology	Wyoming: University of Wyoming	Biodiversity in the context of climate change: Implications of altered wetland ephemerality in prairie wetlands
Josiah Gantz	Physiology/Functional Morphology	Ohio: Miami University Ohio	The mechanisms of drought-induced rapid cold-hardening: the role of autophagy
Jacob Gaskill	Ecology	Michigan: Grand Valley State University	A Spatial and Temporal Examination of Microcystis Distribution in an Oligotrophic Lake, Michigan

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Sean Gaynor	Petrology/Geochemistry	North Carolina: University of North Carolina at Chapel Hill	Determining the Magma Genesis of Molybdenite Porphyries
Vahid Golkhou	Physics/Astronomy	Arizona: Arizona State University	Time-domain Analysis of Transient Phenomena in Astronomy and Astrophysics such as Gamma-ray Bursts (GRBs)
Christopher Gonzalez	Systematics/Evolutionary Biology	New Hampshire: Plymouth State University	Hox Gene Expression and Appendage Development in the Mayfly <i>Hexagenia limbata</i>
Travis Goodloe	Cell Biology/Biochemistry	Virginia: Hampden-Sydney College	Validation of a Quantitative Polymerase Chain Reaction (qPCR)-based Method for Detecting Lymph Node Metastasis by Melanoma Cells
Enrique Gracian	Psychology	Wisconsin: University of Wisconsin-Milwaukee	An examination of the validity of WebEXEC among individuals living with HIV.
Dmitry Gritsenko	Engineering	Illinois: University of Illinois at Chicago	Exploring of oscillating-bubbles-based acoustic lasers
Travis Guy	Ecology	Florida: University of Florida	Effects of megaherbivore extinction and climate change on pollination networks in an African savanna
Emily Hall	Ecology	Washington: Washington State University	Does road salt influence the probability of disease-associated die-offs of larval amphibians?
Samuel Halverson	Physics/Astronomy	Pennsylvania: Pennsylvania State University	Using spatial light modulation technology to reduce modal-noise in astronomical optical fibers and improve exoplanet detection sensitivity
James Ham	Cell Biology/Biochemistry	Pennsylvania: Carnegie Mellon University	Optimization and Characterization of Anti-MUC1 Biotin Binding Immune Receptor

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Shaylyn Hatch	Ecology	Ohio: University of Akron	Using stable isotope analysis to determine origins of spring migrant bats in the western basin of Lake Erie
Shannon Hodges	Anthropology	Texas: Texas A&M University-College Station	Effects of habitat destruction on parental care and associated hormones in the Critically Endangered San Martín titi monkey, <i>Callicebus oenanthe</i>
Joshua Horns	Conservation Biology	Utah: University of Utah	The effects of human land-use on migratory bird stopover sites
Katherine Hovanes	Ecology	Louisiana: Louisiana State University-Baton Rouge	Effect of spatial pattern of a dominant competitor on community assembly processes
Carl Jacobsen	Ecology	North Carolina: Appalachian State University	Evolutionary trade-offs between opaque and clear egg masses in spotted salamanders (<i>Ambystoma maculatum</i>)
Seyed Sajad Jazayeri	Tectonics/Geophysics	Florida: University of South Florida	Improvement in Anti-Personnel landmines detection using Ground Penetrating Radar
Sean Johnson	Physics/Astronomy	Illinois: University of Chicago	Characterizing the gaseous halos around galaxies
Suhasini Joshi	Cell Biology/Biochemistry	Nebraska: University of Nebraska at Omaha	The discovery of a new marker of activated pancreatic stellate cells: A novel therapeutic target for pancreatic cancer
Adam Keasling	Cell Biology/Biochemistry	Mississippi: University of Mississippi	Evaluation of salvinorin A-based dual-affinity KOR/MOR molecular probes.
Caroline Keroack	Ecology	Massachusetts: Smith College	Possible Host Switching in Seal Heartworm (<i>Acanthocheilonema spirocauda</i>)
Rasib Khan	Computer Science/Mathematics	Alabama: University of Alabama at Birmingham	Secure Obfuscated PIN Authentication for ATM and PoS using Personal Mobile and Wearable Devices

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Holly Kilvitis	Ecology	Florida: University of South Florida	Effects of Early-life Immune Challenge on Avian Resistance in Adulthood: An Epigenetic Approach
Kylee Kleiner	Systematics/Evolutionary Biology	Texas: Sam Houston State University	Preliminary investigation of the fossorial fore legs of Gryllotalpidae (Orthoptera) diversity driven by Soil Variation
Stephanie Klemm	Cell Biology/Biochemistry	Illinois: Rockford University	Photodynamic Therapy as an Alternative to Antibiotics Against Ocular Infections
William Kochen	Psychology	Virginia: George Mason University	The Creation of a Triple Transgenic Mouse for Late Onset Alzheimer's Disease.
Rebecca Koelln	Chemistry	New York: State University of New York at Stony Brook	Synthesis of Diarylethene Derivatives for Use as Switchable Molecular Catalysts
Bhuvaneswari Koneru	Chemistry	Texas: University of North Texas Health Science Center at Fort Worth	Radiotherapeutic Bandage For Treatment of Skin Cancer
Benjamin Kreitner	Hydrology/Geomorphology	Indiana: Ball State University	Factors influencing abundance and degradation of sucralose in the Ohio River
Zi Xun Kua	Ecology	Ohio: Ohio State University	Temperature and hypoxia effects on the behavior of the Lake Tanganyika cichlid, Julidochromis ornatus
Paige Kulling	Cell Biology/Biochemistry	Virginia: University of Virginia	Elucidating Viral Tumor Antigen Reactivity in LGL Leukemia with and without Rheumatoid Arthritis
Rebecca Kulp	Ecology	New York: State University of New York at Stony Brook	Comparing functional response curves across a structural density gradient with increasing intraspecific competition.
Rachel Lane	Cell Biology/Biochemistry	Ohio: University of Findlay	The mysteries of fertilization: Reducing oxidative stress through melatonin and tannic acid supplementation
Emily Leiner	Physics/Astronomy	Wisconsin: University of Wisconsin-Madison	Modeling the Mass-Transfer Evolution of Blue Stragglers

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Cynthia Lewis	Conservation Biology	Florida: Florida International University	Pillar Coral on the Florida Reef Tract: Genetics, Bleaching and Disease
John Lindner	Cell Biology/Biochemistry	California: University of California-Riverside	Neuroscience and Physiology
Drew Linsley	Psychology	Massachusetts: Boston College	Co-occurrence statistics in the visual system support scene recognition
Sarah Livengood	Anthropology	Arkansas: University of Arkansas at Fayetteville	Dental Microwear of the Hadza: Implications for the Evolution of Human Diet
Keri Lydon	Ecology	Georgia: University of Georgia	The antimicrobial triclosan as a selective agent for the marine pathogen, <i>Vibrio</i> , in urban coastal waters
Martha Lyke	Anthropology	Texas: University of Texas at San Antonio	A molecular analysis of entomophagy by sympatric, omnivorous guenons (<i>Cercopithecus ascanius</i> , <i>C. mitis</i>) in Kibale National Park, Uganda.
Geoffrey Malick	Hydrology/Geomorphology	Washington: Western Washington University	Timing Constraints and Hazard Investigation of the Van Zandt Landslide Complex, WA
Joseph Mallalieu	Hydrology/Geomorphology	United Kingdom: University of Leeds	Quantifying lacustrine ice-margin dynamics in West-Greenland using Structure-from-Motion
Margo Malone	Ecology	New York: Syracuse University	Evaluating the effect of arbuscular mycorrhiza fungi on agriculture
Brian Mandella	Cell Biology/Biochemistry	Oregon: Eastern Oregon University	Development of DNA biosensor for rapid detection of <i>Renibacterium salmoninarum</i>
Lily Mao	Chemistry	Illinois: Northwestern University	Effects of polymer functionalization on nanoscale mechanical behavior of graphene oxide

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Christopher Mayerl	Physiology/Functional Morphology	South Carolina: Clemson University	Do novel muscle arrangements result in a change in neuromotor control? A test of the neuromotor conservation hypothesis in the two extant suborders of turtles
Jamie McDevitt-Irwin	Ecology	British Columbia: University of Victoria	The unseen world of coral reefs: biodiversity of, and human impacts on, the coral microbiome
Lorna McFarlane	Ecology	California: California State University-Northridge	Effect of rising ocean temperatures on metabolic rates of key herbivorous reef species
Mariah McIntosh	Systematics/Evolutionary Biology	Montana: University of Montana	AMF Dependency, Local Adaptation, and Specificity in Two Populations of <i>Mimulus guttatus</i>
Jennifer McLeod	Petrology/Geochemistry	Wisconsin: University of Wisconsin-Oshkosh	Plagioclase phenocrysts as recorders of processes that modify primitive basalts of the Southern Cascades
Christina Mirarchi	Cell Biology/Biochemistry	Pennsylvania: Saint Joseph's University	Investigating the role of the AgpT protein as an activator of the melA-agp operon in <i>Sinorhizobium meliloti</i>
Sayantana Mitra	Cell Biology/Biochemistry	Ohio: Miami University Ohio	Investigation of MMDL genes for role in proper male meiosis and pollen development in <i>Arabidopsis thaliana</i>
Emily Moes	Anthropology	Idaho: Boise State University	Reading Between the Lines: Indicators of Developmental Stress in Prehistoric Ohio Valley Children from Linear Enamel Hypoplasia
Jennifer Moore	Conservation Biology	Florida: University of Florida	Biodiversity Conservation and Monitoring in Nyungwe National Park, Rwanda
Ana Morales	Anthropology	Alberta: University of Calgary	Exploring Greater Nicoya populations during the Sapoá Period (A.D. 800-1350): an approach based on mitochondrial ancient DNA

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Sean Moyer	Ecology	Mississippi: University of Mississippi	Testing the relationship between biodiversity and community invasibility in a restored oak-hickory woodland
Benson Munyan	Psychology	Florida: University of Central Florida	Do Olfactory Stimuli Increase Presence during Exposure Tasks: A Comparative Study
Monica Myers	Behavioral Ecology	Alberta: University of Calgary	Estrogenic Plant Consumption in White-faced Capuchin Monkeys (<i>Cebus capucinus</i>)
Daniel Newhouse	Behavioral Ecology	North Carolina: East Carolina University	Variation in parental care and its influence on telomere length
Quang Nguyen	Cell Biology/Biochemistry	North Carolina: Duke University	Pre-infection B cell repertoire primed by the gut commensal bacteria enhances post-infection SIV envelope gp120-specific antibody response in African green monkey
Eden Odhner	Behavioral Ecology	Pennsylvania: University of Pittsburgh	Leveraging genetically-induced variation in genitalia to investigate how trait variation impacts functions involved in sexual selection.
Soty Odoh	Tectonics/Geophysics	Texas: University of Houston	COARSE GRAIN PROGRADATION IN A FORELAND BASIN: APPLICATION OF DETRITAL ZIRCON DOUBLE DATING TO CENOZOIC STRATIGRAPHY, EASTERN CORDILLERA, COLOMBIA
Emily Orzechowski	Paleontology/Sedimentation	California: University of California-Berkeley	Reconstructing the paleoenvironment of no-analogue fossil communities: an investigation of thermally anomalous assemblages from the last interglacial period in California

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Kelly Ostrofsky	Anthropology	District of Columbia: George Washington University	Juvenile positional behavior in wild chimpanzees: A pilot study at Gombe National Park, Tanzania
M. Aaron Owen	Behavioral Ecology	New York: The Graduate Center, The City University of New York	Relaxed sexual selection after introduction in the small Indian mongoose
Julián Padró	Systematics/Evolutionary Biology	Argentina: Universidad de Buenos Aires	Artificial selection for alkaloids resistance in species of the genus <i>Drosophila</i> : Measurement of direct and correlated responses with implications in the processes of speciation by ecological specialization
bailey peck	Physiology/Functional Morphology	North Carolina: University of North Carolina at Charlotte	The Use of FLAG-TAG Technique to Demonstrate Phosphorylation Activity of GR β in C2C12 Cell Line
Ashley Pennington	Engineering	New Jersey: Rutgers, The State University of New Jersey	Visible-Light Photocatalytic Reforming of Methanol over Metal-Modified Flame Synthesized Titanium Dioxide Support
Melanie Perello	Ecology	New Hampshire: Plymouth State University	Linking past and present effects of land-use vs climate change on water quality in northern New England lakes
Morgan Pfander	Behavioral Ecology	Oklahoma: Oklahoma State University	An investigation of underlying assumptions of capture-recapture estimators: capture heterogeneity in black bears (<i>Ursus americanus</i>) in southeast Oklahoma
Lori Phillips	Anthropology	Washington: Washington State University	Maya Turkey Management and Domestication at Mayapan
Alex Pilote	Ecology	Georgia: University of Georgia	How does plant hydraulic architecture relate to drought resistance?
Jerald Pinson	Systematics/Evolutionary Biology	Florida: University of Florida	Comparative transcriptomics of generational gene expression in ferns

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Damon Platt	Cell Biology/Biochemistry	California: University of California-Riverside	Mechanisms in the Brain Leading to Metabolic Impairment via Acute Ozone Exposure
Veronica Prush	Tectonics/Geophysics	California: University of California-Davis	Constraining the statistical distribution of Beryllium-10 clast ages from surfaces offset by the Death Valley – Fish Lake Valley fault system
Kelsey Pugh	Anthropology	New York: The Graduate Center, The City University of New York	Phylogenetic Relationships of Mid-Late Miocene Hominoids: Implications for Understanding Great Ape and Human Evolution
Ian Pyle	Physiology/Functional Morphology	Kentucky: University of Louisville	Glycine Receptor Expression in the Developing Mouse Retina
Malcolm Ramsay	Anthropology	Ontario: University of Toronto	Assessing the Effects of Roads on the Dispersal Ability of Mouse Lemurs (<i>Microcebus</i> spp.)
Andrew Rankin	Ecology	Michigan: Northern Michigan University	Molecular evolution of a biological indicator species: the American pika (<i>Ochotona princeps</i>)
Eric Rayfield	Ecology	North Carolina: Appalachian State University	Gene flow barriers among <i>Bombus</i> spp. populations in the Southern Appalachians
Amy Remer	Physiology/Functional Morphology	Indiana: University of Notre Dame	Extracellular Responses to Loading in the Mammalian Temporomandibular Joint Disc
Antonia Rizo	Cell Biology/Biochemistry	California: University of California-Riverside	Progression of Liver Disease in Mice Fed High Soybean Oil Diet
Paul Robinson	Chemistry	California: University of California-Los Angeles	The pressure dependent nature of the chemical bond
Allison Rossman	Ecology	Washington: University of Washington	Scales of time and space in the response of forest understory vegetation to restoration treatments

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Allison Rubin	Petrology/Geochemistry	California: University of California-Davis	Understanding variations in thermal histories across time and space at the Taupo Volcanic Zone, New Zealand
Juliette Rubin	Ecology	Idaho: Boise State University	The evolution of anti-bat strategies in Moon moths
Mark Sandfoss	Physiology/Functional Morphology	Florida: University of Florida	Rates of water flux in a unique insular population of pitviper.
Harmony Saunders	Cell Biology/Biochemistry	California: San Diego State University	The Role of Androgen Receptor in MHC Class II Expression and its Implications in the Racial Disparity in Prostate Cancer
Sandra Schachat	Systematics/Evolutionary Biology	Mississippi: Mississippi State University	Reconstructing ancestral wing patterns in moths
Katherine Schaefer	Conservation Biology	Kentucky: Murray State University	Bat Species Occurrence and Habitat Use at Land Between the Lakes National Recreation Area, KY After White Nose Syndrome Detection
Katharina Schreier	Physiology/Functional Morphology	Oklahoma: Oklahoma State University	Balancing behavior and immune responses to avoid infection
Emily Schultz	Ecology	Texas: Rice University	The importance of within-patch heterogeneity for metapopulation dynamics
Megan Schwalenberg	Anthropology	North Carolina: North Carolina State University	Analysis of Frailty in the Lower Illinois Valley during the Transition to Agriculture through Periosteal Lesions
Judith Sclafani	Paleontology/Sedimentation	Pennsylvania: Pennsylvania State University	Spatial heterogeneity as a driver of diversity and abundance structure in tropical shallow marine communities, San Salvador Island, Bahamas
Johanna Shattuck	Physiology/Functional Morphology	Nebraska: University of Nebraska at Lincoln	Sonar Device to Aid Motor Skill Acquisition and Physical Therapy

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Gregor-Fausto Siegmund	Ecology	New York: Cornell University	A field experiment to investigate the evolutionary history of species interactions in competitive plant communities
Anna Sjodin	Ecology	Connecticut: University of Connecticut	Bat Biodiversity and Disease Dynamics: The Dilution-Amplification Debate
Eryn Slankster	Cell Biology/Biochemistry	Michigan: Oakland University	Nerve Damage Involvement in the Immune Response using a mouse model of Critical Limb Ischemia
Kieran Slattery	Psychology	Pennsylvania: Saint Joseph's University	Consequences of Prozac Use on Maternal Care
Michael Smith	Behavioral Ecology	New York: Cornell University	Identifying the cues that reliably indicate colony size in honey bee colonies
Jay Stafstrom	Systematics/Evolutionary Biology	Nebraska: University of Nebraska at Lincoln	Sensory System Trade-offs in the Net-casting Spider, <i>Deinopis spinosa</i>
Denon Start	Ecology	Ontario: University of Toronto	Effects of patch size, isolation, and trophic position on stochastic community assembly
Meredith Steck	Behavioral Ecology	Minnesota: University of Minnesota, Twin Cities	The role of competition in driving novel resource use of individual butterflies
Charlotte Stinson	Physiology/Functional Morphology	Florida: University of South Florida	Feeding Mechanisms of Newts and True Salamanders (Family Salamandridae): Trade-Offs Between Aquatic and Terrestrial Feeding Performance
Faten Taki	Physiology/Functional Morphology	North Carolina: East Carolina University	mir-2.1: a candidate trigger for transgenerational inheritance of nicotine-imprinted germ cells in <i>C.elegans</i>
Brendan Talwar	Conservation Biology	Florida: Florida State University	Comparative stress physiology and post-release survivorship of deep sea sharks
Qing Tang	Paleontology/Sedimentation	Virginia: Virginia Polytechnic Institute and State University	Multicellular microfossils from the Tonian Liulaobei Formation in North China

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Roha Mariam Thomas	Psychology	Oklahoma: Oklahoma State University	Inhibitory control in bilingual children: Electrophysiological correlates of auditory Stroop effect.
Elizabeth Thompson	Petrology/Geochemistry	Illinois: University of Chicago	Equation of state of FeHx: implications for the Earth's core
Matthew Valdez	Cell Biology/Biochemistry	California: University of California-Riverside	Establishing a Protocol for the Microdissection of Discrete Mouse Hypothermic Nuclei for Gene Expression Profiling of Neuropeptides Derived from Small Coding Regions
Jennifer Wagner	Physiology/Functional Morphology	Virginia: Virginia Polytechnic Institute and State University	The interactive effects of embryonic and post-hatch development on immunocompetence in birds
Benjamin Waitman	Ecology	California: University of California-Davis	Does anthropogenic nitrogen deposition reduce the mycorrhizal mycelium in forest soils?
Emily Walco	Anthropology	Missouri: Washington University in St. Louis	A field assessment of manual manipulation and dexterity during extractive foraging in white-faced capuchins (<i>Cebus capucinus</i>)
BRIAN WANG	Cell Biology/Biochemistry	Texas: University of North Texas Health Science Center at Fort Worth	AMPK Regulates Neurogenesis in the Ischemic Aged Brain.
Mary-Catherine Warnock	Behavioral Ecology	North Carolina: Appalachian State University	Dispersal coupled with hormonal phenotypes as a mechanism to cope with global environmental change in tree swallows
Beck Wehrle	Physiology/Functional Morphology	California: University of California-Irvine	What does it take to be an herbivorous lizard? Revealing the digestive anatomy and physiology of manipulated populations of <i>Podarcis sicula</i>

Grants-in-Aid of Research Awards
March 15, 2015 Grant Cycle

Alphabetical by Recipient's Name

Grant Recipient	Research Field	Institution	Study Title
Jo Werba	Ecology	North Carolina: East Carolina University	Zooplankton Meta-community Structure Over an Extreme Salinity Gradient
James Wiebler	Physiology/Functional Morphology	Ohio: Miami University Ohio	Investigation of urea-nitrogen recycling in a hibernating frog
Michelle Wood	Physiology/Functional Morphology	Illinois: Southern Illinois University-Carbondale	Physiological Acclimation of Peromyscus Sp. to Heat Stress
Alexander Wright	Behavioral Ecology	Delaware: University of Delaware	Unintended lethal and sublethal effects of a bacterial algicide on copepods: towards a novel mitigation strategy for harmful algal blooms
Liu Yang	Physiology/Functional Morphology	Ohio: Ohio State University	Effects of diapause on the expression of aquaporins in West Nile vector mosquito Culex pipiens
D M Shams Zawoad	Computer Science/Mathematics	Alabama: University of Alabama at Birmingham	LINCS: A Trustworthy Litigation Hold Enabled Cloud Storage System
David Zhu	Physiology/Functional Morphology	Connecticut: Yale University	Accuracy and Validity of a Novel Smartwatch Goniometer for Measuring Shoulder and Elbow Range of Motion