

Grants-in-Aid of Research Awards  
October 15, 2001 Grant Cycle

Alphabetical by Recipient's Name

Grant Recipient	Research Field	Institution	Study Title
<b>Barry W. Alto</b>	Ecology	University of Florida	The effects of larval competition on vector competence of container dwelling mosquitoes <i>Aedes albopictus</i> and <i>A. aegypti</i>
<b>Matthew S. Arnold</b>	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	Isolation and Characterization of Alpha and Beta Tubulin genes in the Primitive
<b>Yukiko Asaka</b>	Psychology	Miami University Ohio	The impact of hippocampal theta-trigerring training on aging-related learning deficits
<b>Courtney C. Babbitt</b>	Systematics/Evolutionary Biology	University of Chicago	Developmental Systematics: Synthesizing Phylogenetic and Ontogenetic Information in the Malacostraca (Crustacea)
<b>Kara B. Babrowski</b>	Anthropology	University of Illinois at Chicago	Molecular Analysis of the Taita and their Coastal Neighbors in the Tsavo Region, Kenya
<b>Alise W. Baer</b>	Behavioral Ecology	Indiana State University	Parental behavior and feeding biases in white-throated sparrows ( <i>Zonotrichia albicollis</i> )
<b>Sarbajit Banerjee</b>	Chemistry	State University of New York at Stony Brook	Functionalization of Nanostructures
<b>Allison L. Beck</b>	Paleontology/Sedimentation	University of Chicago	Evolution of Locomotion in the Non-Mammalian Synapsids (AMNIOTA:SYNAPSIDA)
<b>Michelle F. Bezanson</b>	Anthropology	University of Arizona	Ontogeny of Positional Behavior and Limb Use in Three Sympatric New World Primates
<b>Jessie A. Binks</b>	Ecology	University of Toronto	The influence of water quality and biotic interactions on recovery from acidification
<b>Jennifer L. Blanchfield</b>	Cell Biology/Biochemistry	Old Dominion University	Microchimerism for Y-chromosome Bearing Cells in Females with Pediatric Autoimmune Diseases
<b>Stephanie A. Bohlman</b>	Ecology	University of Washington	Remote Sensing of Carbon and Light Dynamics in Tropical Forests: The Importance of Mid-Infrared Light
<b>Daniel I. Bolnick</b>	Systematics/Evolutionary Biology	University of California-Davis	Re-evaluating sympatric speciation in the Cameroon crater lakes
<b>Kristen E. Bower</b>	Cell Biology/Biochemistry	San Diego State University	Repression of MMP-1 by the Novel Protein p21Snft
<b>Kate L. Bradley</b>	Ecology	University of Nebraska at Lincoln	Anthropogenic vs Natural Nitrogen Supply: Does the source matter for microbial community composition and functioning?

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<b>Colleen A. Brenner</b>	Psychology	Indiana University - Bloomington	Neural Integration During Working Memory in Schizophrenia Patients
<b>Eli S. Bridge</b>	Physiology/Functional Morphology	University of Minnesota, Twin Cities	The Effects of Flight-Feather Molt on Wing-Propelled Diving
<b>Brandon r. Burke</b>	Chemistry	University of North Carolina at Wilmington	Determination and isolation of bioactive principles in Lumbee medicinal plants
<b>Scott E. Burnett</b>	Anthropology	Arizona State University	Congenital Defects and Syndromes in Native South Africans
<b>Justin M. Calabrese</b>	Ecology	Arizona State University	The relative influences of local and regional processes on local community structure: experimental tests of theory in flour beetle communities
<b>Pablo Campo-Moreno</b>	Engineering	University of Cincinnati	Destruction of organic pollutants in coal conversion in wastewater by electrochemical process
<b>Nicholas D. Caputo</b>	Physiology/Functional Morphology	Widener University	Longitudinal variation of Troponin T isoforms in rainbow trout ( <i>Oncorhynchus mykiss</i> ) and its relation to muscle activation
<b>Patricia Celis</b>	Behavioral Ecology	Universidad de las Américas Puebla	Comparison of the Blue-footed Booby ( <i>Sula nebouxi</i> ) Mating Behaviour Between a High Density and a Low Density Site
<b>Cristina A. Cellurale</b>	Cell Biology/Biochemistry	Bates College	The Role of Calcium in Kainate- Induced Toxicity of Cultured Rat Forebrain Neurons
<b>Natacha P. Chacoff</b>	Ecology	Universidad Nacional de Tucumán	Forest As Source Of Pollination Services In A The Premontane Subtropical Forest, Argentina
<b>Anne M. Christiansen</b>	Behavioral Ecology	Miami University Ohio	Discrimination between own and conspecific pups under variable conditions
<b>Julie E. Clark</b>	Systematics/Evolutionary Biology	Iowa State University	Quantitative Genetic Component to Female Nest Site Selection in Painted Trutles
<b>Melissa M. Coates</b>	Physiology/Functional Morphology	Stanford University	Temporal resolution of the eyes of a box jellyfish, <i>Tripedalia cystophora</i>
<b>Lawrence L. Cook</b>	Ecology	Idaho State University	The Effect of Moisture on Cesium Uptake by Desert Plants
<b>William J. Cooper</b>	Systematics/Evolutionary Biology	University of Chicago	The effect of pharyngeal jaw performance on oral jaw evolution
<b>Allison M. Cornett</b>	Ecology	University of Cincinnati	A sibling species complex in a coral- reef-dwelling comatulid crinoid in the southern Caribbean

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<b>Jeffrey D. Crane</b>	Physics/Astronomy	University of Virginia	Searching for Local Dark Matter with the Fan Mountain Observatory Bench Spectrograph
<b>Maria d. Cuadrado</b>	Anthropology	Universidad de Buenos Aires	Archaeology and radiocarbon dating in southern Patagonia
<b>Scott E. Culhane</b>	Psychology	University of Texas at El Paso	Monolingual and Bilingual Juror's Processing and Memory for Trial Facts
<b>Diane Curewitz</b>	Anthropology	Washington State University	Identifying Changes in Prehistoric Exchange Networks through Examination of Non-plastic Ceramic Tempering Materials
<b>Sorcha M. Cusack</b>	Cell Biology/Biochemistry	Boise State University	Role of MeCP2 in Neuronal Differentiation
<b>Denise M. Dammann</b>	Ecology	Southern Oregon University	The Effects of Salmon Carcasses on Stream Nutrients: Is the Lack of Salmon Carcasses in Historic Salmonid Strams resulting in Nutrient Limitation?
<b>Julie M. Davis</b>	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	Effect of Growth Surface on IGFBP Expression in Bovine Aortic Endothelial Cells
<b>Amy C. Dawson</b>	Ecology	Laurentian University	The effects of environmental variation on recovering zooplankton communities in historically acidified lakes
<b>Jennifer L. Dearolf</b>	Physiology/Functional Morphology	Cornell University	Compartmentalization of the Florida manatee ( <i>Trichechus manatus latirostris</i> ) diaphragm
<b>Alba B. Dias dos Santos</b>	Paleontology/Sedimentation	Utah State University	Evaluation of Chela Formation in the Kambala-Livuite Area, Southern Block 0, Cabinda, Angola
<b>Minh H. Dinh</b>	Cell Biology/Biochemistry	University of Virginia	Correlation of Hepatitis C Virus Infection with CD81 in Hepatic Allografts
<b>Nicholas Dutton-Swain</b>	Cell Biology/Biochemistry	Middlebury College	A Putative Phosphorelay System Controls GtfS-Mediated Adherence of <i>Streptococcus mutans</i> to the Tooth Pellicle
<b>Chris S. Duvall</b>	Anthropology	University of Wisconsin-Madison	Spatial and temporal distribution of plant use by sympatric humans and chimpanzees in Mali
<b>Andrew J. Edelman</b>	Ecology	University of Arizona	The ecology of introduced Abert's squirrels: Ponderosa pine obligates or conifer generalists?

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<b>Sunday B. Eiselt</b>	Anthropology	University of Michigan-Ann Arbor	Dating Nineteenth-century Hispanic and Apache Indian Archaeological Sites in Northern New Mexico Using Dendrochronology
<b>Paul M. Forlano</b>	Cell Biology/Biochemistry	Cornell University	Seasonal changes in sex steroid profiles modulate glial expression of brain aromatase in a vocal teleost
<b>Jennifer Forman</b>	Ecology	University of Massachusetts Boston	Investigation of hybridization between the invasive plant <i>Fallopia japonica</i> (Japanese Knotweed) and its introduced non-native congeners
<b>Clinton D. Francis</b>	Ecology	Pacific University	Bromeliad Microcosm: An investigation of the island biogeography theory
<b>James C. Fritton</b>	Engineering	Cornell University	Bone Adaptation to Controlled Loading
<b>Holly H. Ganz</b>	Ecology	University of California-Davis	The effects of parasites on genetic diversity in natural populations
<b>Daniel W. Garrigan</b>	Systematics/Evolutionary Biology	Arizona State University	Tempo and Mode of HLA Evolution in the Americas
<b>Aaron J. Gassmann</b>	Ecology	State University of New York at Stony Brook	Effect of an Herbicide-resistance Mutation on the Production of Defensive Compounds
<b>Donovan P. German</b>	Physiology/Functional Morphology	California State University-Fullerton	Digestive Enzyme Activities During Ontogeny in Four Closely Related Species of Prickleback Fishes (Perciformes, Stichaeidae): Genetic Adaptation or Phenotypic Plasticity of Gut Function to Food Type?
<b>David P. Gillikin</b>	Paleontology/Sedimentation	Vrije Universiteit Brussel	The potentials of high-resolution trace element and isotopic profiles in shells of the Kenyan mangrove bivalve <i>Isognomon ehippium</i> as a record of paleoenvironment
<b>Emily L. Goll</b>	Physiology/Functional Morphology	Miami University Ohio	Investigation of Comparative Binding of Secretory IgA to Encapsulated and Nonencapsulated Strains of <i>Cryptococcus neoformans</i>
<b>Eben B. Goodale</b>	Behavioral Ecology	University of Massachusetts Amherst	Vocal communication in mixed-species flocks
<b>Katherine L. Grams</b>	Systematics/Evolutionary Biology	Louisiana State University-Baton Rouge	The Use of Anonymous Nuclear Sequences in Order to Analyze Mitochondrial Versus Nuclear Sequence Data in the Rapidly Evolving Order Squamata

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<b>Kurt A. Gust</b>	Ecology	Louisiana State University-Baton Rouge	Joint-Toxicity of Sediment Amended Cadmium and Phenanthrene in a Population of Freshwater Oligochaetes
<b>Christina T. Halperin</b>	Anthropology	Florida State University	Ancient Maya Craft Production: Figurines from Motul de San Jos�, Guatemala
<b>Jandy B. Hanna</b>	Anthropology	Duke University	Galloping kinetics of primates
<b>Megan L. Head</b>	Behavioral Ecology	University of New South Wales	The costs of sexual harassment on female mate choice in wild guppies
<b>Gretchen L. Hermes</b>	Psychology	University of Chicago	Puberty & Aging in Social Isolation: An Animal Model of Stress, Immunity, and Disease in Psychosocial Context
<b>Andreas Heyland</b>	Cell Biology/Biochemistry	University of Florida	The role of thyroid hormones in echinoderm development: Developmental plasticity and life history evolution
<b>Ryan g. Holzer</b>	Cell Biology/Biochemistry	Boise State University	Investigating the link between oncostatin M-induced matrix metalloproteinase expression and mammary tumor cell invasion in vitro
<b>David C. Housman</b>	Ecology	University of Nevada-Las Vegas	Growth and gas exchange of the Mojave Desert annual <i>Camissonia claviformis</i> under global change
<b>Vance T. Hutchinson</b>	Anthropology	Tulane University	New Investigations in the Lapedo Valley, Portugal
<b>Jeff E. Janovetz</b>	Physiology/Functional Morphology	University of Chicago	Biomechanics and Ecological Morphology of Scale-Feeding in Characin Fishes
<b>Deborah G. Johnson</b>	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	The role of the sigma 70 subunit of RNA polymerase during transcriptional activation of the lux operon
<b>Sarah A. Johnson</b>	Physiology/Functional Morphology	University of Massachusetts Amherst	Mechanism of Male Infertility in Nhlh2 Knockout Mice
<b>Mary E. Jones</b>	Systematics/Evolutionary Biology	University of Charleston	The effects of maternal care on dispersal and population genetic structure of two Haustoriid amphipod species
<b>Shivanjali Joshi</b>	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	Engineering an beta-O-glucosidase to beta-S-glucosidase and vice-versa
<b>Hershel Jude</b>	Chemistry	University of Cincinnati	Electrochemical Characterization of a Two-Electron Reagent

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<b>Miranda A. Karson</b>	Psychology	Michigan State University	Behavioral and Neural Correlates of Simultaneous Discrimination Learning in the Cuttlefish <i>Sepia officinalis</i>
<b>Cheryl L. Katzmarzyk</b>	Anthropology	University of Toronto	Assessment of Age and Sex from Chest Plate X-Rays in a Sri Lankan Autopsy Sample
<b>James S. Kellam</b>	Behavioral Ecology	Purdue University-West Lafayette	Costs of pair bond maintenance among downy woodpeckers during winter
<b>Meredith A. Kelly</b>	Hydrology/Geomorphology	Universität Bern	Surface exposure dating of the ice extent in the western and central Swiss Alps during the Last Glacial Maximum
<b>Stanley J. Kemp</b>	Ecology	University of Pennsylvania	Sources and causes of life history variation between habitats: A reciprocal transplant experiment
<b>Yuki Kobiyama</b>	Physiology/Functional Morphology	Southern Illinois University-Carbondale	Comparative developmental and ultrastructural studies of the specialized parenchyma and/or hydrolyzed cells in bryophytes
<b>Brigitte Kovacevich</b>	Anthropology	Vanderbilt University	The Investigation of Ancient Maya Economic Systems Through a Jade Workshop at Cancuen, Guatemala
<b>Christopher J. Krenz</b>	Ecology	Oregon State University	Are there differences in the influence of recruitment versus post-recruitment processes on barnacle population dynamics at sites that differ dramatically in the amount of recruitment?
<b>Angela I. Kulesza</b>	Cell Biology/Biochemistry	Merrimack College	Localization of 1myr4 in <i>Xenopus laevis</i> embryos
<b>Corinne Kunzelmann-Marche</b>	Cell Biology/Biochemistry	Université Louis-Pasteur	Membrane Microparticles and Prions
<b>Justin R. LaManna</b>	Behavioral Ecology	University of Louisville	The Effect of Predation Risk on Territory Establishment in a cichlid fish ( <i>Steatocranus casuaricus</i> )
<b>Barrot H. Lambdin</b>	Cell Biology/Biochemistry	Millsaps College	The Effects of Heavy Metals on Trout in Soda Butte Creek
<b>Kelly B. Lauter</b>	Cell Biology/Biochemistry	Middlebury College	Characterization of putative metal ion transporters (mac and mnt) as constituents of a <i>Streptococcus mutans</i> Dlg regulon
<b>Adam D. Leache</b>	Systematics/Evolutionary Biology	Louisiana State University-Baton Rouge	Chromosome rearrangements and the origin of cryptic species

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<b>Jared P. LeBoeuf</b>	Physiology/Functional Morphology	Middle Tennessee State University	The effects of the inflammatory cytokine, TNF-alpha, on transformed murine beta-cells of the pancreas
<b>Dennis E. Leikam</b>	Tectonics/Geophysics	California State University-Stanislaus	Geochemical analysis of newly discovered pillow lava in southwest Oregon and their significance
<b>Juan B. Leoni</b>	Anthropology	State University of New York at Binghamton	Testing the Validity of Ceramic Seriation-Based Chronologies in the Central Andes: Carbon Dating the Pre-Hispanic Occupation at the Site of $\text{Trawinpukyo}$ (Ayacucho, Peru)
<b>Daniel F. Levey</b>	Psychology	Indiana State University	Mechanisms of Attention in an Animal Model of Alzheimer's Disease
<b>So-Yon Lim</b>	Cell Biology/Biochemistry	Indiana State University	Induction of anti-DNA antibody with Hapten
<b>Johan S. Lindell</b>	Systematics/Evolutionary Biology	University of Toronto	Genetic interactions among reunited populations
<b>Thomas J. Lisney</b>	Physiology/Functional Morphology	University of Queensland	Colour Perception & The Development Of Vision In Elasmobranchs
<b>Miranda I. Loflin</b>	Petrology/Geochemistry	Vanderbilt University	Characterizing the effects of hydrothermal alteration during contact metamorphism: In-situ oxygen isotope analyses and Th-Pb dating of monazite at Birch Creek pluton, White Mountains, CA
<b>Silvia B. Lomascolo</b>	Systematics/Evolutionary Biology	University of Florida	Evolution of fruit traits in Ficus (Moraceae) : a phylogenetic approach
<b>Joshua S. Madin</b>	Ecology	James Cook University	The importance of substrate strength to the structural integrity of coral colonies
<b>Dane T. Magoon</b>	Anthropology	Southern Illinois University-Carbondale	A Biological Distance Analysis of the Juhle Site Ossuaries (18CH89)
<b>Sarahfaye Mahon</b>	Ecology	Louisiana State University-Baton Rouge	Does Spartina alterniflora influence trophic transfer of metals?
<b>Wendy M. Majewski</b>	Cell Biology/Biochemistry	University of Wisconsin-Whitewater	Development and validation of a partial genomic library of Cyclospora cayetanensis, a newly emerging human parasite
<b>Tricia A. Mallonga</b>	Cell Biology/Biochemistry	Monmouth University	Androgen Regulation of RBD-1 mRNA Expression in the Rat Epididymis

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<b>Dallas S. Masters</b>	Engineering	University of Colorado at Boulder	GPS Bistatic Radar for Soil Moisture Remote Sensing
<b>Jennifer L. Maupin</b>	Behavioral Ecology	Princeton University	Sexual cannibalism and soft copulation in an orb-web spider: male fitness perspectives
<b>Malcolm L. McCallum</b>	Behavioral Ecology	Arkansas State University	Trade-offs in Resource Allocation Between Immune Response and Reproduction in Acris crepitans, a Short-lived Frog
<b>Robert C. McCarthy</b>	Anthropology	George Washington University	The Adaptive Basis of Basicranial Flexion in Humans
<b>John E. McGeary</b>	Psychology	University of Colorado at Boulder	Neuropeptide Y Response to Yohimbine Challenge
<b>Jason S. Meyer</b>	Physiology/Functional Morphology	University of Missouri-Columbia	Embryonic stem cells as a mechanism of repair for neurodegenerative disorders of the mouse retina
<b>Anthony J. Molina</b>	Physiology/Functional Morphology	University of Illinois at Chicago	Calcium Regulation of H <sup>+</sup> Flux from Retinal Horizontal Cells: a Collaborative Study
<b>Michael A. Motes</b>	Psychology	Texas Christian University	Representational Momentum and Representational Gravity Effects on Visual and Visuomotor Reproductions
<b>Michael P. Muehlenbein</b>	Anthropology	Yale University	Reproductive Ecology of Immune Function: Life History Determinants of Immuno-Endocrine Interactions During Plasmodium Infection in Male Non-Human Primates
<b>Michael T. Murphy</b>	Physics/Astronomy	University of New South Wales	A search for variations in the fundamental constants of Nature
<b>Jason C. Mussell</b>	Systematics/Evolutionary Biology	Johns Hopkins University	A Reexamination of Lipotyphla and Afrotheria Based on both Molecular and Morphological Evidence
<b>Lynde L. Nanson</b>	Tectonics/Geophysics	Utah State University	Characterization of Triassic strata, western Ordos basin, north-central China: implications for Mesozoic tectonics of China
<b>Kazuya Naoki</b>	Systematics/Evolutionary Biology	Louisiana State University-Baton Rouge	Community evolution in Neotropical tanagers of the genus Tangara
<b>Julie G. Nealon</b>	Cell Biology/Biochemistry	St Mary's College of Maryland	The role of individual differences in hypothalamic stress hormones in vulnerability to tardive dyskinesia



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<b>Robyn M. Novak</b>	Behavioral Ecology	St Mary's College of Maryland	Humoral immunocompetence in White-throated sparrows ( <i>Zonotrichia albicollis</i> ): Testing the immunocompetence handicap hypothesis
<b>Maria B. Nuñez</b>	Ecology	Universidad Nacional de San Luis	Water availability and minimum water requirement of the Gray Fox ( <i>Pseudalopex griseus</i> ) in a desert habitat
<b>Amy E. O'Connell</b>	Cell Biology/Biochemistry	Merrimack College	Sequencing of <i>Xenopus laevis</i> Myosin X1myr4
<b>Amy E. O'Connell</b>	Cell Biology/Biochemistry	Merrimack College	Sequencing of <i>Xenopus laevis</i> Myosin X1myr4
<b>Sean O'Hara</b>	Anthropology	University of Cambridge	Female sexual signaling and reproduction strategies in chimpanzees
<b>Daniel Ortiz-Barrientos</b>	Systematics/Evolutionary Biology	Louisiana State University-Baton Rouge	Local Adaptation and the Signature of Speciation
<b>Noah T. Owen-Ashley</b>	Behavioral Ecology	University of Washington	Does Testosterone Modulate Sickness Behavior in Birds?
<b>Rhykka L. Panozzo</b>	Cell Biology/Biochemistry	Northern Illinois University	Role of Nitric Oxide in Pancreatic Signaling
<b>Angelique C. Paulk</b>	Physiology/Functional Morphology	Cornell University	Sensori-motor control of head posture in the fly <i>Neobellieria bullata</i> (family: Sarcophagidae)
<b>Stephanie A. Payton</b>	Physiology/Functional Morphology	East Tennessee State University	The Role Of Thyroid Receptors Alpha and Beta mRNA in salamander metamorphosis
<b>Hung T. Pham</b>	Cell Biology/Biochemistry	University of California-San Francisco	The Recurrence Rate of Trichiasis Trachoma Post-Surgery: Does the presence of active Chlamydial trachomatis infection at the time of surgery correlate with higher rates of recurrence?
<b>Charity M. Phillips</b>	Tectonics/Geophysics	Miami University Ohio	Tectonic and Magmatic Processes Associated with Seafloor Spreading in a Marginal Basin as Revealed in the Albanian Ophiolite
<b>Ethan D. Prosen</b>	Behavioral Ecology	University of Louisiana at Lafayette	Sexual coercion by females in the salamander species <i>Plethodon cinereus</i>
<b>Mary A. Raghanti</b>	Anthropology	Kent State University	Salivary cortisol measurements and their relationship to dominance status and tool use in capuchin monkeys ( <i>Cebus apella</i> )

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<b>Stephen M. Redenti</b>	Cell Biology/Biochemistry	Hunter College of The City University of New York	Zinc as Neuromodulator in Vertebrate Retina
<b>Duncan T. Reid</b>	Systematics/Evolutionary Biology	Cornell University	Molecular systematics and biogeography of rattlesnakes
<b>Julie A. Reynolds</b>	Physiology/Functional Morphology	Louisiana State University-Baton Rouge	Differential Gene Expression in Diapausing and Non-diapausing embryos of the ground cricket, <i>Allonemobius socius</i>
<b>Heidi K. Rice</b>	Ecology	Eastern Michigan University	Bats, Insects, and Islands: Predator-prey interactions and the effect of island size on abundance and species richness
<b>Lora A. Richards</b>	Ecology	University of Utah	Controlling forces of herbivores in a tropical forest under natural changes in productivity
<b>Rita V. Rio</b>	Physiology/Functional Morphology	Yale University	Exploring the functional significance of the <i>Wigglesworthia glossinidia</i> symbiosis in tsetse (Diptera: Glossinidae)
<b>Jennifer E. Roberts</b>	Ecology	Georgia Institute of Technology	Molecular Characterization of Microbial Communities Associated with Gas Hydrate Ecosystems
<b>David R. Rogers</b>	Ecology	University of Wisconsin-Madison	The Biogeography of <i>Rhexia virginica</i> in the Great Lakes Region
<b>Percy A. Rojas</b>	Cell Biology/Biochemistry	Universidad Peruana Cayetano Heredia	Effect of <i>Uncaria tomentosa</i> on the Production of Tumor Factor Necrosis - alpha and PGE2 in a <i>in vivo</i> model
<b>Michael J. Rubbo</b>	Ecology	Pennsylvania State University	Linkages between terrestrial and aquatic systems: do inputs of terrestrial matter influence aquatic food webs?
<b>Juan A. Ruiz</b>	Petrology/Geochemistry	University of Illinois at Chicago	Geodynamic significance of the late Tertiary Central Spain volcanic province: a geochemical approach
<b>Aaron S. Rundus</b>	Behavioral Ecology	University of California-Davis	Infrared Radiation as a New Modality of Animal Communication
<b>Terri A. Russ</b>	Anthropology	East Carolina University	Uwharrie Ceramic Distribution in the North Carolina Piedmont
<b>Jeffrey J. Sable</b>	Psychology	University of Missouri-Columbia	Perception vs reality: Perceived tone duration as a function of tone onset asynchrony
<b>Andrew M. Salywon</b>	Systematics/Evolutionary Biology	Arizona State University	<i>Mosiera</i> (Myrtaceae): Caribbean boreotropical relict or Gondwanan origin?

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<b>Sean M. Schaeffer</b>	Ecology	University of Arkansas at Fayetteville	Temporal and spatial variability of the response of microbial activity to elevated atmospheric CO <sub>2</sub> in an intact Mojave Desert ecosystem
<b>Michael C. Scholl</b>	Ecology	University of Cape Town	Great White Shark ( <i>Carcharodon carcharias</i> ) Population Study using Photographic Identification as a Long-Term and Non-Invasive Identification Technique
<b>Eric A. Seavey</b>	Hydrology/Geomorphology	Old Dominion University	Cuatro Cienegas
<b>Sara E. Selgrade</b>	Cell Biology/Biochemistry	Middlebury College	Investigating putative cross regulation among genes necessary for <i>Streptococcus mutans</i> virulence
<b>Kartik Shankar</b>	Cell Biology/Biochemistry	University of Louisiana at Monroe	Role of PPAR- $\alpha$ activation in diabetes-induced protection against acetaminophen hepatotoxicity
<b>Claudio H. Slamovits</b>	Systematics/Evolutionary Biology	Universidad de Buenos Aires	Molecular evolution of highly repeated DNA sequences
<b>Caleb R. Slemmons</b>	Ecology	Wright State University	The Effects of Salicylic Acid on Induced Resistance in <i>Arabidopsis thaliana</i>
<b>Adam D. Smith</b>	Ecology	Boise State University	Examining Goshawk Migration Ecology Using Stable Isotope Analysis
<b>Kathleen C. Somera</b>	Cell Biology/Biochemistry	University of Florida	Abnormalities in cerebral ventricles and subcommissural organ in H-Tx rats with inherited fetal-onset hydrocephalus
<b>Oscar E. Sorensen</b>	Hydrology/Geomorphology	Michigan Technological University	Volcano Hazards at Tungurahua Volcano, Ecuador
<b>James D. Stark</b>	Cell Biology/Biochemistry	University of Massachusetts Boston	A Genetic Screen for Loci Involved in the Repression of <i>Arabidopsis</i> Cyclin B1;1 Expression in a <i>det1</i> Mutant Background
<b>Anita Stone</b>	Behavioral Ecology	University of Illinois at Urbana-Champaign	Relationships Between Feeding Ecology and Delayed Maturation in Squirrel Monkeys
<b>Nathan A. Stutzke</b>	Engineering	Boise State University	High Frequency Noise Characteristics of Spin-Valve GMR Devices
<b>Sara J. Sukontarak</b>	Psychology	St Mary's College of Maryland	Serine Racemase Expression in the Entorhinal Cortex in Schizophrenia and in a Rat Model of Tardive Dyskinesia

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Grant Recipient	Research Field	Institution	Study Title
<b>John J. Sullivan</b>	Physics/Astronomy	University of Wisconsin-La Crosse	High Resolution Spectroscopy of Partially Deuterated Methanol Isotopes
<b>Ernest F. Talarico</b>	Cell Biology/Biochemistry	Indiana University School of Medicine	Characterization of Plasma Membrane Calcium - ATPase Pump in Normal and Diseased Corneal Epithelium
<b>Ninitha Tharalla</b>	Chemistry	University of North Carolina at Wilmington	Isolation and structural determination of Bioactive compounds in Zingiberaceae
<b>John W. Thompson</b>	Physiology/Functional Morphology	University of Miami	Maintaining glutamate homeostasis during long-term anoxia
<b>Jaime L. Toney</b>	Paleontology/Sedimentation	Northern Arizona University	The Paleocological Record from Little Molas Lake, San Juan Mountains, CO
<b>Helen M. Tretiak</b>	Psychology	Bowie State University	Visuospatial Deficits in Hemiparkinsonism
<b>Chia-huei Tseng</b>	Psychology	University of California-Irvine	Mechanisms of Stereoptic Motion Standstill
<b>Kristi E. Turner</b>	Anthropology	University of Southern Mississippi	Non-metric Skeletal Traits: Activity-related or Genetic?
<b>John G. Van Hoesen</b>	Hydrology/Geomorphology	University of Nevada-Las Vegas	A comparative scanning electron microscopy study assessing the micromorphology of glaciated clasts of different lithologies
<b>Heather D. Vance</b>	Ecology	University of Illinois at Urbana-Champaign	Differences in microhabitat use among multiple predator species: Implications for prey communities
<b>April D. Vega</b>	Anthropology	University of Southern Mississippi	Old and Full of Days: Aging Human Remains at Tipu Using Principles of Oral Biology
<b>Danel B. Vickerman</b>	Ecology	University of California-Riverside	Transfer of selenium in insect herbivores to the third trophic level: Bioaccumulation in a model predator
<b>Gunaranjan Viswanathan</b>	Engineering	Rensselaer Polytechnic Institute	A Novel, Versatile, Strictly Physical Method For Making Nanoparticles And Nanoparticle-In-Polymer Composites
<b>Eric J. von Wettberg</b>	Ecology	Brown University	Sibling competition and inter-annual variation in seed characteristics in <i>Liatris borealis</i>
<b>Ajai Vyas</b>	Psychology	Unknown Institution	Neural substrate for stress-induced anxiety

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Alphabetical by Recipient's Name

Grant Recipient	Research Field	Institution	Study Title
<b>Faith A. Waldron</b>	Behavioral Ecology	Bowling Green State University	Effect of Negative Incentive Contrast and Flower Complexity on Flower Constancy
<b>Matt D. Wallenstein</b>	Ecology	Duke University	Effects of Anthropogenic Nitrogen Deposition on Denitrifier Community Structure
<b>Emily O. Walsh</b>	Tectonics/Geophysics	University of California-Santa Barbara	Foreland to hinterland regional variation in pressure-temperature-deformation histories of the Norwegian UHP-HP terrane
<b>Andrea B. Ward</b>	Systematics/Evolutionary Biology	University of Massachusetts Amherst	Substrate Use in Bottom-Walking Fish
<b>Jana J. Watson</b>	Behavioral Ecology	Georgetown University	Altered female bottlenose dolphin behavior ( <i>Tursiops</i> sp) during sexual coercion and possible counterstrategies in Shark Bay, Western Australia
<b>Steven A. Wernke</b>	Anthropology	University of Wisconsin-Madison	Pots and politics: Petrographic analysis of local and Inka ceramics of the Colca valley, Peru
<b>Robin L. Whatley</b>	Paleontology/Sedimentation	University of California-Santa Barbara	Phylogenetic Placement of the Malagasy Rhynchosaur (Basal Isalo II Unit, Southwestern Madagascar)
<b>Mindy B. Wilkes</b>	Cell Biology/Biochemistry	Miami University Ohio	Characterization of the novel <i>Candida albicans</i> Lys5p
<b>Anna O. Williford</b>	Systematics/Evolutionary Biology	University of Iowa	Evolution of Milk gene family
<b>Sue D. Wolf</b>	Anthropology	University of Colorado at Denver	Comparison of the Traditional US Planning Paradigm with a Navajo (Dine') Community Planning Paradigm--emphasizing concepts of the environment and sustainability
<b>Boon-Seng Wong</b>	Cell Biology/Biochemistry	Case Western Reserve University	Detection of Protease-resistant Prion Protein in Blood using an Array of Antibodies
<b>Gabriel D. Wrobel</b>	Anthropology	Indiana University - Bloomington	Testing models of Postclassic Maya migration models at Seibal and Barton Ramie: an analysis utilizing dental metric and nonmetric traits
<b>Laura A. Wysocki</b>	Petrology/Geochemistry	Tulane University	Sources of organic carbon to the Louisisana shelf: spatial and benthic-coupling dynamics

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<b>Yingfeng Xu</b>	Petrology/Geochemistry	Tulane University	Speciation of Sr in Particulates from the Mississippi River Mixing Zone: Constraining Sr Geochemistry in the Coastal Environment
<b>Gregor M. Yanega</b>	Physiology/Functional Morphology	University of Connecticut	Functional Components of Insect Capture in Hummingbirds
<b>Lauren M. Young</b>	Ecology	University of Nebraska at Lincoln	Effects of Native Herbivores on Bull Thistle Invasion
<b>Michelle M. Yuen</b>	Behavioral Ecology	University of Hawaii at Manoa	Audiometric and Genetic Analysis of a Melon-headed Whale ( <i>Peponocephala electra</i> )
<b>Kirk S. Zigler</b>	Systematics/Evolutionary Biology	Duke University	Speciation in the Sand Dollars