

Grants-in-Aid of Research Awards
March 15, 2004 Grant Cycle

Alphabetical by Recipient's Name

Grant Recipient	Research Field	Institution	Study Title
Nicole R. Abel	Behavioral Ecology	Gannon University	The influence of condition factor and body size on the vocalizations of male round gobies (<i>Neogobius melanostomus</i>)
Rachelle M. Adams	Behavioral Ecology	University of Texas at Austin	The Evolution of Social Parasitism in <i>Megalomyrmex</i> Ants
Heidi L. Alderman	Ecology	East Carolina University	Osprey as a Model of Mercury Accumulation in Top Predators in Aquatic Ecosystems
Kimberly O. Allegretto	Anthropology	Brandeis University	The role of maize in the development of sociopolitical complexity in the Central Mississippi Valley, AD 800-1200
Robert H. Amerman	Tectonics/Geophysics	Colorado School of Mines	Structural analysis of soft-sediment deformation in a paleo-submarine slump and slide complex and prediction of overlying deep-water sandstone architecture
Rindy C. Anderson	Behavioral Ecology	University of Miami	The cardiac response as a measure of song perception in the song sparrow <i>Melospiza melodia</i>
Alberto Anzures Dadda	Ecology	Instituto de Ecologia, A.C.	The consequences of rainforest fragmentation and the loss of howler monkeys on seeds dispersal and seedling recruitment in <i>Dialium guianense</i>
Katherine K. Arkema	Ecology	University of California-Santa Barbara	The Influence of Giant Kelp on Suspension-Feeding Marine Invertebrates
Miriam B. Attenoukon	Tectonics/Geophysics	Indiana University - Bloomington	Timing of Assembly of Tectonic Terranes in Eastern Massachusetts
Rafael Avila-Flores	Ecology	University of Alberta	Demography and population dynamics of black-tailed prairie dogs in a fragmented landscape of Chihuahua, Mexico
Adrian B. Azpiroz	Ecology	University of Missouri-St. Louis	Ecology and Conservation of Pampas Grassland Birds

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Karen L. Baab	Anthropology	The Graduate Center, The City University of New York	Cranial Variation in Homo erectus
David B. Baier	Paleontology/Sedimentation	Brown University	Shoulder Mechanics and the Evolution of Avian Flight
Susan L. Balenger	Behavioral Ecology	Towson University	Does extra-marital mating make bluebirds blue? Color and paternity in Mountain Bluebirds
Pamilla J. Ball	Chemistry	University of Cincinnati	Investigating Electronic Communication Mediated by β -stacks
Deedra M. Balli	Petrology/Geochemistry	University of Houston-Downtown	Determination of the Ammonium Present in the Granites in the Bullrun and Grouse Creek Intrusions in NE Oregon
Sarah B. Barber	Anthropology	University of Colorado at Boulder	Early State Organization on the Pacific Coast of Oaxaca, Mexico
Thomas M. Barry	Cell Biology/Biochemistry	University of New Hampshire	Molecular Investigations of Photobiology in the Green Sea Urchin, <i>Strongylocentrotus droebachiensis</i>
Benjamin K. Barton	Psychology	University of Alabama at Birmingham	Children's Self-Selection into Risky Pedestrian Settings
Mark S. Baum	Tectonics/Geophysics	Rutgers, The State University of New Jersey	Oblique-inversions structures: their geometry, development, and utility as strain-state indicators
Oliver M. Beckers	Behavioral Ecology	University of Missouri-Columbia	Phenotypic plasticity of mate choice
Anna K. Beene-Crowder	Hydrology/Geomorphology	University of Montana	Can a river heal itself? A case study on the upper Clark Fork River, MT
Todd I. Belanger	Tectonics/Geophysics	Western Washington University	Kinematics, metamorphism, and geochronology of the Cascade River area, North Cascades, Washington Implications for a model of orogeny
Sanja Benac	Engineering	Saint Louis University	Characterizing Polymers to Increase Bone Growth for Orthopedic Applications

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Michael L. Benjamin	Petrology/Geochemistry	University of Kansas	Origin and provenance of the Gula Nappe Complex from age dating of detrital zircons, South-Central Norwegian Caledonides
Alison E. Bennett	Ecology	Indiana University - Bloomington	Mechanisms underlying complex interactions between plants, herbivores, and arbuscular mycorrhizal fungi
Jessica S. Berndt	Psychology	University of Wisconsin-Madison	Influences of Paternal Behavior on the Development of Aggression
Michael L. Bessert	Systematics/Evolutionary Biology	University of Nebraska at Lincoln	Systematics and conservation genetics in the North American fish genus <i>Cycleptus</i> (Catostomidae)
Tracy K. Betsinger	Anthropology	Ohio State University	Gender-Based Health Differences in Medieval Poland
Sayantana Biswas	Systematics/Evolutionary Biology	George Washington University	Diversification in a biodiversity hotspot: an example from the Western Ghats (India) herpetofauna
Chelsea Blackmore	Anthropology	University of California-Riverside	Quantitative Phosphorous Testing of Exterior Living Spaces as an Index of Social Identity
April M. Blakeslee	Ecology	University of New Hampshire	Discerning the ecological history of a cryptogenic marine snail, <i>Littorina littorea</i> , utilizing a novel combination of molecular genetics and parasites
Katherine P. Bleiker	Ecology	University of Montana	Interactions between <i>Dendroctonus ponderosae</i> and its filamentous fungal associates
Elizabeth Bone	Ecology	University of Massachusetts Amherst	A test for evolved increase in phenotypic plasticity in invasive populations of cheatgrass, <i>Bromus tectorum</i> L
Frances Bonier	Physiology/Functional Morphology	University of Washington	Urban Adaptation in North American Passerine Birds
Alejandra Bonilla	Petrology/Geochemistry	University of Cincinnati	Arsenic study in Mason, Ohio

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Melanie J. Bopp	Physiology/Functional Morphology	University of North Carolina at Greensboro	Effects of exercise on bone mineral density during lactation
Raoul K. Boughton	Physiology/Functional Morphology	University of Memphis	Distinguishing the immunosuppressive actions of testosterone and corticosterone
Peter E. Bouwma	Behavioral Ecology	Florida State University	The aposematic function of sound production in spiny lobsters
Nicole D. Bowerman	Hydrology/Geomorphology	Western Washington University	Testing Extreme Holocene Climate Fluctuations in Alpine Lake and Moraine Deposits, Sierra Nevada, California
Diana L. Boyer	Paleontology/Sedimentation	University of California-Riverside	Relative Oxygen Model Based on Devonian Black Shale Brachiopods
Leslie A. Brandt	Ecology	University of Minnesota, Twin Cities	Do changes in ultraviolet-B radiation affect mycorrhizal colonization? An investigation in the Colorado shortgrass steppe
Christy E. Briles	Ecology	University of Oregon	Postglacial forest development and disturbance history from the biologically diverse Klamath Mountains
Curtis J. Brown	Ecology	University of Maine, Orono	Spatial Effects of Predation on the American Lobster
Jessica R. Brzyski	Ecology	Georgia Southern University	Beaver (<i>Castor canadensis</i>) Impacts on Herbaceous Plant Communities in Southern Georgia
Christine R. Buckley	Ecology	Tulane University	The effects of egg retention in cold climates on offspring morphology and performance in a montane lizard
John A. Bunce	Anthropology	University of California-Davis	Ecological Consequences of Trichromatic Color Vision for <i>Callicebus brunneus</i> , a New World Monkey
Alyssa M. Carlson	Physiology/Functional Morphology	Hobart and William Smith Colleges	The Retinal Morphology of Microchiropteran and Megachiropteran Bats

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Alejandra Carvajal	Ecology	University of Wisconsin-Oshkosh	Seed dispersal and predation by a tropical forest rodent
Jason L. Cashmore	Behavioral Ecology	University of Illinois at Urbana-Champaign	Factors affecting site fidelity of a burrowing crayfish
Alessandro M. Catenazzi	Ecology	Florida International University	Marine productivity and gecko populations in the Peruvian coastal desert: the importance of marine food subsidies as revealed by stable isotopes and dietary analyses
Yu Chen	Physiology/Functional Morphology	Virginia Polytechnic Institute and State University	Effects of Thyroid Disruption on Gene expression in Developing Avian Brain
Shawn A. Chester	Engineering	New Jersey Institute of Technology	Discrete Element Modeling of Granular Segregation Induced By Horizontal Vibrations
Zachary A. Cheviron	Systematics/Evolutionary Biology	Louisiana State University-Baton Rouge	Determining the relative importance of natural selection and genetic drift: an empirical investigation of genetic, morphological, and physiological divergence in Andean birds
Cynthia F. Chi	Cell Biology/Biochemistry	University of Massachusetts Amherst	An in vitro model to determine the mechanism by which statins and ubiquinone affect C2C12 myotubes
Elizabeth M. Chislock	Cell Biology/Biochemistry	Pennsylvania State University	Regulation of Osteoblast Alkaline Phosphatase Activity by Bone-Metastatic Breast Cancer Cells
Jennifer L. Ciaccio	Behavioral Ecology	University of Miami	The ontogeny of feeding behavior in the lemon shark, <i>Negaprion brevirostris</i> : the roles of experience and maturation in foraging skill acquisition of a generalist predator
Vlad A. Codrea	Cell Biology/Biochemistry	University of Texas at Austin	Computationally-Guided Approach to Augmenting the Genetic Code

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Marcos M. Coelho	Systematics/Evolutionary Biology	University of Missouri-St. Louis	Systematics, Biogeography and Population History of Fire-eye Antbirds (Thamnophilidae, Aves) in the Neotropics
Timothy M. Cofer	Chemistry	Tennessee Technological University	Selective Dissolution of Heavy Metals from Soils Utilizing Accelerated Solvent Extraction
Aaron F. Collins	Ecology	Florida Institute of Technology	Testing false-color satellite imaging of Los Amigos, Peru for trends in vegetative structure
Timothy M. Connallon	Systematics/Evolutionary Biology	University of Michigan-Ann Arbor	The Evolution of Sexual Dimorphism
Laurie L. Consaul	Systematics/Evolutionary Biology	McGill University	The role of polyploidy in the systematics and evolution of arctic alkaligrasses (Puccinellia)
Brian S. Cook	Tectonics/Geophysics	Virginia Polytechnic Institute and State University	Strain symmetry at the base of the Moine nappe, NW Scotland: implications for material flow along orogenic strike
Miranda M. Cooley	Behavioral Ecology	Oregon State University	Feather Choice In Tachycineta Swallows
Idelle A. Cooper	Behavioral Ecology	Indiana University - Bloomington	Maintenance of the female color polymorphism in damselflies by negative frequency-dependent selection
Lauren M. Costa	Physiology/Functional Morphology	Princeton University	The Hormonal Control of Year-Round Aggression in Avian Females
John C. Crawford	Petrology/Geochemistry	University of Tennessee-Knoxville	Investigating the Origin of an Unusual Precambrian Carbonate Morphology
Justin R. Crepp	Physics/Astronomy	Pennsylvania State University	Gas-assisted Capture of Earth-like Satellites by Migrating Exosolar Planets
Margaret C. Crofoot	Anthropology	Harvard University	Distribution and Movement Patterns of Capuchin Monkeys on Barro Colorado Island, Panama

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Lisa T. Crummett	Systematics/Evolutionary Biology	University of Florida	A test of selective arena in <i>Campeloma limum</i> as an explanation for the association between brooding and parthenogenesis
Patrick D. Curtis	Cell Biology/Biochemistry	University of Georgia	Biological Cyanide Production in <i>Myxococcus xanthus</i>
Ana P. Cutrera	Behavioral Ecology	Universidad Nacional de Mar del Plata	Intraspecific comparative study of the dispersal patterns in two populations of the subterranean rodent <i>Ctenomys talarum</i>
Wasila M. Dahdul	Systematics/Evolutionary Biology	University of Pennsylvania	Temporal origins of Neotropical diversity: Phylogeny and diversification of serrasalmine fishes (Ostariophysi: Characiformes)
Ahmad Y. Dalqamouni	Engineering	Kent State University	Development of Landslide Hazard Potential Rating System for Selected Counties in Northeast Ohio
Nicole Danos	Physiology/Functional Morphology	University of Massachusetts Amherst	Material properties and locomotor function of skin in swimming vertebrates
Paul A. De Luca	Behavioral Ecology	University of Missouri-Columbia	Patterns of mating and dispersal behavior in a treehopper
Melissa K. Dean	Ecology	Humboldt State University	The effects of the rodenticide Ramik Green on the non-target slug <i>Limax maximus</i> in OlaEa Forest on the island of Hawaii
Linnae N. DeCamp	Ecology	California State University-San Marcos	Effects of increased carbon dioxide on calcification rates in magnesian calcite producers
Catherine L. Denoncourt	Petrology/Geochemistry	University of New Hampshire	Establishing Production Rates of Cosmogenic ³⁶ Cl from Holocene Lava Flows in the Western Volcanic Zone of Iceland

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Terrence J. Dewane	Tectonics/Geophysics	University of Kansas	Cenozoic E-W Extension in the Southern Tangra Yum Co and Kung Co Rifts, Central Tibet
Jean L. Dixon	Hydrology/Geomorphology	Dartmouth College	Climatic Controls on Soil Erosion: Investigation of quantified erosion rates along a climate gradient in the Sierra Nevada, California
Hung Q. Doan	Cell Biology/Biochemistry	University of Texas at Austin	Determining Reptilian Sex-Specific Markers Using AFLP
Seth D. Dobson	Anthropology	Washington University in St. Louis	Comparative Study of Facial Mobility in Nonhuman Anthropoids
Janet R. Donaldson	Cell Biology/Biochemistry	Mississippi State University	Involvement of RuvAB and RecG in the Recovery of Replication following UV-induced DNA Damage in Escherichia coli
Stephanie M. Doucet	Systematics/Evolutionary Biology	Auburn University	Co-evolution of visual photoreceptors and plumage ornamentation in Neotropical manakins (Aves: Pipridae)
Angela M. Dubois	Ecology	University of Alaska Fairbanks	Dynamics of chemical defenses in four Kachemak Bay kelp species as a response to gastropod grazing patterns
Ashley S. Dumas	Chemistry	Saint Anselm College	Quantitative Spectroscopic Characterization of Ancient Coins
Beth C. Duschatko	Petrology/Geochemistry	Northern Arizona University	Tephrochronology of pre-Holocene deposits, Newberry Volcano, Oregon
Kristina L. Ecton	Ecology	Northern Arizona University	Evaluating Migratory Routes of Neotropical Migrants Using Stable Isotopes
Carolyn M. Eng	Physiology/Functional Morphology	Duke University	A comparative analysis of temporalis muscle fiber architecture in tree-gouging (<i>Callithrix jacchus</i>) and non-gouging (<i>Saguinus oedipus</i>) callitrichids

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Vesela V. Evtimova	Ecology	Unknown Institution	Biological Assessment of Karst Water Ecosystem in the Ponor Mountains, Western Bulgaria: Role of Crustaceans as Bioindicators
Jose F. Fabara	Ecology	University of Missouri-St. Louis	The impact of human activities on macaw diversity and abundance in lowland forest of Amazonia
Erin R. Fanning	Ecology	University of Central Missouri	Great Smoky Mountains National Park: Vertical Distribution of Lichen Growth Forms in Canopies of Selected Tree Species
Elizabeth A. Fasy	Ecology	Oregon State University	Effects of Ultraviolet-B Radiation on Melanin Production and Heat Shock Proteins in Amphibians
Trista L. Felty	Ecology	Villanova University	Are College Campuses Reservoirs for Arthropod Diversity and Abundance?
Chad A. Ferguson	Paleontology/Sedimentation	University of Cincinnati	Making the Transition from Subfossil to Fossil: The Formation of Shell Beds in the Record
Rita M. Fincher	Ecology	Tulane University	Metabolic cost of increased production of secondary compounds in a tropical understory shrub
Susanna C. Finn	Physics/Astronomy	Brown University	Analysis of Photometric Redshifts of Galaxies with BLAST
Bradley A. Flowers	Chemistry	University of Texas at Austin	Thermochemistry of Peroxyacetyl Nitrate via Vibrational Overtone Absorption Spectroscopy
Diane D. Forson	Physiology/Functional Morphology	Washington State University	Agricultural contaminants as a potential cofactor in recent tiger salamander (<i>Ambystoma tigrinum</i>) epizootics
Matthew R. Freeman	Anthropology	University of Southern Mississippi	Social and Political Complexity at Deathly Silent Mound

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Paula C. Furey	Ecology	Bowling Green State University	Biodiversity of diatoms in Forney Creek, Great Smokey Mountains National Park
Kurt E. Galbreath	Systematics/Evolutionary Biology	Cornell University	Comparative phylogeography of a co-evolving system: tracing the genetic signature of late Quaternary climate change in the pika (<i>Ochotona princeps</i>) and its helminth parasites
Dragos M. Galusca	Cell Biology/Biochemistry	Emporia State University	Interaction between Hyperinsulinemia and Depressed Levels of Insulin-like Growth Factor 1 on Neuronal Cell Survival in Alzheimer's Disease
Reuben R. Ganske	Petrology/Geochemistry	Idaho State University	Petrology and Geology of the East Butte area, Bingham County, Idaho: Implications for Bimodal Volcanism on the eastern Snake River Plain
Benjamin J. Garcia	Petrology/Geochemistry	University of Alabama at Tuscaloosa	Characterization of plagioclase resorption surfaces: Magma mixing versus degassing
Parham P. Gardner	Petrology/Geochemistry	Colorado State University	Determining molybdenite behavior during deformation and its effect on the Re-Os geochronometer
Laura J. Geffner	Cell Biology/Biochemistry	Universidad de Buenos Aires	Direct PCR detection of <i>Cryptosporidium parvum</i> in human feces and environmental waters
Kaushik Ghosal	Physiology/Functional Morphology	Miami University Ohio	Brain circuits controlling specific behaviors in the cricket: c-Fos as a marker of neuronal activation
Nelly A. Gidaszewski	Systematics/Evolutionary Biology	University of Manchester	Evolution of fluctuating asymmetry in <i>Drosophila</i> wing shape
Robert J. Gillis	Tectonics/Geophysics	University of California-Los Angeles	Assessing uplift and shortening in the Cordillera Real, Bolivia: Geologic and thermal constraints
Brad M. Glorioso	Ecology	Middle Tennessee State University	Harvesting Effects on Survivability of Hatchling and Yearling Turtles

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Evan S. Grant	Anthropology	University of Arizona	Investigating human diet in northern Mongolia during the Pleistocene
Veronica C. Gross	Psychology	Bowie State University	Declarative Memory in Color-Graphemic Synesthesia
Kristin M. Guthrie	Tectonics/Geophysics	Miami University Ohio	Structural controls on fluvial/alluvial deposition, Ischigualasto Basin, NW Argentina
Alyssa D. Hakes	Systematics/Evolutionary Biology	Louisiana State University-Baton Rouge	The evolution of trichome production in Arabidopsis thaliana
Kevin J. Haley	Psychology	University of California-Los Angeles	An investigation of the relationship between facial phenotype and decisions affecting cooperation
Edward K. Hall	Ecology	University of Minnesota, Twin Cities	Temperature and Resource Effects on Bacterial Stoichiometry and Nutrient Recycling
Joshua D. Halonen	Psychology	University of Wisconsin-Milwaukee	The Effects of Bilateral Lesions of the Dentate Nucleus of the Cerebellum on Intensity Dependent Stimuli
Jandy B. Hanna	Anthropology	Duke University	Vertical climbing efficiency in primates
Andrea M. Hanson	Cell Biology/Biochemistry	University of Colorado at Boulder	Investigating the effect of simulated microgravity and radiation on osteoblasts for the ultimate prediction of changes in long duration space flight
Benjamin W. Harmon	Chemistry	Tennessee Technological University	Extraction of Radioactive Cesium from High-Level Waste
Andrea L. Hatch	Anthropology	University of Puget Sound	Musculoskeletal stress markers (MSM) as indicators of kneeling behavior in a Byzantine Jerusalem monastery
Bo J. Hayes	Cell Biology/Biochemistry	Middle Tennessee State University	The isolation and characterization of a novel Legionella-like amoeba pathogen from a cooling tower

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Jennifer M. Head	Physiology/Functional Morphology	University of Oregon	The effects of hypoxia on HIF-1a and hemocyanin expression in Cancer magister
Katy D. Heath	Systematics/Evolutionary Biology	University of Minnesota, Twin Cities	The Dynamics of Mutualism in Plants and Rhizobia
Katherine A. Heminger	Cell Biology/Biochemistry	Wright State University	MdmX Affects on Tumor Cell Gene Expression
Ross R. Hendrick	Hydrology/Geomorphology	Central Washington University	THE ROLE OF GEOMORPHIC AND HYDROLOGIC FEATURES ON SEDIMENT CLUSTERS IN GRAVEL-BED STREAMS, WASHINGTON: A FIELD-BASED APPROACH
Christine M. Henzler	Systematics/Evolutionary Biology	Duke University	Effects of rafting and Pleistocene glaciation on intraspecific genealogies of North Atlantic amphipods (Crustacea: Amphipoda)
Sonia M. Hernandez-Divers	Ecology	University of Georgia	Prevalence of disease in free-ranging birds in and around the Maquipucuna Reserve, Ecuador and its relationship to habitat use
Katherine J. Hinde	Anthropology	University of California-Los Angeles	Maternal Condition and Lactational Investment: Milk Composition in Rhesus Macaques (<i>Macaca mulatta</i>)
James S. Hnat	Tectonics/Geophysics	University of Michigan-Ann Arbor	Paleomagnetism of the Keweenaw Peninsula - Investigation of Potential Orocline Rotation
Timothy D. Hollis	Anthropology	University of Massachusetts Amherst	An Elite Maya Residence in at Dos Hombres, Belize
Basarab G. Hosu	Cell Biology/Biochemistry	University of Missouri-Columbia	The role of the cytoskeleton mechanotransduction: a study using magnetic tweezers
Jason T. Hoverman	Ecology	University of Pittsburgh	The evolution of phenotypic plasticity in snails: the role of phenotypic trade-offs
Shusheng Hu	Paleontology/Sedimentation	University of Florida	Early flowering plant evolution during the mid-Cretaceous

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Keith M. Jackson	Hydrology/Geomorphology	Portland State University	The effect of supra-glacial debris on the morphology of Eliot Glacier, Mt Hood, Oregon
Erin C. Jenewein	Physiology/Functional Morphology	University of Wisconsin-Oshkosh	Smith-Lemli-Opitz Syndrome and Retinal Cones
Theresa O. Jenkins	Ecology	University of Nevada, Reno	Comparative Phylogeography of Lahontan Cutthroat Trout (<i>Oncorhynchus clark henshawi</i>) and the Paiute Sculpin (<i>Cottus beldingi</i>): application of a model approach to ecosystem management
Debra S. Jennings	Paleontology/Sedimentation	University of Kansas	Paleoenvironmental Reconstruction of Morrison Formation Deposits, Big Horn Basin, Wyoming
Punidan D. Jeyasingh	Ecology	University of Oklahoma	Ecosystem and genetic characteristics affect susceptibility to predation?
Gera M. Jochum	Cell Biology/Biochemistry	West Virginia University	Variations in Root Ginsenosides from <i>Panax quinquefolius</i> (American ginseng) Grown under Increased Temperature
Sarah E. Johnson	Ecology	East Carolina University	The effects of competition on seabeach amaranth (<i>Amaranthus pumilus</i> , Raf)
Sheri L. Johnson	Ecology	University of Maine, Orono	Density dependent historecognition in the colonial ascidian, <i>Botryllus schlosseri</i> , as influenced by genetic relatedness
Jeremy C. Jones	Cell Biology/Biochemistry	University of Wisconsin-Madison	The Importance of TGF β in the Host Immune Response to Lethal H5N1 Influenza Infection
Elizabeth E. Jones	Physiology/Functional Morphology	Miami University Ohio	Regulation of neuronal survival in adult sympathetic neurons
Molishree U. Joshi	Cell Biology/Biochemistry	East Carolina University	The Use of E-selectin antagonist peptide to investigate the migration of exogenous endothelial cells to tumor vasculature

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Joanna Joyner-Matos	Physiology/Functional Morphology	University of Florida	Normoxia as a stressor: abiotic factors influencing the distribution of the bivalve <i>Sphaerium</i> spp in an African swamp
Talia S. Karim	Paleontology/Sedimentation	University of Iowa	Lower Ordovician (Ibexian) trilobites of the Cow Head Group, western Newfoundland, Canada
Pallop Karnchanaphanurach	Chemistry	Harvard University	Single Particle Tracking Reveals Evidence of Spatial Organization in the Regulation of Complement Activation on the Erythrocyte Membrane
Lisa D. Karst	Systematics/Evolutionary Biology	Portland State University	Do pollinator shifts and floral character evolution correlate to large area radiations in <i>Sisyrinchium</i> (Iridaceae)?
James A. Kenworthy	Anthropology	University of North Carolina at Chapel Hill	Enhancing the Digital Representation of Archaeological Landscapes: Microtopography & GIS
Lawrence M. Kiage	Paleontology/Sedimentation	Louisiana State University-Baton Rouge	Vegetation Change and Land Degradation in the Lake Baringo Ecosystem, Kenya, and East Africa: Evidence from Paleoecology and Remote Sensing
Mari Kimura	Ecology	Cornell University	What happens when pathogens meet a novel host? Avian malaria in the house finch
Sean W. Kinane	Ecology	University of South Florida	Effects of Hydrodynamics on Bleaching in Corals: Does Increased Flow Lead to Diminished Bleaching Stress?
Jessica Y. Kiser	Ecology	University of Northern Colorado	Resource use in relation to wingloading in female bats in Boulder County, CO
Page E. Klug	Ecology	University of Nebraska at Omaha	The effects of grassland patch and landscape characteristics on the predator community of grassland bird nests

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Fawna J. Korhonen	Tectonics/Geophysics	University of Minnesota, Twin Cities	A geochronological investigation of the emplacement of the Red Wine Mountains massif, eastern Grenville Province, Labrador
Lindsey M. Kraatz	Hydrology/Geomorphology	University of North Carolina at Wilmington	An Assessment of Back-Barrier Marsh Habitat Using Historical Aerial Photography
Johanna M. Kraus	Ecology	University of Virginia	Reciprocal subsidies at a pond-forest boundary
Alexander Kushnir	Cell Biology/Biochemistry	Yeshiva University	Determining the FKBP126 binding site on ryanodine receptor/Ca ²⁺ release channels
Young-Don Kwak	Physiology/Functional Morphology	University of Illinois at Chicago	Novel therapeutic approach for Alzheimer's disease using small interference RNA
Mok Leh Woon	Psychology	University of Minnesota, Twin Cities	fMRI study of memory systems underlying the differential outcomes effect
Gang Li	Cell Biology/Biochemistry	University of California-Riverside	Recruitment of TAF1 to DNA by acetylated p53
Susan E. Lofthouse	Anthropology	McGill University	Foxe Basin Archaeology Project
Silvia B. Lomßscolo	Ecology	University of Florida	Role of Seed Dispersers in the Evolutionary Diversification of Fruiting Plants
Cristina Lopez-Gallego	Systematics/Evolutionary Biology	University of New Orleans	Predicting the response to natural selection in a long-lived plant
Oliver P. Love	Physiology/Functional Morphology	Simon Fraser University	Effects of elevated yolk corticosterone on nestling phenotype
Li Lu	Cell Biology/Biochemistry	Miami University Ohio	Studies on Cold Resistance in Palms: Analysis of CBF-like (Cold Binding Factor) Genes
Heidi M. Luchsinger	Anthropology	Texas A&M University-College Station	Dating the Late Pleistocene Climate Reversal in Central Argentina
Matos F. Luis	Physiology/Functional Morphology	University of Florida	How is <i>Diachasmimorpha longicaudata</i> Entomopoxvirus (DIEPV) acquired by wasp offspring?

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Deborah I. Lutterschmidt	Physiology/Functional Morphology	Oregon State University	Comparative Physiology of Time-Keeping Mechanisms: Evolved or Environmentally Induced?
Cynthia K. Maddox	Ecology	Central Michigan University	Genetic Evaluation of Black-Footed Ferrets for Reintroduction Purposes
Hareth M. Madhoun	Physiology/Functional Morphology	Widener University	Does atrazine act as an innate immune system disruptor in adult Northern Leopard Frogs (<i>Rana pipiens</i>) at levels lower than found in EPA drinking water standards?
Vanessa M. Madrid	Ecology	State University of New York at Stony Brook	Quantification of bacterial metabolic activities in deltaic tropical mobile muds
Seth B. Magle	Ecology	Colorado State University	The Persistence of Wildlife Communities on Urban Habitat Islands in the Colorado Front Range
Lori L. Manship	Paleontology/Sedimentation	Texas Tech University	VARIATION ANALYSIS OF PALMATOLEPIS (IMPLEMENTING GIS): A QUALITATIVE AND QUANTITATIVE METHOD
Yuanbing Mao	Chemistry	State University of New York at Stony Brook	Synthesis and Characterization of BaTiO ₃ and SrTiO ₃ nanostructures
Julie G. Markin	Anthropology	University of Georgia	Woodstock: Understanding Settlement, Subsistence and Political Change in the Late Woodland Southeast
Scott H. Markwith	Systematics/Evolutionary Biology	University of Georgia	Multi-scale Analysis of Gene Flow in the Emergent Aquatic Macrophyte <i>Hymenocallis coronaria</i>
Verity L. Mathis	Behavioral Ecology	New Mexico State University	Conservation genetics of banner-tailed kangaroo rats (<i>Dipodomys spectabilis</i>): a molecular ecology perspective
William B. Mattingly	Ecology	Indiana University - Bloomington	The Role of Soil Nitrogen Heterogeneity in Enhancing the Diversity and Productivity of Prairie Communities

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Justin B. Maxhimer	Cell Biology/Biochemistry	Rush University	Expression and Gene Regulation of Heparanase in Diabetic Nephropathy
Krista A. McCoy	Physiology/Functional Morphology	University of Florida	Behavioral and fitness consequences of endocrine disruption in wild amphibian populations
Laura R. McCunn	Chemistry	University of Chicago	Probing the Dissociation Dynamics of the Methoxycarbonyl Radical
Joel W. McGlothlin	Behavioral Ecology	Indiana University - Bloomington	Static and dynamic sexual traits in dark-eyed juncos: evolutionary integration or alternative mating strategies?
Ann M. McNamara	Physiology/Functional Morphology	Cornell University	Decoding the Function of Secondary Olfactory Structures by Manipulating Behavioral Context
Michael W. McRivette	Tectonics/Geophysics	University of California-Los Angeles	Tectonic development of the easternmost segment of the Altyn Tagh fault system and the Nan Shan thrust belt, northwestern China
Laurie Menviel	Petrology/Geochemistry	University of Hawaii at Manoa	Paleoclimatic study of an alpine lake
Ian M. Miller	Tectonics/Geophysics	Yale University	California real estate in Alaska?: Paleofloral constraints on displacement of suspect terranes
Virginia A. Miller	Systematics/Evolutionary Biology	University of Chicago	Increasing complexity in cheilostome bryozoans: a passive or driven trend?
Joshua H. Miller	Paleontology/Sedimentation	University of Chicago	The Bones of Yellowstone: An Exploration into Temperate Vertebrate Taphonomy and a Comparison with Amboseli, Kenya
Johanna M. Missak	Cell Biology/Biochemistry	University of Nebraska at Omaha	Structural analysis of the 5' nontranslated region (5'NTR) in the genomic RNA of wild type and nonvirulent strains of the Cocksackie B3 virus

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Maxim V. Mokin	Physiology/Functional Morphology	University of South Dakota	Studying AMPA receptor trafficking during in vitro eyeblink classical conditioning in turtles
Angela B. Moline	Ecology	Colorado State University	The effect of non-native riparian vegetation on stream invertebrate communities
Jeffrey A. Moore	Ecology	Appalachian State University	Effects of a Hyperalkaline Spill on the Macroinvertebrate Community Structure in a Fourth Order Stream
Steven M. Movit	Physics/Astronomy	Pennsylvania State University	A New Technique for Calibrating High-Energy Neutrino Detectors: AMANDA/IceCube
Kathleen M. Muldoon	Anthropology	Washington University in St. Louis	Paleoecology of Ankilitelo: Implications for Late Quaternary Megafaunal Extinctions
Jane L. Murawski	Ecology	Central Michigan University	Impacts of Road Salt Runoff on Population Size, Development, and Survival Rates of the Wood Frog (<i>Rana sylvatica</i>)
Meaghan T. Murphy	Ecology	McGill University	Tree species diversity and soil respiration in a Panamanian plantation
Erin F. Murphy	Ecology	University of Nevada-Las Vegas	Molecular Survey of a Macroscopic White Flocc-forming Microbial Community in Darrough's Hot Spring, a 95 °C Spring in Central Nevada
Melanie A. Murphy	Ecology	Washington State University	Landscape Genetics of Boreal Toad (<i>Bufo boreas boreas</i>) and Boreal Chorus Frog (<i>Pseudacris maculata</i>) Populations in Yellowstone National Park
Bridgette F. Nace	Behavioral Ecology	California State University-Northridge	Reproductive Behavior of Black Perch (<i>Embiotoca jacksoni</i>)

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Brett C. Nagle	Systematics/Evolutionary Biology	University of Minnesota, Twin Cities	Molecular Phylogenetics and Trophic Morphology of the Cyprinid Genera, <i>Campostoma</i> and <i>Nocomis</i> (Ostariophysi: Cyprinidae)
Monica A. Needoba	Ecology	St. Mary's College of California	Assesing the Environmental Quality of Suisun Bay Through Water, Sediment and Organism Census Data
Vanessa L. Nero	Ecology	University of Miami	The influence of abiotic and biotic factors on nearshore marine communities of the Bahamas
Jordan M. Newell	Cell Biology/Biochemistry	Lebanon Valley College	Examination of the sequence requirements for the dimerization of guanosine-5'-monophosphate synthetase (GMPS)
Katherine A. Nicholson	Paleontology/Sedimentation	University of Southern California	Mat-busters: ichnofossil evidence for the Cambrian Substrate Revolution
Elizabeth F. Nicklen	Ecology	University of Alaska Fairbanks	Ant Effects on the Reproduction of <i>Acacia constricta</i>
Eric S. Nocerino	Anthropology	University of California-Santa Barbara	Functional Differences Between Upland and Lowland Neolithic Sites in Southern Germany
Mark Novak	Ecology	University of Chicago	Omnivory, interaction web dynamics, and the properties of real food webs
Colleen H. Nyberg	Anthropology	University of Missouri-Columbia	Social Support Networks and Child Morbidity in a Dominican Village
Shannon P. O'Grady	Physiology/Functional Morphology	University of Utah	Effect of fiber levels on specific dynamic action and digestion in a small herbivorous lizard
Timothy A. Oleson	Petrology/Geochemistry	University of Wisconsin-Madison	Quantifying Adsorption Energies of a Cell Membrane Phospholipid on Oxide Mineral Surfaces

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Erin A. Olson	Behavioral Ecology	Idaho State University	Mating Strategies in the Female Burying Beetle, <i>Nicrophorus investigator</i> : a case of Intraspecific Brood Parasitism
Mary A. Olson-Russello	Systematics/Evolutionary Biology	University of New Haven	Assessment of Population Differentiation in the Polychaete, <i>Hobsonia florida</i> in Light of the Geologic History of Long Island Sound
Isaac O. Onyango	Chemistry	Kenyatta University	Phytochemical and Biological Studies of Selected Kenyan Croton Species Used in Traditional Medicine
Quintin M. Overocker	Paleontology/Sedimentation	University of Tennessee-Knoxville	Origin of Breccias in the Wallace Fm, Mesoproterozoic Belt Supergroup, MT and ID
Arpat Ozgul	Ecology	University of Florida	Effects of patch quality and network structure on patch-occupancy dynamics of a yellow-bellied marmot metapopulation
Tonya A. Penkrot	Ecology	Johns Hopkins University School of Medicine	Paleoecological Inferences on Paleocene-Eocene Condylarths using Dental Morphometrics
Daniel J. Peppe	Paleontology/Sedimentation	Yale University	An integrated biostratigraphic study of the Paleocene floras in the Williston Basin, North Dakota, USA
Ethan R. Perry	Petrology/Geochemistry	University of Texas at Austin	Field and petrographic study of mylonitic fabrics: Implications for tectonic corrugation development, Tanque Verde Ridge, Arizona, USA
Jonathan M. Perry	Anthropology	Duke University	Investigation of the Anatomy of the Muscles of Mastication in Extant Strepsirhines and Reconstruction of these Muscles in Extinct Strepsirhines

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Christine A. Phillips-Krawczak	Anthropology	University of Kansas	Population History of the Garifuna of Saint Vincent Island and Central America
Joshua J. Picotte	Ecology	Portland State University	Responses of the parental and hybrid genotypes of the <i>Piriqueta caroliniana</i> complex to calcareous soil conditions
Gabriela I. Pirk	Ecology	Universidad de Buenos Aires	Effects of seed selection by harvester ants on seed abundance in the central Monte desert
Brian F. Platt	Paleontology/Sedimentation	University of Kansas	Integration of ichnology and sedimentology in interpreting alluvial deposits of the Upper Jurassic Morrison Formation, Big Horn Basin, Wyoming
Militsa J. Plavsic	Ecology	Cambridge University	Fire as a disturbance mechanism in small mammal communities of the Okavango Delta, Botswana
Maxi M. Polihronakis	Systematics/Evolutionary Biology	University of Connecticut	Investigating the evolution of male and female genitalic structures in Phyllophaga species (Coleoptera: Scarabaeidae) and their role in post-copulatory sexual selection
David A. Pulley	Ecology	Southwest Missouri State University	Evaluating the effects of fire frequency and intensity on nutrient availability in Ozark forests by monitoring soil respiration
Bethany J. Purdin	Petrology/Geochemistry	University of Georgia	Geochemical Evidence of Meteoric Diagenesis in Ordovician Limestones of the Nashville Dome, TN
Bozidar Purtic	Cell Biology/Biochemistry	University of Texas Southwestern Medical Center	THE ROLE OF THE IMMUNOLOGICAL SYNAPSE IN T CELL FUNCTION
Marisa M. Queen	Cell Biology/Biochemistry	Boise State University	Intraocular inflammation: Induction of epithelial cell-secreted proteases by neutrophil-derived Oncostatin M

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Gregory J. Ragland	Systematics/Evolutionary Biology	University of North Carolina at Chapel Hill	Thermal adaptation of the pitcher plant mosquito, <i>Wyeomyia smithii</i>
Yasmin J. Rahman	Paleontology/Sedimentation	University of California-Riverside	Responses of Marine Communities to Global Climate Change: Studying a Guild in Evolutionary Time
Regina D. Ralston	Cell Biology/Biochemistry	University of Louisville	Non-Apoptotic Caspase-3 Activation in Zebrafish Cone Photoreceptors
Erin E. Reardon	Ecology	University of Florida	Effects of Hypoxia on the Life History and Energetics of the African Cichlid <i>Pseudocrenilabrus multicolor</i>
Sadie K. Reed	Systematics/Evolutionary Biology	Kent State University	Request for Support for a Short Research Visit to the Australian Museum in Sydney
Matthew J. Reetz	Ecology	University of Florida	Expansion of the Brown-headed Cowbird (<i>Molothrus ater ater</i>) into Florida
Jason D. Reynolds	Ecology	Unity College	Morphological Changes in the Presence of Invasive Species
Mona Rezapour	Cell Biology/Biochemistry	University of California-Berkeley	Examining the Effect of Short-Term Treatment of Estrogen before Carcinogen Exposure
Michael E. Rieser	Tectonics/Geophysics	University of Minnesota Duluth	Deformation, metamorphism and tectonic history of 17 Ga orogenic events in Proterozoic gneisses of the Mojave Province, Providence Mountains, SE California
Amy A. Roberts	Ecology	Virginia Polytechnic Institute and State University	Habit Selection of the Eastern Fence Lizard, <i>Sceloporus undulatus</i> , in Southwestern Virginia
Vikki L. Rodgers	Ecology	Bowie State University	What determines the invasive success of <i>Alliaria petiolata</i> and <i>Hesperis matronalis</i> ?
Rodney Rodriguez	Ecology	University of Puerto Rico at Mayaguez	Butterflies of ôLa Tulaö watershed, Puerto Rico: Spatial heterogeneity and morphologic diversity

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Xanic J. Rondon	Ecology	Miami University Ohio	Assessing the sustainability of Strip Clear-Cutting in the Peruvian Amazon
Mark J. Rozmarynowycz	Cell Biology/Biochemistry	Lorain County Community College	Construction and Characterization of Synechocystis PCC 6803 mrgA and Phosphoglucomutase Bioreporters to be used to Detect Nutrient Availability in Natural Aquatic Environments
Teresa Sabato Ceraldi	Tectonics/Geophysics	Saint Louis University	Fluid migration in and across fault zones with footwall shales and hanging wall carbonates in Sawtooth Range of the Rocky Mountains, northwest Montana
Jameal F. Samhouri	Ecology	University of California-Los Angeles	The interaction of selective mortality, density dependence, and habitat quality in coral reef fish population dynamics
Thomas J. Sanger	Systematics/Evolutionary Biology	Washington University in St. Louis	The developmental bases of Anolis limb evolution
Sara L. Sarkey	Cell Biology/Biochemistry	Loyola University Chicago	Extranuclear Androgen Receptors in Axons of the Adult Rat Brain
Michael J. Savin	Ecology	University of Illinois at Urbana-Champaign	Influence of Microbial Activity on Travertine Mineralization: Abiotic vs Biotic Controls on Carbonate Precipitation
Justin T. Schaefer	Physiology/Functional Morphology	University of California-Irvine	Functional analysis of variable skeletal morphology in batoid (elasmobranchii) wings
Chris A. Schmidt	Systematics/Evolutionary Biology	University of Arizona	Phylogenetics and Phylogeography of Ponerine Ants
Christian M. Schrader	Petrology/Geochemistry	University of Georgia	Experimental Determination of Source Material and P-T-a(H ₂ O) Melting

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Katherine L. Schroer	Hydrology/Geomorphology	University of Georgia	Tracer study to determine biogeochemical controls on the fate of nitrate along a ground-water to surface-water flow path
Michele R. Schutzenhofer	Ecology	Saint Louis University	Relative fitness of two sympatric congeneric <i>Plantago</i> species: a test of the enemy release hypothesis
Laura A. Sederstrom	Hydrology/Geomorphology	University of Alaska Anchorage	Geomorphology and formation of Crescent Lake valley, Kenai Peninsula, Alaska
Michal Segoli	Behavioral Ecology	Ben-Gurion University of the Negev	A risky mating: constraints on male reproductive success in a widow spider
Stanley Serafin	Anthropology	Tulane University	Violence and Site Abandonment: Bioarchaeological Investigation of the Collapse of Mayapan
Laura R. Sharkey	Behavioral Ecology	University of Hawaii at Manoa	The Role of the Auditory System in the Recruitment of Larval Reef Fish
Tanya C. Shavalia	Petrology/Geochemistry	University of Michigan-Ann Arbor	Radiogenic Isotope Variations in an Active Subduction Setting (St Lucia, WI) ù Implications for Magma Petrogenesis
Katherine A. Shaw	Behavioral Ecology	Clark University	The evolution of phenotypically-plastic behavioral syndromes in the threespine stickleback adaptive radiation
Nicole R. Shelnut	Anthropology	University of South Florida	Isotopic Analysis of Mummies from Northwestern Argentina
Andrew O. Shelton	Ecology	University of Chicago	Linking bottom-up forces to variation in life history success: the impact of herring spawn on intertidal and shallow subtidal kelp communities in Alaska

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Sara K. Simon	Anthropology	University of North Carolina at Chapel Hill	The Effect of Socio-political Changes on Human Skeletal Remains from the Transitional Period (AD 800-950) in the Jequetepeque-Chaman region, Peru
Christin T. Slaughter	Systematics/Evolutionary Biology	University of North Carolina at Wilmington	The role of gametic incompatibility in the maintenance of species boundaries between hybridizing blue mussels
Angela M. Smilanich	Ecology	Tulane University	How do pesticides in Costa Rican banana plantations affect biological control of caterpillars?
Christian P. Soucier	Behavioral Ecology	City University of New York-Brooklyn College	A potential mechanism for detecting water-born vibrations in the Chambered Nautilus
Kevin M. Spigel	Hydrology/Geomorphology	University of Wisconsin-Madison	Erosion and Sedimentation History of Emrick Lake, South-Central Wisconsin, in Response to Holocene Environmental Change
Laura H. Spinney	Physiology/Functional Morphology	Princeton University	Endocrine Mechanisms of Alternative Phenotypes in the White-throated Sparrow (<i>Zonotrichia albicollis</i>)
Scott E. Stavelly	Ecology	Lee University	Population status of eastern hellbenders <i>Cryptobranchus alleganiensis</i> in the southern Cherokee National Forest
Charles T. Stayton	Physiology/Functional Morphology	University of Chicago	Functional and morphological convergence of herbivorous lizard skulls
Janette A. Steets	Ecology	University of Pittsburgh	The Effect of Vegetative Herbivory on the Mating System of <i>Impatiens Capensis</i>
Eliana R. Steinberg	Systematics/Evolutionary Biology	Universidad de Buenos Aires	Cytogenetic characterization of <i>Saimiri boliviensis</i> from the Corrientes Biological Station (EBCo) in Argentina
Dustin B. Stephens	Anthropology	University of California-Berkeley	Evolutionary Origins of Human Ethanol Intake in Primate Frugivory?

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Laura K. Stroik	Anthropology	Arizona State University	Patterns of dimorphism and allometry of the hominoid forelimb and the relationship of phylogeny, allometry, and function with interspecific pattern similarity
Peter C. Sugarman	Psychology	University of Southern Mississippi	Acoustic Discrimination in Dolphins (<i>Tursiops truncatus</i>)
Shantha R. Sumanasinghe	Physiology/Functional Morphology	North Carolina State University	Can nematodes cause the same ion flux changes around root hairs of <i>Lotus japonicus</i> as those caused by nodule-inducing bacteria?
Brittany L. Sutherland	Systematics/Evolutionary Biology	Western Kentucky University	Determination of Evolutionary Relationships of Himalayan <i>Rubus</i> (Rosaceae) species based on DNA sequence data
Timothy D. Swain	Systematics/Evolutionary Biology	Florida State University	Evolution of symbiosis in zoanths
Andrea Swei	Ecology	University of California-Berkeley	Impacts of an introduced plant pathogen on the ecology of a human disease
Benjamin R. Tanner	Ecology	University of Tennessee-Knoxville	C3/C4 Variations in Higher Salt Marsh Sediments: An Application of
Ellen K. Ter Haar	Behavioral Ecology	Central Michigan University	Predation and Nesting Activity of the Painted Turtle (<i>Chrysemys picta</i>) on Beaver Island, Michigan
Jessica J. Terrien	Petrology/Geochemistry	Syracuse University	Quantifying the Potential Role of the Mantle in Magma Generation in the Catalina Metamorphic Core Complex, Arizona
Brian J. Thompson	Ecology	University of Central Florida	Intra-nest temperature regimes and hatchling ecology of the green turtle (<i>Chelonia mydas</i>): Determining hatchling sex ratio, hatching to emergence interval, and factors affecting emergence
Erin C. Tolhurst	Cell Biology/Biochemistry	University of California-Santa Barbara	The Role of Thrombospondin-4 in Retinal Development

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John A. Towns	Petrology/Geochemistry	University of Alabama at Tuscaloosa	Volcanoes and glaciers: dating of glaciovolcanic eruptions and Holocene-Pleistocene ice-sheet distributions, southwestern British Columbia, Canada
Lisa M. Tranel	Tectonics/Geophysics	University of Illinois at Urbana-Champaign	Development of a Digital Model of the Surface and Subsurface Shape of the
Javier d. Trillo	Behavioral Ecology	University of Memphis	Male meadow voles adjust their sperm investment in response to a risk of sperm competition
Paula A. Trillo	Behavioral Ecology	University of Montana	Longterm Consequences of Brood Amalgamation in the Tortoise Beetle <i>Acromis sparsa</i> (Coleoptera: Chrysomelidae)
Dana M. Troullier	Psychology	University of Wisconsin-Milwaukee	Epilepsy as a model for angiogenesis: The effects of short-duration seizure induction on vasculature in rodents
Julie L. Turt	Ecology	Eckerd College	Relative flood tolerance of a <i>Spartina</i> native and invasive hybrid in San Francisco Bay
Jamie L. Uejima	Psychology	Carleton College	The Effects of Cholecystokinin-8S on Memory in Female Rats
Maria L. Urso	Physiology/Functional Morphology	University of Massachusetts Amherst	Early changes in gene expression with immobilization
Swapnil V. Vaidya	Cell Biology/Biochemistry	University of North Texas	Identification of a Novel Tumor Associated Ligand for the Natural Killer Cell Receptor 2B4
Mariana M. Vale	Ecology	Duke University	Remaining habitat for Two Threatened Birds endemic to Northern Amazon
Karen M. Vanaman	Hydrology/Geomorphology	Northern Arizona University	Analysis of alluvial flood deposits, Newberry Volcano, central Oregon

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James M. VanderVeen	Anthropology	Indiana University - Bloomington	Subsistence Patterns as Markers of Cultural Exchange: Spanish and Taʔno Interactions at La Isabela
Dana L. VanHaitsma	Ecology	Grand Valley State University	Selective predation by yellow perch: are round gobies equal to native prey?
Judith F. Vazquez	Petrology/Geochemistry	University of Houston- Downtown	Geochemical Comparison Between Geophagous and Non-Geophagous Clays
Adriana J. Veloza	Ecology	College of William and Mary	Trophic Upgrading in Marine Food Webs
Maria N. Vergara	Cell Biology/Biochemistry	Miami University Ohio	Retina regeneration and the role of FGFs
Indre V. Viskontas	Psychology	University of California-Los Angeles	Mapping Declarative Memory Changes in the Brain
Nicholas K. Wadsworth	Cell Biology/Biochemistry	Idaho State University	Discovery, characterization, and specificity of antimicrobial activities found in burying beetle (Nicrophorus) secretions
John D. Wagner	Anthropology	University of New Mexico	Essential fatty acids and development in Ecuadorian children
Amanda J. Waite	Paleontology/Sedimentation	University of Delaware	An evaluation of coccolith Sr/Ca measures of paleoproductivity: comparison to Pliocene- Miocene benthic foram records from Atlantic ODP sites 925 and 982
Michael D. Wall	Behavioral Ecology	University of Sydney	The effect of foraging mode on snake ecology and evolution: evidence from an Australian legless lizard (<i>Lialis burtonis</i>)
Jennifer M. Wang	Behavioral Ecology	University of California- Berkeley	Does Microbial Penetration Affect Hatching Success in Temperate Passerine Birds?

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Matthew S. Wasson	Paleontology/Sedimentation	University of Michigan-Ann Arbor	Reconstructing the Depositional and Diagenetic Settings of Late Pennsylvanian Algal Bioherms, Holder Formation, New Mexico
Tammy Y. Watkins	Anthropology	University of Georgia	The Agricultural Landscapes of the Maya in Northwestern Belize
Kerry L. Weber	Physiology/Functional Morphology	University of New England	Effect of seasonal temperature change and acclimation on prey size selection and energetic cost of attack of <i>Asterias vulgaris</i>
Vicki L. Wedel	Anthropology	University of California-Santa Cruz	Biological Effects of Slavery and Emancipation on Historical African Americans
Suxiang Wei	Engineering	University of Mississippi	Synthesis and Characterization of Polymer Nanofibers Produced by Emulsion Polymerization in Cylindrical Micelles
Andrew A. West	Physics/Astronomy	University of Washington	HI Properties of Optically Selected Galaxies in SDSS and HIPASS
Mark A. Westbrook	Behavioral Ecology	Wake Forest University	Adaptive sex allocation in the Nazca booby (<i>Sula granti</i>)
Zachary R. Whitehead	Physiology/Functional Morphology	University of Missouri-Columbia	The Use of Embryonic Stem Cells in a Mouse Model of Retinal Degeneration
Tina K. Whitney	Psychology	University of Wisconsin-Madison	The Role of Progesterone in Mammalian Paternal Behavior
Joshua R. Whorley	Systematics/Evolutionary Biology	University of Washington	Reproductive ecology of Antelope ground squirrels at their northern range limit
Norman J. Wickett	Systematics/Evolutionary Biology	University of Connecticut	Genome evolution under relaxed functional constraints: an example from the non-photosynthetic liverwort, <i>Cryptothallus mirabilis</i> (Jungermanniopsida, Aneuraceae)

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William T. Wilcox	Tectonics/Geophysics	Miami University Ohio	Sequence Stratigraphy of the Curtis, Summerville and Stump Formations (Late Callovian-Oxfordian), Utah and Colorado
Kimberly D. Williams	Anthropology	Ohio State University	A Geospatial Bioarchaeological Perspective on Behavior, Activity Patterns, and Lifestyle in the Eastern Woodlands of North America
Holly N. Woodward	Paleontology/Sedimentation	Texas Tech University	Bone Histology of the Titanosaurid Sauropod Dinosaur Alamosaurus from the Javelina Formation, Big Bend National Park
Christopher M. Wurster	Petrology/Geochemistry	University of Saskatchewan	Stable carbon isotopes in Mexican free-tailed bat guano as a record of semi-arid climate variability over the late Pleistocene and Holocene
Laura A. Wysocki	Petrology/Geochemistry	Tulane University	Sources of organic carbon to the Louisiana shelf: spatial and benthic-coupling dynamics
Chiyat B. Yau	Physics/Astronomy	University of Cincinnati	Defect depth-profiling in ferroelectric Bi ₄ Ti ₃ O ₁₂ and Bi _{4-x} LaxTi ₃ O ₁₂ thin films by positron annihilation
Christopher R. Yeisley	Chemistry	Saint Francis University	Electrochemistry of a Model Compound of Hydroxylamino oxidoreductase
Alyson G. Young	Anthropology	Ohio State University	Rethinking the role of infant development in health outcomes among the Datoga of Tanzania
Elsa K. Youngsteadt	Behavioral Ecology	North Carolina State University	Behavioral and chemical ecology of Neotropical ant-gardens
Dale A. Zaborowski	Behavioral Ecology	State University of West Georgia	Training Bobwhite to Increase Predator Recognition and Reaction Time

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Xiangrong Zhao	Cell Biology/Biochemistry	University of California-Berkeley	Test of relationship between polymorphisms in the glucocorticoid response element sequence in the proviral promoter of bovine leukemia virus and parity protection against human breast cancer
Liming Zhu	Paleontology/Sedimentation	Indiana University - Bloomington	Study on the Extinction Pattern of Late Cretaceous Corals from the Rio Maton and Cotui Formations, Puerto Rico