

**Grants-in-Aid of Research Awards**  
**October 15, 2000 Grant Cycle**

Alphabetical by Recipient's Name

<b>Grant Recipient</b>	<b>Research Field</b>	<b>Institution</b>	<b>Study Title</b>
<b>Christian E. Aars</b>	Physics/Astronomy	Texas Christian University	Characterizing the Properties of Isolated Elliptical Galaxies
<b>Cathryn L. Abbott</b>	Ecology	Australian National University	Conservation biology and genetics of shy and white-capped albatrosses
<b>Shantanu K. Agrawal</b>	Psychology	Cornell University	Medical Student Perceptions of Substance Abuse Policy Strategies and Treatment
<b>Denise M. Akob</b>	Ecology	St Mary's College of Maryland	The role of epibiont sponges and their microbial symbionts in the nutrient limited Rhizophora mangle stands
<b>Emily H. Alexander</b>	Cell Biology/Biochemistry	University of North Carolina at Charlotte	Production of Inflammatory Mediators by S aureus-infected Osteoblasts
<b>Eva S. Allen</b>	Systematics/Evolutionary Biology	Indiana University - Bloomington	Genetic Architecture of the Hybrid Zone Between Sympatric Species of Oriole (genus Icterus)
<b>Victoria J. Allison</b>	Ecology	University of Michigan-Ann Arbor	Mycorrhizal fungi have both direct and indirect effects on plant community composition
<b>Annalisa B. Alvrus</b>	Anthropology	Arizona State University	Schistosomiasis in Ancient Nubia
<b>Lynn L. Anderson</b>	Paleontology/Sedimentation	University of Illinois at Urbana-Champaign	Migration patterns and genetic history of Picea mariana and Picea glauca: a molecular genetic approach
<b>Brandy N. Anderson</b>	Cell Biology/Biochemistry	Bowling Green State University	The role of bile salts in Salmonella typhimurium virulence
<b>Kurt E. Anderson</b>	Ecology	University of California-Santa Barbara	Understanding the population consequences of heterogeneity in movement behavior in brown trout
<b>Christine K. Apodaca</b>	Physiology/Functional Morphology	University of Florida	Swamps and faunal diversification: Hypoxia-induced variation among zygopteran populations
<b>Udayan M. Apte</b>	Cell Biology/Biochemistry	University of Louisiana at Monroe	Assessment of gene expression using a custom designed gene array in enhanced liver tissue repair response in calorically restricted rats
<b>Gary P. Aronsen</b>	Anthropology	Yale University	Monkeys on the Fringe: Terminal Branch Use in Arboreal Primates
<b>Bobbie A. Austin</b>	Cell Biology/Biochemistry	University of North Dakota	The Role of Lumican in Scleral Extracellular Matrix
<b>Elizabeth A. Bagwell</b>	Anthropology	University of New Mexico	The Production of Architectural Artifacts: An Analysis of Cliff-Dwellings in the Northern Sierra, Sonora, Mexico
<b>Laura J. Baker</b>	Petrology/Geochemistry	University of Maryland, College Park	Crystal size distribution analysis: A means for interpreting igneous textures

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<b>Janet Bala</b>	Cell Biology/Biochemistry	Idaho State University	Phytoremediation of TCE Using Hybrid Poplars
<b>Michelle M. Barthet</b>	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	Analysis of the transparent testa Mutants of Arabidopsis thaliana for a Substrate Regulated Feedback Mechanism of Protein Expression
<b>Bart M. Bartlett</b>	Chemistry	Massachusetts Institute of Technology	Spin-Frustration Effects on the Antiferromagnetic Coupling in Kagome Lattice Systems
<b>Barbara A. Bauer</b>	Ecology	Long Island University-C.W. Post Campus	Effects of herbivorous fish and sea urchins upon the recruitment and growth of macrophytic algae and coral
<b>Laura F. Bauleke</b>	Hydrology/Geomorphology	Pomona College	THE DEVELOPMENT OF DEFORMATIONS BAND IN THE SAN MATEO SANDSTONE IN RELATIONSHIP TO THE CRISTIANITOS FAULT, SAN ONOFRE BEACH, CA
<b>Kristin P. Beals</b>	Psychology	University of California-Los Angeles	A longitudinal examination of disclosure processes and mental and physical health outcomes for individuals with stigmatized identities
<b>Anthony J. Bednar</b>	Chemistry	Colorado School of Mines	Mechanisms of photo-oxidation of arsenite followed by sorption/coprecipitation with iron oxyhydroxides
<b>Lisa A. Beeler</b>	Behavioral Ecology	Miami University Ohio	Pair bonding in pine voles
<b>Felipe O. Bendezu</b>	Cell Biology/Biochemistry	Bowling Green State University	Identification of genes required for Salmonella invasion
<b>Amy R. Benson</b>	Ecology	Murray State University	Fluctuating Asymmetry as an Indicator of Habitat Quality and Foraging Ability in the Tiger Salamander, Ambystoma tigrinum
<b>Patrick Berget</b>	Chemistry	University of California-Davis	Synthesis of N,N'b,b - Tetramethyltryptophan (TMT)
<b>Richard L. Bernhardt</b>	Ecology	University of Akron	Field measures of relative survivorship of males and hermaphrodites of the androdioecious Clam Shrimp Eulimnadia texana
<b>Hilary P. Binta</b>	Physiology/Functional Morphology	University of Florida	Estrogenic effect on uterine prostanoid system inthe periimplantation cow
<b>Inna V. Birchenko</b>	Ecology	Ohio University	Genetic Diversity and Microsite Characterization of the Rare 'Monkeyface Orchid', Platanthera integrilabia (Orchidaceae), in the Southeastern United States

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<b>Michael T. Black</b>	Anthropology	Duke University	A test of 'obstetric hypotheses' for explaining pubic length differences in Neandertals
<b>Melanie A. Blackburn</b>	Physics/Astronomy	West Virginia University	A Search for Dwarf Novae in Globular Cluster 47Tuc
<b>Michael J. Blum</b>	Systematics/Evolutionary Biology	Duke University	The evolutionary genetics of Heliconius hybrid zones
<b>Gustav R. Bodner</b>	Behavioral Ecology	University of Hawaii at Manoa	Use of Stable Isotope Ratios to Track Altitudinal Movements of Hawaiian Birds
<b>Rachell E. Booth</b>	Cell Biology/Biochemistry	University of Southern Mississippi	X-ray Crystal Structure Determination of Glutaminy Cyclase (QC)
<b>Shannon L. Borges</b>	Ecology	University of Maryland, College Park	Risk due to exposure to pesticides in orchards: characterization by development of exposure profiles for the songbird community
<b>Brendan J. Borrell</b>	Physiology/Functional Morphology	University of Texas at Austin	Decoupling physiological and physical effects of temperature on development
<b>Jason T. Botz</b>	Physiology/Functional Morphology	University of Kansas	Propagation of waves during water strider locomotion and communication
<b>Kelly S. Boyle</b>	Ecology	California State University-Fullerton	Comparison of feeding guilds of intertidal fishes from California and Chile: a measure of community convergence
<b>Elizabeth E. Boyle</b>	Systematics/Evolutionary Biology	University of Massachusetts Boston	Origin of the deep-sea protobranch subfamily Ledellinae in the Atlantic Ocean
<b>Marc A. Brackett</b>	Psychology	University of New Hampshire	Measuring and Describing the Life Space of the Emotionally Intelligent
<b>Ryan S. Brady</b>	Behavioral Ecology	Boise State University	Effects of Livestock Manure on Predation Rates and Temperature Regimes of Burrowing Owl Nests: Tests of Competing Hypotheses
<b>Jesse L. Brunner</b>	Ecology	Arizona State University	The role of complex life history in maintaining virulent pathogens in small host populations
<b>Michael E. Bulleri</b>	Hydrology/Geomorphology	Bowie State University	Assessing the Uptake and Mobility of Contaminant Uranium in a Variety of Tree Species
<b>Jennifer S. Burleigh</b>	Ecology	Virginia Polytechnic Institute and State University	Role of ecological factors in the susceptibility of eastern hemlock to the hemlock woolly adelgid, and the rate of tree decline following infestation
<b>Dawn M. Burman</b>	Cell Biology/Biochemistry	University of Cincinnati	Role of Oxidative DNA Damage in Chloracetanilide Herbicide Carcinogenesis

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<b>Christopher D. Caflin</b>	Chemistry	East Stroudsburg University of Pennsylvania	Synthesis of Cyclophosphazenes for Electrorheological Properties
<b>Gerald J. Cappetta</b>	Cell Biology/Biochemistry	University of Colorado - Health Sciences Center	Identification of ESX-Regulated Genes that Promote Breast Cell Transformation
<b>Victor D. Carmona</b>	Ecology	University of Arkansas at Fayetteville	When the cupboards are bare: The effect of seasonality on an ant-plant mutualism in a tropical dry forest
<b>Brandon M. Casper</b>	Physiology/Functional Morphology	Bowie State University	Comparative Hearing Sensitivity of Elasmobranchs
<b>Alan D. Castel</b>	Psychology	University of Toronto	Inhibition and Facilitation of Return in Location and Feature Tasks
<b>Maria B. Castellanos</b>	Anthropology	University of Michigan-Ann Arbor	Rethinking Community: Resource Allocations Among Yucatec Maya Migrants
<b>Andrew K. Castor</b>	Petrology/Geochemistry	Ball State University	Boulder Lithology Survey, Tibes Civic-Cerimonial Site, Puerto Rico
<b>Karen G. Cheng</b>	Psychology	University of California-Los Angeles	Influence of Language on Unconscious Gender Categorization
<b>Kathy S. Cho</b>	Cell Biology/Biochemistry	Loyola University Chicago	Potential Role of T cells in Generating the Primary Antibody Repertoire in Rabbit
<b>Andrew D. Clithero</b>	Psychology	University of Wisconsin-Milwaukee	Examination of Exercise on Cerebellar Cell Death Following Bilateral Sensorimotor Cortex Ablation
<b>Teresa A. Cochran</b>	Ecology	Southern Illinois University-Edwardsville	The Influence of Size on Rosette Survival: A Life Stage Demography Study of <i>Boltonia decurrens</i> , an Endangered Floodplain Plant
<b>Cynthia M. Coleman</b>	Cell Biology/Biochemistry	Thomas Jefferson University	Functional Analysis of GDF5 and Connexin 43 in Mouse Limb Development
<b>John P. Colianni</b>	Physics/Astronomy	Middlebury College	Identifying UV 'Light Bulbs' for Probing Cold Material in Supernova Remnants
<b>Jocelyne M. Comstock</b>	Physics/Astronomy	University of Northern Colorado	Peerless Structure Northeastern Montana, A Probable Mid-Ordovician Impact Event
<b>Eric J. Conklin</b>	Behavioral Ecology	University of Hawaii at Manoa	Test of an optimal foraging model for herbivorous coral reef fishes
<b>Sarah K. Costello</b>	Anthropology	State University of New York at Binghamton	Tools of Memory: Investigation of the Context of Information Storage in Early Mesopotamia
<b>Jonathan D. Cowart</b>	Ecology	University of Florida	Palatability and chemical defense of <i>Pteraster tessellatus</i> (Echinodermata: Asteroidea) eggs and juveniles

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<b>Beau A. Crabb</b>	Behavioral Ecology	Vanderbilt University	Impact of a third trophic level on the dynamics of an obligate mutualism
<b>Michelle C. Crenshaw</b>	Ecology	Southern Illinois University-Edwardsville	A paleolimnological test of the flood pulse hypothesis: Nutrient load dynamics and species diversity
<b>Ryan W. Dailey</b>	Physiology/Functional Morphology	Illinois State University	Age-Related Decline of the Immune System of Transgenic Mice
<b>Aygul Datskovskaia</b>	Physiology/Functional Morphology	University of Louisville	Do interneurons affect the transfer of retinal information in the Y visual pathway?
<b>Jane E. Dmochowski</b>	Tectonics/Geophysics	California Institute of Technology	Volcanic Hazards Assessment Using Remote Sensing, Baja California, Mexico
<b>Daniel C. Douglass</b>	Hydrology/Geomorphology	University of Wisconsin-Madison	Using Cosmogenic Exposure Ages to Construct A Glacial Chronology for Mid-Latitude South America
<b>Michelle S. Drapeau</b>	Anthropology	University of Missouri-Columbia	Functional analysis and evolutionary polarity of early hominid upper-limb morphology
<b>David H. Duncan</b>	Ecology	Australian National University	The Pollination Dynamics of Plant Species in Fragmented Remnant Vegetation
<b>Melissa A. Eblen</b>	Physics/Astronomy	University of Minnesota, Twin Cities	Large Focal Plane Bolometer Arrays for Cosmic Microwave Background Radiation Observations
<b>Christopher A. Eccles</b>	Ecology	California State University-Fullerton	Using Tree Rings to Evaluate the 100-Year History of Competition for Water in an Endangered Ecosystem and the Changes Induced by Recent Invasion of Alien Plants
<b>Curtis M. Eckerman</b>	Systematics/Evolutionary Biology	Iowa State University	Rates of mtDNA sequence divergence in Turtles
<b>Jason S. Ehrlich</b>	Cell Biology/Biochemistry	Stanford University	High-Resolution Tracking of Rac GTPase Activity and Regulation During Establishment of Epithelial Cell-Cell Contact
<b>Ben Elitzur</b>	Ecology	University of California-Berkeley	Non-Zooplankton Feeding and Fossilization Potential of Jellyfish: A case for the relationship between modern jellyfish and ancient medusoids
<b>Kevin S. Ellison</b>	Behavioral Ecology	University of Manitoba	The elucidation of cowbird reproductive strategies
<b>Lisa J. Emery</b>	Psychology	Washington University in St. Louis	Verbal and Spatial Working Memory in Young and Old

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<b>Margaret E. Evans</b>	Ecology	University of Arizona	Demographic and phylogenetic analyses of life history evolution in the bird-cage evening primroses ( <i>Oenothera</i> , Sect <i>Anogra</i> <i>Onagraceae</i> ): the annual vs perennial habit
<b>Wei Fang</b>	Ecology	State University of New York at Stony Brook	Assessing the mechanisms of the impact of an invasive tree species on native forest communities
<b>Lane F. Fargher</b>	Anthropology	University of Wisconsin-Madison	The Magdalena Teitapac Mapping Project: An archaeological study of a prehispanic hilltop village
<b>Maryam Farzad</b>	Cell Biology/Biochemistry	Georgetown University	The Molecular Mechanism of Floral Color Change in <i>Viola cornuta</i> cv Yesterday, Today and Tomorrow
<b>Bradley C. Fedy</b>	Behavioral Ecology	York University	Singing and territorial behaviour of a tropical passerine, the White-bellied Antbird (~( <i>Myrmeciza longipes</i> ))
<b>Gong Feng</b>	Cell Biology/Biochemistry	University of Alabama at Birmingham	The role of oseopontin in tumorigenesis
<b>Robert S. Feranec</b>	Paleontology/Sedimentation	University of California-Berkeley	Determining the ecology of late Neogene ungulates: evidence from morphology and stable isotopes
<b>Cara S. Ferguson</b>	Cell Biology/Biochemistry	University of North Carolina at Charlotte	<i>Staphylococcus aureus</i> attachment to osteoblasts in bone disease
<b>David P. Fewer</b>	Systematics/Evolutionary Biology	Universität Göttingen	Loss of splicing abilities in the ancient tRNA-Leu (UAA) intron
<b>Richard J. Fink</b>	Tectonics/Geophysics	Louisiana State University-Baton Rouge	Cretaceous-Paleocene Evolution of the Altiplano and Eastern Cordillera, Central Andes, Bolivia
<b>Barbara A. Fletcher</b>	Petrology/Geochemistry	University at Albany	Solid Phase Mercury Speciation in the Sediments of a Small Urban Watershed
<b>Michael A. Floissac</b>	Physiology/Functional Morphology	Texas A&M University-Corpus Christi	The Effects of <i>Ginkgo biloba</i> on Embryological Development
<b>Martha J. Foley</b>	Cell Biology/Biochemistry	Stevens Institute of Technology	Kinetics of Retinoid Metabolism by Alcohol Dehydrogenase
<b>Jennifer M. Ford</b>	Cell Biology/Biochemistry	Pennsylvania State University	Expression of parathyroid hormone receptor (PTH-R) on an osteoblast cell line
<b>Vincent A. Formica</b>	Behavioral Ecology	St Mary's College of Maryland	Territoriality in <i>Zonotrichia albicollis</i> (White-throated Sparrows): Spatial Correlates of Reproductive Behavior
<b>Ben B. Freeman</b>	Cell Biology/Biochemistry	Middlebury College	Characterization of a putative metal ion transport locus in <i>Streptococcus mutans</i>
<b>James S. Friedman</b>	Cell Biology/Biochemistry	University of Alberta	Isolation and Functional Study of Oculoglycan Protein

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<b>Jose Garcia-Garcia</b>	Cell Biology/Biochemistry	Oklahoma State University	Role and characterization of the tick salivary gland phospholipase A2
<b>Gregory W. Gelembiuk</b>	Systematics/Evolutionary Biology	University of Wisconsin-Madison	Genetic Architecture of Sympatric Speciation
<b>Marja K. Germans</b>	Psychology	University of California-Berkeley	
<b>Sarah E. Gilman</b>	Ecology	University of California-Davis	Stable Isotope Sclerochronology of the Limpet <i>Maccintockia scabra</i>
<b>Shani J. Gitter</b>	Cell Biology/Biochemistry	Illinois State University	Site Directed Mutagenesis of Coproporphyrinogen Oxidase
<b>Jacob R. Goheen</b>	Ecology	Purdue University-West Lafayette	Relating dispersal abilities of three species of tree squirrels to range expansion and structure of local communities
<b>Nancy E. Golubiewski</b>	Ecology	University of Colorado at Boulder	Urban Sprawl in Colorado's Front Range: Measuring Productivity and Carbon Storage
<b>Antonio J. Golubski</b>	Ecology	University of Illinois at Chicago	Effects of multiple AM fungal partners on host plant productivity
<b>Michael C. Green</b>	Ecology	University of Louisiana at Lafayette	THE INFLUENCE OF WHITE PLUMAGE ON THE ECOLOGY OF WADING BIRDS IN COASTAL LOUISIANA
<b>Kevin M. Gribbins</b>	Cell Biology/Biochemistry	University of Cincinnati	The Histological Evaluation of Spermatogenesis and Germinal Epithelial Organization in 3 Reptilian Representatives: Evolutionary and Histopathological Implications
<b>Joshua D. Grill</b>	Physiology/Functional Morphology	Wake Forest University	Effects of aging on dendritic morphology
<b>Stephanie L. Gupton</b>	Cell Biology/Biochemistry	North Carolina State University	Confocal Imaging Demonstrates that the Nuclear Invaginations and Channels Found in Tobacco NT-1 Cells Originate During Cell Division
<b>Katherine L. Hahn</b>	Cell Biology/Biochemistry	Fairfield University	Isolation of Hox-like Family Members in Sponges: Sponges as a Model System to Study Evolution of Developmental Regulatory Mechanisms
<b>Daniel A. Hahn</b>	Systematics/Evolutionary Biology	University of Arizona	The Physiology and Fitness Effects of Nutrient Storage in Grasshoppers
<b>Sheean T. Haley</b>	Ecology	University of Connecticut	Accumulation and fate of paralytic shellfish poisoning toxins in the planktonic copepods <i>Acartia hudsonica</i> and <i>Centropages hamatus</i> : Biogeographical differences and implications for trophic transfer



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<b>Myra C. Hall</b>	Ecology	Texas State University-San Marcos	The relationship between parasitoid attack phenology and gall development phenology in determining natural enemy community structure and composition of <i>Belonocnema treatae</i> on <i>Quercus fusiformis</i>
<b>Patricia C. Halpin</b>	Behavioral Ecology	Humboldt State University	Hematozoa and Arthropod Parasites of Turkey Vultures, <i>Cathartes Aura</i> , In Humboldt County
<b>Christopher A. Hamm</b>	Cell Biology/Biochemistry	Plattsburgh State University	Production and Selection of <i>Chlamydomonas</i> Alternative Oxidase Mutant
<b>Kathy M. Hancock</b>	Ecology	University of Pennsylvania	Recruitment dynamics of the barnacle <i>Semibalanus balanoides</i> : effects of macroalgae and conspecifics
<b>Michael W. Hapiak</b>	Cell Biology/Biochemistry	University of Toledo	Characterizing Regions of cauliflower mosaic virus gene VI product that interact with viral coat protein
<b>Ruth M. Harper-Arabie</b>	Ecology	Colorado School of Mines	Genetically Based Tolerance to Environmental Endocrine Disrupting Chemical Exposure in <i>Palaemonetes pugio</i>
<b>David A. Hartmann</b>	Systematics/Evolutionary Biology	University of Wisconsin-Platteville	Species Concepts in the Moss Parasites <i>Eocronatium</i>
<b>Mark E. Hauber</b>	Behavioral Ecology	Cornell University	Conspecific recognition in brood parasitic cowbirds
<b>Loren D. Hayes</b>	Behavioral Ecology	Miami University Ohio	Does communal nesting improve fitness in <i>Microtus ochrogaster</i> when food is limiting?
<b>Kenneth A. Hayes</b>	Systematics/Evolutionary Biology	University of South Florida	Evolution of the Corona Complex in the Genus <i>Melongenina</i> (Gastropoda: Melongenidae): Evidence from Internal Transcribed Spacer Regions and Microsatellite Data
<b>UnJa L. Hayes</b>	Psychology	University of Southern California	Time-dependent effects of vasopressin on the extinction of a conditioned taste avoidance
<b>Katherine H. Healy</b>	Cell Biology/Biochemistry	Lake Forest College	Notochord elongation in the chick
<b>Christopher P. Heesy</b>	Anthropology	State University of New York at Stony Brook	The Function and Evolution of Mammalian Postorbital Bars
<b>Derek V. Henley</b>	Cell Biology/Biochemistry	Saint Louis University	The role of the aryl hydrocarbon receptor in the regulation of interleukin-1B in differentiating human keratinocytes



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<b>Linnea K. Herbertson</b>	Systematics/Evolutionary Biology	University of Arizona	Classifying Asexual Species: A Look at the Bdelloid Rotifer
<b>Jon E. Hess</b>	Behavioral Ecology	Washington University in St. Louis	The Role of Mating Structure in Eusociality: Challenging the Notion of an Inbred Naked Mole Rat ( <i>Heterocephalus glaber</i> )
<b>Lori D. Hill</b>	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	Characterization of Flavonoid 3' Hydroxylase (F3'H) in the flavonoid biosynthetic pathway of <i>Arabidopsis thaliana</i>
<b>Josiah E. Hills</b>	Behavioral Ecology	Virginia Polytechnic Institute and State University	An analysis and comparison of <i>Anolis porcatus</i> headbob displays to <i>A. carolinensis</i>
<b>Rick Hochberg</b>	Systematics/Evolutionary Biology	University of New Hampshire	Function and Distribution of Helicoidal Muscles in Gastrotricha
<b>Susan A. Hodes</b>	Cell Biology/Biochemistry	Scripps College	Is hDBP2 the human homologue of the spliceosome binding protein Prp2 of <i>Saccharomyces cerevisiae</i> ?
<b>Jason D. Hoeksema</b>	Ecology	University of California-Davis	Is plant competition different when plants are connected by a common mycorrhizal network? An investigation using ponderosa pine, Douglas fir, and <i>Rhizopogon</i> species
<b>Kirsten S. Hofmocker</b>	Ecology	Duke University	Measuring belowground nitrogen cycling under elevated CO <sub>2</sub>
<b>Aaron S. Hogue</b>	Physiology/Functional Morphology	Northwestern University	Craniodental Form, Function and the Evolution of Dietary Preferences in Metatherians
<b>Jill A. Holliday</b>	Systematics/Evolutionary Biology	Florida State University	Do specializations for hypercarnivory reduce future adaptability?
<b>Janette Holtz</b>	Ecology	University of San Diego	A Life History Study of the San Diego Fairy Shrimp <i>Branchinecta sandiegonensis</i> : Growth and Fecundity under Different Temperature Regimes
<b>Julie A. Howard</b>	Psychology	Bowie State University	Activation of color vision areas in the brains of synesthetes: An fMRI study
<b>Katherine B. Hubbard</b>	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	Does alteration of myo-inositol synthesis affect plant growth and development?
<b>Andrea F. Huberty</b>	Ecology	University of Maryland, College Park	Responses of herbivorous insects to stressed host plants: an experimental field test of the plant stress hypothesis
<b>Edward D. Hudgens</b>	Physiology/Functional Morphology	University of Massachusetts Amherst	Role of Oct-1 Transcription Factor in Estradiol-Induced Expression of the LHRH Gene

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<b>Carolyn F. Hughes</b>	Cell Biology/Biochemistry	University of Louisville	Differential expression of fungal genes during discrete stages of disease in the host-pathogen model <i>Silene latifolia</i> - <i>Microbotryum violaceum</i>
<b>Gene G. Hunt</b>	Systematics/Evolutionary Biology	University of Chicago	Does intraspecific variation matter for macroevolution? A test in the deep-sea ostracode genus <i>Poseidonamicus</i>
<b>Istvan Imre</b>	Ecology	Concordia University	The effect of food density on territory size in juvenile steelhead ( <i>Oncorhynchus mykiss</i> )
<b>Daniel E. Janes</b>	Ecology	University of Florida	Factors affecting the sex-determining response to incubation temperature in leopard geckos, <i>Eublepharis macularius</i> , a temperature-dependent sex-determining species
<b>Jennifer L. Jenkins</b>	Physiology/Functional Morphology	University of South Dakota	Limits and constraints to torpor in thirteen-lined ground squirrels
<b>Alexander A. Johnson</b>	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	Genome Analysis of Transgenic Potato
<b>Anna L. Johnson</b>	Cell Biology/Biochemistry	James Madison University	Specification of thyroid hormone (TH) response in neural crest-derived skeleton of the frog <i>Xenopus laevis</i>
<b>Todd A. Johnson</b>	Cell Biology/Biochemistry	University of Illinois at Chicago	Evaluation of the apoptotic activity of the phytoalexin, resveratrol, on murine and human melanoma
<b>Frank A. Jones</b>	Ecology	University of Georgia	Testing models of seed dispersal in <i>Jacaranda copaia</i> (Bignoniaceae): a genetic approach
<b>Lisa E. Jones-Engel</b>	Anthropology	University of New Mexico	Documenting Exposure to Endemic Human Pathogens among the Endangered <i>Macaca nigra</i> in Sulawesi, Indonesia
<b>Mark J. Jordan</b>	Ecology	University of California-Berkeley	Fisher population monitoring in the Southern Sierra Nevada
<b>Sarah R. Joyce</b>	Systematics/Evolutionary Biology	Eastern Illinois University	Differential Susceptibility to <i>Fascioloides</i> Infection in Lymnaeid Snails (Mollusca: Gastropoda) as a Possible Character in Phylogeny Reconstruction
<b>Victor M. Junca</b>	Ecology	Universidad Nacional Experimental de los Llanos Occidentales Ezequiel Zamora	
<b>Shoshana Y. Kahana</b>	Psychology	Case Western Reserve University	Maternal Mood and Ratings of Child Functioning

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<b>Heather R. Kalish</b>	Chemistry	University of California-Davis	Effects of Meso Substituents on Porphyrin Degradation
<b>Elma E. Kay</b>	Ecology	Saint Louis University	Pollination of the Greater Antillean passionflower, <i>Passiflora penduliflora</i> , by the Greater Antillean Long Tongued Bat, <i>Monophyllus redmani</i>
<b>Laurel L. Kellogg</b>	Ecology	University of Massachusetts Amherst	Factors Influencing Survival and Reproduction of Virginia Opossums at Their Northern Distributional Limit
<b>Elizabeth A. Kensinger</b>	Psychology	Massachusetts Institute of Technology	Novel Quantitative Approaches to Time-Of-Day Effects in Young and Older Adults
<b>Celeste E. Kidd</b>	Physiology/Functional Morphology	University of Massachusetts Amherst	Abdominal pressure during locomotion in lizards
<b>Aruna Kilaru</b>	Physiology/Functional Morphology	University of Louisiana at Lafayette	Physiological and Morphological Changes in <i>Theobroma cacao</i> due to In-vitro Infection of <i>Crinipellis perniciosa</i>
<b>Scott J. King</b>	Physiology/Functional Morphology	Miami University Ohio	Focused Orientation and Distribution of Campaniform Sensilla on the Trochanters and Femora of Selected Cockroach Species (Dictyoptera)
<b>Melissa J. Klinder</b>	Petrology/Geochemistry	Ball State University	Boulder Lithology Survey, Tibes Civic-Ceremonial Site, Ponce, Puerto Rico
<b>Rebecca D. Knowles</b>	Ecology	University of Minnesota, Twin Cities	<i>Peltigera</i> , a Terricolous, Nitrogen-Fixing Lichen in Northern Forests: A Study of Its Influence on Soil Nitrogen Processes
<b>Matthew D. Koci</b>	Cell Biology/Biochemistry	University of Georgia	Development of competitive quantitative RT-PCR protocol for the detection of turkey astrovirus
<b>Marni E. Koopman</b>	Ecology	University of Wyoming	Effect of Matrix Composition on Gene Flow among Subpopulations of Boreal Owls in North America
<b>Alan H. Krakauer</b>	Behavioral Ecology	University of California-Berkeley	Cooperation in Reproductive Coalitions of Wild Turkeys
<b>Jean K. Krejca</b>	Systematics/Evolutionary Biology	University of Texas at Austin	Genetic relatedness of stygobites as a tool for determining aquifer connectedness
<b>Jennifer A. Kucinskis</b>	Tectonics/Geophysics	University of Georgia	Inner Piedmont Crustal Structure Using Wide-Angle Reflection Profiling
<b>Lauren Laitala</b>	Physiology/Functional Morphology	Mary Washington College	Metabolism of Exogenous Biogenic Amines in Toad-Eating and Non-Toad-Eating Snakes
<b>Nicholas P. Lang</b>	Petrology/Geochemistry	Vanderbilt University	Eruptive history and syn-and-post-volcanic tectonism of the Union Pass volcanic center, Arizona

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<b>Krzysztof Langer</b>	Cell Biology/Biochemistry	Adam Mickiewicz University	Search for bio-catalytic activity of a model Mars soil
<b>Peter M. Larson</b>	Systematics/Evolutionary Biology	Ohio University	Evolution of chondrocranial morphology in Rana larvae: A morphometric study
<b>Michael E. Lauters</b>	Physics/Astronomy	University of Wisconsin-La Crosse	The Search for New Short Wavelength Laser Emissions from Optically Pumped Methonal Isotopes
<b>Peter H. Lee</b>	Cell Biology/Biochemistry	Brown University	The Effect of Spaceflight on the Expression of a Foreign Protein by Genetically- and Tissue-engineered Skeletal Muscle
<b>Lindsay E. Lehmann</b>	Psychology	Franklin and Marshall College	The Effects of Token Training on Young Children and Their Ability to Perform a Relational Match-To-Sample Task
<b>Michael J. Lehtinen</b>	Cell Biology/Biochemistry	Eastern Illinois University	Reducing Kidney Stone Formation in Humans: Impact of Glycolate- and Glyoxylate- Consuming Gut Microbes
<b>Scott C. Lindsay</b>	Cell Biology/Biochemistry	Gannon University	WIF-B cells grown in various concentrations of taurocholate, a physiological bile salt, display an increase in Connexin 32 expression at gap junctions
<b>Erika L. Linnander</b>	Psychology	Franklin and Marshall College	The Virtual Problem: The Effects of Visual and Proprioceptive Information on Manual Dexterity in Remote Sensing Environments
<b>Seoni Llanes-Macy</b>	Psychology	Finch University of Health Sciences/Chicago Medical School	Temporal Lobe Radiation Doses and Memory Functions in Adults with Low-Grade Brain Tumors
<b>Stanley M. Lo</b>	Cell Biology/Biochemistry	Yale University	Total Synthesis of Fellutamide B and Analysis of its Mechanism to Induce Nerve Growth Factor Secretion
<b>Caroline M. Loop</b>	Ecology	Pennsylvania State University	
<b>Veronica Lopez</b>	Cell Biology/Biochemistry	University of California-Davis	Potential Role of Zinc in Osteoblast Differentiation and Matrix Mineralization
<b>Michael B. Lore</b>	Cell Biology/Biochemistry	Wright State University	Genetic Delineation of Higher Taxa in Phylactolaemate Bryozoans
<b>Michael C. Lowder</b>	Systematics/Evolutionary Biology	San Diego State University	Parallel Evolution of Coastal Dune Phenotypes in Two Jumping Spiders (Habronattus amicus and H ustulatus~ Araneae: Salticidae)

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<b>Haidong Lu</b>	Physiology/Functional Morphology	University of Louisville	Physiological basis for motion vision enhancement
<b>Glen M. Lubcke</b>	Ecology	California State University-Chico	The ecology of the northwestern pond turtle ( <i>Clemmys marmorata marmorata</i> ) in the Sacramento Valley, Butte Co, California
<b>Eric N. Madrid</b>	Cell Biology/Biochemistry	Texas A&M University-Corpus Christi	Germination Studies of <i>Salicornia bigelovii</i> by Botanical Histology Methods
<b>Megan M. Mahoney</b>	Physiology/Functional Morphology	Michigan State University	Putative mechanisms regulating the timing of the Luteinizing Hormone surge in diurnal and nocturnal rodents
<b>Candace O. Major</b>	Paleontology/Sedimentation	Columbia University	The late-glacial metamorphosis of the Black Sea and its impact on early human civilizations
<b>Jacqueline L. Mann</b>	Hydrology/Geomorphology	University of Maryland, College Park	Seasonal Sulfur Isotope Signatures in Polar and Tropical Snow Pits: An Assessment of Seasonal Sulfur Sources
<b>Lynn B. Martin</b>	Behavioral Ecology	Princeton University	Metabolic costs of an immune response and the effects of elevated testosterone
<b>Dora P. Maul</b>	Cell Biology/Biochemistry	Florida Institute of Technology	Genes Involved in the Early Stages of Embryogenesis Identified by mRNA Differential Display in Somatic Embryos of Cantaloupe
<b>Carolyn E. Maxwell</b>	Psychology	Bowie State University	The role of a visual motion processing area in non-word reading
<b>Jeremy P. McCartha</b>	Hydrology/Geomorphology	Auburn University	Hydrogeochemical environment of the coastal mixing zone within the Upper Floridan aquifer of Bay County, Florida
<b>Michael G. McCay</b>	Physiology/Functional Morphology	University of California-Berkeley	Computer simulation of tree frog gliding
<b>Alison C. McCombe</b>	Physiology/Functional Morphology	University of Florida	Effects of Compensatory Growth on Body Composition and Organ Growth in the Freshwater Turtle, <i>Trachemys scripta elegans</i>
<b>Demetrius T. McCormick</b>	Chemistry	University of Southern Mississippi	Measurement of Ferroelectric Polarization in Polymer Stabilized Ferroelectric Liquid Crystal Composite Materials
<b>Susan C. McDowell</b>	Ecology	Oregon State University	Physiological mechanisms of invasion by <i>Rubus</i>
<b>Mary B. McEachern</b>	Behavioral Ecology	University of California-Davis	A Test of the Territory Bequeathal Hypothesis in Female Dusky-footed Woodrats ( <i>Neotoma fuscipes</i> )

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<b>Katherine W. McFadden</b>	Ecology	Columbia University	Distribution, Abundance and Feeding Ecology of the Endangered Dwarf Carnivores on Cozumel Island, Mexico
<b>Kelly M. McGarvey</b>	Systematics/Evolutionary Biology	St Mary's College of Maryland	Determination of the Phylogenetic Relationship Between the Three Forms of the Brown Alga, <i>Lobophora variegata</i>
<b>Jodi M. McGraw</b>	Ecology	University of California-Berkeley	
<b>Kevin J. McGraw</b>	Behavioral Ecology	Cornell University	Effect of nutritional stress during molt on the expression of structurally based ornamental coloration in male brown-headed cowbirds ( <i>Molothrus ater</i> )
<b>Lindsay J. McHenry</b>	Petrology/Geochemistry	Rutgers, The State University of New Jersey	Geochemical correlation of Olduvai Gorge tuffs using melt inclusions in feldspar
<b>Andrew C. McInvale</b>	Physiology/Functional Morphology	Tulane University	Sound-induced translocation of the PDZ domain proteins PICK1 and GRIP1 in the central auditory pathways of the rat
<b>Jared W. McJunkin</b>	Ecology	Emporia State University	Utilizing the Hamilton-Zuk hypothesis as a metric of the long-term effects of enteric helminths on populations of wild turkeys ( <i>Meleagris gallopavo</i> )
<b>Donna M. McLaughlin</b>	Ecology	Hofstra University	Reproductive Biology of a New Species of Gulper Shark from the Cayman Trench, Jamaica, West Indies
<b>M. E. McPhee</b>	Behavioral Ecology	University of Michigan-Ann Arbor	Effects of captivity on behavior of the oldfield mouse, <i>Peromyscus polionotus</i>
<b>Derrell C. McPherson</b>	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	Identification of a Novel Peptidoglycan Glycosyl Transferase in <i>Bacillus subtilis</i>
<b>Melissa L. Meade</b>	Psychology	Southern Illinois University-Carbondale	Executive functioning in preschool children born preterm
<b>Ryan J. Medeck</b>	Cell Biology/Biochemistry	Boise State University	Role of proteolytic processing in liquefaction of vitreous humour in aging eyes
<b>Megan L. Miller</b>	Cell Biology/Biochemistry	Bowling Green State University	The Role of Iron on Adherence of <i>Salmonella</i>
<b>Kelly M. Miller</b>	Systematics/Evolutionary Biology	North Dakota State University	The White Sands pupfish ( <i>Cyprinodon tularosa</i> ) and environmental salinity: a possible case of natural selection in the wild
<b>Debra J. Mish</b>	Chemistry	Hollins University	Isolation and Identification of Biologically Active compounds from a Nepalese Lichen

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<b>Jeannette L. Mobley-Tanaka</b>	Anthropology	Arizona State University	Community and Commodity in the Pueblo III World: Exchange and Integration in the Yellow Jacket Community, AD 1150-1300
<b>Michele K. Moldenhauer</b>	Psychology	University of Wisconsin-Green Bay	Prenatal Prediction of Positive Paternal Involvement
<b>Angela B. Moline</b>	Ecology	Northern Arizona University	Understanding the mechanisms generating the high species diversity in Cuatro Ciñegas, Mexico: testing for interactions among population genetic structure, hydrology and ecology
<b>Godwin F. Mollé</b>	Petrology/Geochemistry	Rutgers, The State University of New Jersey	The Mineral Chemistry and Evolutionary History of South-Eastern Ngorongoro Volcanic Highland, Tanzania
<b>Kerryane T. Monahan</b>	Cell Biology/Biochemistry	Bowie State University	Gene Expression in the Eyes of Aging Rhesus Monkeys
<b>Julie A. Mortimer</b>	Ecology	Eastern Illinois University	Use of genetic markers to evaluate pattern of dispersal of an exotic species in Illinois reservoirs
<b>Tammy D. Moscrip</b>	Psychology	Columbia University	Cognitive Effects of Electroconvulsive Shock Stimulation and Transcranial Magnetic Stimulation in the Rhesus Monkey
<b>Martina A. Muehlegger</b>	Physiology/Functional Morphology	Carleton College	Effect of Bisphenol A on the Onset of Lupus in NZB/W mice
<b>Rachel L. Mueller</b>	Systematics/Evolutionary Biology	University of California-Berkeley	The evolution of enucleated red blood cells in plethodontid salamanders
<b>Eileen M. Mueller</b>	Anthropology	University of Georgia	Women and Conservation: Influence of Fishing and Tourism on Environmental Knowledge and Perceptions of Conservation in Baja California Sur, Mexico
<b>Chris A. Murdock</b>	Physiology/Functional Morphology	University of Alabama at Birmingham	Aromatase and SF-1 Expression Analysis in a Reptile with Temperature-Dependent Sex Determination
<b>Eric J. Murphy</b>	Physics/Astronomy	Tufts University	Core Kinematics of Nearby Giant Spiral Galaxies
<b>Arpita Nandi</b>	Hydrology/Geomorphology	University of Akron	Evaluation of the cycloid as a function for describing longitudinal stream profiles
<b>Stephen A. Nathan</b>	Paleontology/Sedimentation	University of Massachusetts Amherst	Benthic Foraminiferal Stable Isotope Stratigraphy of ODP Site 806 (Ontong Java Plateau), Middle to Late Miocene
<b>Karin N. Nelson</b>	Behavioral Ecology	University of Illinois at Urbana-Champaign	Hormonal Control of Alternative Mating Strategies in Marine Iguanas



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<b>Kristi Y. Niehaus</b>	Systematics/Evolutionary Biology	Virginia Polytechnic Institute and State University	A study of speciation in the waterlily genus <i>Nymphaea</i> based on molecular, morphological, and ecological information
<b>Joshua P. Nixon</b>	Physiology/Functional Morphology	Michigan State University	Control of phase shifting in rodents: Effects of orexin and leptin
<b>Michelle M. Noble</b>	Psychology	Indiana State University	Acetylcholine Involvement in Object Discrimination: a Microdialysis Study
<b>Jill M. Noel</b>	Ecology	University of Texas at Austin	Temporal and spatial patterns of population growth of juniper ( <i>Juniperus ashei</i> ) in the savannas of the Edwards Plateau, Texas
<b>Melissa M. Norberg</b>	Psychology	University of Wisconsin-Milwaukee	The Effects of Alcohol and Expectancy on the Emotional Stroop Effect in College Students with Social Anxiety
<b>Beth A. Nordby</b>	Physiology/Functional Morphology	Temple University School of Medicine	Neonatal Lung Protective Strategy: Cytoprotective Effects of Liquid Ventilation
<b>Cory R. Nordman</b>	Chemistry	Grove City College	The Use of Novel Transition Metal Diphosphines as Catalysts towards Addition Polymerization of Cyclic Olefins
<b>Keeley A. O'Connell</b>	Ecology	Western Washington University	Effects of Established Atlantic Smooth Cordgrass ( <i>Spartina alterniflora</i> ) and Subsequent Removal on Epifaunal Macroinvertebrates
<b>Ann E. Olesen</b>	Petrology/Geochemistry	Miami University Ohio	Lithium isotopes as a tracer of sediment and slab fluid recycling in the Kamchatka volcanic arc
<b>MARINA OMACINI</b>	Ecology	Universidad de Buenos Aires	Impact of Endophyte Infection on Plant Litter Decomposition
<b>Robert C. O'Malley</b>	Anthropology	University of Alberta	Variation in Food Processing Techniques Among White-Faced Capuchins ( <i>Cebus capucinus</i> )
<b>Ezenwa S. Onyema</b>	Chemistry	American University	Synthesis of Modified Zirconium Phosphonates: A Potential Fuel Cell Separator for Direct Methanol Fuel Cells
<b>Mary C. Orland</b>	Ecology	University of California-Davis	El Nino and biodiversity: the role of resource pulsing in small mammal community structure of the Colorado Desert
<b>Rachelle N. Ornan</b>	Psychology	North Carolina State University	The Influence of the Far Anchor Effect on Perceived Time-to-Contact

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<b>John L. Orrock</b>	Ecology	Iowa State University	The Significance of Knowing Your Enemies: the Ecological and Evolutionary Implications of the Behavioral Response of Mice to Predator Cues
<b>Damon M. Orsetti</b>	Behavioral Ecology	University of Kentucky	Genetically variable offspring as a benefit for multiple mating by female Colorado potato beetles ( <i>Leptinotarsa decemlineata</i> )
<b>Daniel Ortiz</b>	Systematics/Evolutionary Biology	Louisiana State University-Baton Rouge	On the appearance of speciation by reinforcement
<b>Patrick C. Owen</b>	Behavioral Ecology	University of Connecticut	Are aggressive calls more similar in structure than advertisement calls in chorus frogs, genus <i>Pseudacris</i> ?
<b>Daniel K. Owens</b>	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	Characterization and Expression of Flavonol Synthase Isozymes in <i>Arabidopsis thaliana</i>
<b>Tamara M. Panhuis</b>	Systematics/Evolutionary Biology	University of California-Riverside	Patterns of sperm precedence between Zimbabwe and Cosmopolitan populations of <i>D. melanogaster</i>
<b>Susan E. Pate</b>	Physiology/Functional Morphology	University of North Carolina at Wilmington	Sodium Transport and Permeability in Juvenile Blue Crabs
<b>Hallam F. Payne</b>	Behavioral Ecology	University of Natal	Resources and the negotiation of grooming relationships in Old-World monkeys
<b>Andrew J. Pece</b>	Systematics/Evolutionary Biology	San Diego State University	Phylogeography and geographic variation in the sidewinder ( <i>Crotalus cerastes</i> ) as inferred by mitochondrial DNA
<b>Pedro Miguel D. Pedro</b>	Systematics/Evolutionary Biology	University of Leeds	Effects of fragmented habitats on species of <i>Sabethes</i> mosquitoes
<b>Michael S. Peek</b>	Ecology	University of Maryland, College Park	Trade-offs in root foraging ability
<b>Liba Pejchar</b>	Ecology	University of California-Santa Cruz	Foraging Ecology and Critical Habitat of the Endangered Akiapolaau ( <i>Hemignathus munroi</i> )
<b>Lyman P. Persico</b>	Hydrology/Geomorphology	University of Vermont	Military Impacts on the Stability of Desert Surfaces A study of the Impacts of Vehicles on Desert Piedmonts
<b>Christopher S. Phillips</b>	Cell Biology/Biochemistry	Towson University	Molecular Genetic Characterization of a Tomato Plasma Membrane Proton ATPase

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<b>Melissa A. Pilgrim</b>	Ecology	University of Arkansas at Fayetteville	Among and within population variation in diet composition of pigmy rattlesnakes ( <i>Sistrurus miliarius</i> ) in Central Florida: A dietary analysis using stable isotope techniques
<b>Brian J. Piper</b>	Psychology	Northern Michigan University	Activity of <i>Hypericum perforatum</i> (Saint John's wort) on Brain Stimulation Induced Aggression
<b>Janice M. Poling</b>	Petrology/Geochemistry	Case Western Reserve University	Geochemical Fingerprinting to Differentiate among Silicified Ash Beds from the Nama Group, Namibia: A Feasibility Study
<b>Amy Poopatanapong</b>	Behavioral Ecology	Washington State University	INVESTIGATION OF ENVIRONMENTAL VARIABLES WHICH CAUSE VARIATION IN YOLK ANDROGEN LEVELS IN AVIAN EGGS
<b>Kristen E. Porter-Utley</b>	Systematics/Evolutionary Biology	University of Florida	Phylogenetic Relationships Within <i>Passiflora</i> L section <i>Cieca Mast</i> (Passifloraceae) Based on Molecular and Morphological Evidence
<b>Sarah J. Price</b>	Cell Biology/Biochemistry	Marshall University	Apoptosis and Disease Progression in a Mouse Model for Polycystic Kidney Disease
<b>Lisa A. Puccinelli</b>	Physiology/Functional Morphology	University of Portland	Pectoralis muscle contractile activity in zebra finch ( <i>Taenopygia guttata</i> ) during flight
<b>Zhi Qiu</b>	Computer Science/Mathematics	Hunter College of The City University of New York	Coloring, Packing, and Covering
<b>Stephen J. Raif</b>	Physics/Astronomy	Angelo State University	Frequency Stabilization of a 780nm Diode Laser
<b>Balasundar I. Raju</b>	Engineering	Massachusetts Institute of Technology	High frequency ultrasonic characterization of normal human skin and skin cancer in vivo
<b>James P. Randerson</b>	Behavioral Ecology	University of Bath	Mate choice in the East African butterfly <i>Acraea encedon</i> : Testing a novel solution to the 'lek paradox'
<b>Erin B. Rasmussen</b>	Psychology	Auburn University	Anti-Punishment Effects of Alcohol on Human Choice
<b>William D. Ratcliff</b>	Physics/Astronomy	Rutgers, The State University of New Jersey	Effect of Negative Chemical Pressure on a geometrically frustrated Antiferromagnet, $Zn_{1-x}Cr_xO$
<b>Elizabeth Rauleson</b>	Ecology	Towson University	Habitat Characterization of <i>Eucyba junaluska</i>
<b>Casandra L. Rauser</b>	Systematics/Evolutionary Biology	University of California-Irvine	Evolution of Late Life

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<b>Valerie C. Reeb</b>	Systematics/Evolutionary Biology	University of Chicago	Evolution of group I introns in symbiotic fungi
<b>Jennifer L. Remington</b>	Cell Biology/Biochemistry	University of Delaware	Mechanisms of crystallin level expression
<b>Cynthia L. Riccardi</b>	Ecology	Ohio University	The role of fire and weevil ( <i>Curculio</i> ) populations in oak regeneration in mixed-oak forests
<b>Judith V. Rios</b>	Ecology	University of Texas at El Paso	Analysis of stress protein induction in rotifers inhabiting the Rio Grande
<b>Raphael D. Ritson-Williams</b>	Ecology	University of Guam	Studies of Aposematism in phylidiid nudibranchs
<b>Joshua A. Robinson</b>	Physics/Astronomy	Towson University	Direct Measurements of Phase Transitions in Silicon Using X-Ray Microbeam and Atomic Force Microscope Techniques
<b>Christiane Rockl</b>	Cell Biology/Biochemistry	Unknown Institution	Interaction of Disease-associated Prion Protein with Plasminogen
<b>Julianne E. Rollenhagen</b>	Physiology/Functional Morphology	University of Pittsburgh	Neural Basis of Lateral Mirror Image Confusion: Testing the Anatomical Theory
<b>Narim A. Romo-Beltran</b>	Systematics/Evolutionary Biology	Universidad Autonoma del Estado de Hidalgo	Possible benefits of multiple mating for damselfly females
<b>Diogo R. Rosa</b>	Petrology/Geochemistry	Colorado School of Mines	Metallogenetic study of the Jales Gold district, northern Portugal
<b>Brad A. Rosov</b>	Physiology/Functional Morphology	University of North Carolina at Wilmington	The Neurophysiological Basis Of Antennular Flicking in the Blue Crab, <i>Callinectes sapidus</i>
<b>Rohina C. Rubicz</b>	Anthropology	University of Kansas	Origin of the Aleut People
<b>Deborah A. Rudnick</b>	Ecology	University of California-Berkeley	Trophic ecology of the Chinese mitten crab: using stable isotopes to discern food web impacts of a non-native species
<b>Cristina M. Rumbaitis-del Rio</b>	Ecology	University of Colorado at Boulder	Tracing the fate of nitrogen in a wind-disturbed and salvage logged forest using nitrogen isotopes
<b>James E. Russell</b>	Systematics/Evolutionary Biology	Texas State University-San Marcos	Sex determination, in <i>Belonocnema treatae</i> : linking sexual and asexual generations
<b>Amy L. Russell</b>	Systematics/Evolutionary Biology	University of Tennessee-Knoxville	Population Genetic Structuring of the Brazilian free-tailed bat, <i>Tadarida brasiliensis</i>
<b>Steven T. Rutherford</b>	Ecology	Miami University Ohio	The Regulation of Ice Nucleating Activity in <i>Pseudomonas fluorescens</i> by Quorum Sensing in <i>Gynerges groenlandica</i>

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<b>Richa Sagar</b>	Cell Biology/Biochemistry	Bowie State University	Transcriptional regulation of Choline acetyltransferase in chick retina development
<b>Vatsala Sagar</b>	Cell Biology/Biochemistry	University of Maryland, Baltimore County	Affinity Labeling the Anti-tumor Target Enzyme Glyoxalase I
<b>Albert A. Scappaticci</b>	Physiology/Functional Morphology	University of Rhode Island	Identification of the Satiety Molecule that Inhibits Feeding in 'Hydra attenuata'
<b>Danna M. Schock</b>	Ecology	Arizona State University	The effect of habitat characteristics on the ecology of an infectious disease using an amphibian-virus model
<b>Adam Schoonmaker</b>	Tectonics/Geophysics	University at Albany	Emplacement History of the Coast Range Ophiolite
<b>Richard D. Schultheis</b>	Ecology	Allegheny College	The Ecological Impacts of Fish Stocking in Alpine Lakes of Colorado
<b>Liberty R. Schwendiman</b>	Physics/Astronomy	Brigham Young University-Provo	Determination of Several Dwarf Cepheid Radii
<b>Elizabeth A. Scott</b>	Petrology/Geochemistry	State University of New York at Albany	Investigating the Significance of Grain and Phase Boundary Migration In Igneous Crystal-Melt Systems
<b>Melissa-Ann L. Scotti</b>	Behavioral Ecology	Clark University	Environmental and genetic influences on behavior
<b>Craig A. Seheult</b>	Cell Biology/Biochemistry	Loma Linda University	Novel plasmid vector co-expressing murine IL-12 and antisense TGF-b1
<b>Denis A. Shcherbakov</b>	Engineering	California Institute of Technology	Optical Emission Spectroscopy of Supersonic Plasma Jets
<b>Elizabeth K. Shea</b>	Physiology/Functional Morphology	Bryn Mawr College	Separation of the fused tentacles in an ommastrephid squid paralarva
<b>Leah M. Shepherd</b>	Cell Biology/Biochemistry	University of Louisville	Nitric oxide involvement in zebrafish brain development
<b>Debra M. Shier</b>	Behavioral Ecology	University of California-Davis	Development of Anti-Predator Behavior in the Black-tailed prairie dog ( <i>Cynomys ludovicianus</i> ) as it applies to reintroduction strategies
<b>Carol A. Sledz</b>	Cell Biology/Biochemistry	Unknown Institution	Investigation of the role of the interferon pathway in mammalian RNA interference
<b>James J. Snodgrass</b>	Anthropology	Northwestern University	Metabolic adaptation to cold stress in the Yakut of Siberia
<b>Darin C. Snyder</b>	Petrology/Geochemistry	Miami University Ohio	Timescales and processes involved in the eruption of a silicic magma: The Fogo A deposit, Sao Miguel, Azores
<b>Maria M. Soares</b>	Behavioral Ecology	University of California-Berkeley	Social organization of California voles ( <i>Microtus californicus</i> ): implications for the evolution of mammalian sociality

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<b>Christopher M. Spies</b>	Tectonics/Geophysics	University of Kansas	Cosmogenic Nuclide Dating of Pleistocene Alluvium near the Carrara Fault in the Amargosa Desert, Nye County Nevada
<b>Malkah L. Spivak-Birndorf</b>	Paleontology/Sedimentation	Smith College	Carbon-Isotope Stratigraphy of the Gorge Formation (Upper Cambrian), Northwestern Vermont
<b>Eric F. Stakebake</b>	Physiology/Functional Morphology	Weber State University	A biomechanical and immunohistochemical study of gliding flight in albatrosses
<b>Andrew M. Stoehr</b>	Behavioral Ecology	University of California-Riverside	Mating Systems and Sex Differences in Immunity in Insects
<b>Douglas A. Stoller</b>	Physiology/Functional Morphology	Bradley University	Cell Volume Regulation in Sea Turtle Erythrocytes
<b>Sandra M. Straw</b>	Cell Biology/Biochemistry	North Carolina State University	Measuring pH of Gravistimulated Plant Cells
<b>Jason W. Sutter</b>	Petrology/Geochemistry	Arizona State University	Hydrogen Fluoride Production in Mine Dumps and Tailings
<b>Anne E. Taunton</b>	Petrology/Geochemistry	University of Idaho	The Lung: A Reaction Chamber for Minerals
<b>Brad W. Taylor</b>	Ecology	University of Wyoming	Linking species behavior and ecosystem processes: does fish activity influence organic matter transport and the movement of energy in stream ecosystems?
<b>Laura A. Tedesco</b>	Anthropology	New York University	Assessing the Correlation between Craft Specialization and Economic Complexity during the Bronze Age in the Transcaucasus: Using Metallography and PIXE (Proton-Induced X-ray Emission Spectrometry) to Determine Standardization within Elemental Composition a
<b>Benjamin S. Thatcher</b>	Behavioral Ecology	University of Arkansas at Fayetteville	Some Effects of an Altered Fire Regime on Greater Prairie Chicken Populations at Tallgrass Prairie National Preserve
<b>John F. Tooker</b>	Ecology	University of Illinois at Urbana-Champaign	Ecological interactions between two species of gall wasps (Hymenoptera: Cynipidae: Antistrophus), their host plants (Asteraceae: Silphium), and parasitoids (Hymenoptera: Eurytomidae)
<b>Jane V. Trinh</b>	Physiology/Functional Morphology	Duke University	Neural Pathways that Support an ADHD Phenotype in DAT Knockout Mice

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Alphabetical by Recipient's Name

<b>Grant Recipient</b>	<b>Research Field</b>	<b>Institution</b>	<b>Study Title</b>
<b>Leigh B. Truong</b>	Behavioral Ecology	University of Mississippi	Does the major histocompatibility complex (MHC) influence kin recognition in Wild Turkeys ( <i>Meleagris gallopavo</i> )?
<b>Olga V. Tsyusko</b>	Ecology	University of Georgia	Radiation Induced Mutations in Cattails from Chernobyl
<b>Elizabeth A. Tucker</b>	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	Use of FRET to study the interactions between enzymes of the Arabidopsis flavonoid biosynthetic pathway
<b>Allison R. Tumarkin</b>	Paleontology/Sedimentation	University of Pennsylvania	Growth, Skeletal Maturity, and Periosteal Aging in the American Alligator ( <i>Alligator mississippiensis</i> )
<b>Gordon M. Turner</b>	Chemistry	Yale University	Time-resolved terahertz spectroscopy of transient photoconductivity in dye-sensitized titanium dioxide thin films
<b>David E. Vaillancourt</b>	Physiology/Functional Morphology	Pennsylvania State University	Time Regularity of Tremor in Parkinson's Disease
<b>Cristin A. Vaughan</b>	Ecology	University of California-Santa Cruz	Variation in Larval Supply at Different Spatial Scales And its Effect on Population Structure
<b>Jordan D. Vaughn</b>	Tectonics/Geophysics	Lehigh University	Paleomagnetic study of the Perferada Formation, Baja California
<b>Doris Vidal</b>	Ecology	University of California-Berkeley	Short-term Adaptation to Mercury by the Oligochaete <i>Sparganophilus</i>
<b>Ilonka S. von Lippke de Maxson</b>	Behavioral Ecology	University of California-Los Angeles	Testing reproductive skew models in a co-operatively breeding bird, the Galápagos mockingbirds ( <i>Nesomimus</i> spp)
<b>Joanna R. Vondrasek</b>	Behavioral Ecology	University of North Carolina at Chapel Hill	Evolution of Elaborate Female Signals in the Northern Cardinal
<b>Mary M. Wade</b>	Cell Biology/Biochemistry	Mississippi State University	Identification of a Novel Capsule-Associated Lipoprotein in <i>Pasteurella multocida</i>
<b>Cheryl Waters</b>	Tectonics/Geophysics	University of Wisconsin-Madison	Petrofabrics in the lower continental crust : Mount Hay, Arunta Block, Central Australia
<b>Sean M. Watts</b>	Ecology	University of California-Santa Barbara	The evolutionary response of plants to root herbivory
<b>Amy R. Weatherill</b>	Cell Biology/Biochemistry	Oregon State University	Uncovering the Mechanism of OX40 Costimulation in T cells
<b>Dustyn K. Webb</b>	Physiology/Functional Morphology	Texas Tech University	Hormonal regulation of intestinal hexose transport in Caco-2 cells
<b>Ravisha R. Weerasinghe</b>	Cell Biology/Biochemistry	North Carolina State University	Changes in the microtubule pattern during Nod factor application to Alfalfa root hairs



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<b>Paul H. Wetmore</b>	Tectonics/Geophysics	University of Southern California	An Evaluation of the Primary Fabric Ellipsoid for the Subaqueous Volcanics and Volcaniclastics of the Alisitos Formation, Baja California, Mexico
<b>David G. Willhite</b>	Cell Biology/Biochemistry	University of Cincinnati	Development of a phospholipase A2 inhibition assay as a tool to determine the mechanism of adaptive immunity in <i>Periplaneta americana</i> (the American cockroach)
<b>Carrie M. Wilson</b>	Ecology	Moss Landing Marine Laboratories	Invasion of the Seaweed <i>Sargassum muticum</i> on Rocky Seashores: Consequences for Community Structure
<b>Christopher C. Witt</b>	Systematics/Evolutionary Biology	Louisiana State University-Baton Rouge	Do genes lie? Resolving a contradiction between phylogeny and biology
<b>David A. Wood</b>	Physiology/Functional Morphology	Indiana University - Bloomington	Single unit activity in nucleus accumbens before and during natural reinforcement
<b>Shanna V. Woodard</b>	Engineering	University of Alabama at Birmingham	Mechanical Properties of Polyethylene Knee Implants
<b>Susan S. Wu</b>	Cell Biology/Biochemistry	University of California-Davis	Effects of Zinc Deficiency on Protein Kinase C and Iron Status
<b>Andrew S. Yang</b>	Ecology	Duke University	An examination of colony-level adaptation to seasonality along a latitudinal gradient in the ant, <i>Pheidole morrisi</i>
<b>Laura M. Zahn</b>	Systematics/Evolutionary Biology	University of Arizona	Mitochondrial variation in the gynodioecous <i>Bouteloua chondrosioides</i>
<b>Jonathan Zalben</b>	Engineering	Yale University	Noise Attenuation Using a Parabolic Muffler
<b>Andreas Zech</b>	Physics/Astronomy	Rutgers, The State University of New Jersey	Studying the highest energy cosmic rays with the 'High Resolution Fly's Eye' experiment (HiRes)
<b>Bo Zhang</b>	Physiology/Functional Morphology	University of New Hampshire	Are matrix metalloproteinase 2 (MMP2) and tissue inhibitor of metalloproteinases 2 (TIMP2) coordinately expressed with membrane type 1 metalloproteinase (MT1-MMP) in the bovine corpus luteum (CL) during the estrous cycle?