

Grants-in-Aid of Research Awards
March 15, 2007 Grant Cycle

Alphabetical by Subject

Ken Batai	Anthropology	University of Illinois at Chicago	Is the mitochondrial haplogroup B a thrifty genotype?
Mackenzie L. Bergstrom	Anthropology	University of Calgary	Dominance in white-faced capuchins (<i>Cebus capucinus</i>): Assessment of hierarchical linearity, strength, and dominance style.
Marina B. Blanco	Anthropology	University of Massachusetts Amherst	Survey of nocturnal lemurs (<i>Cheirogaleus</i> spp.) in the continuous and fragmented forests of Tsinjoarivo, eastern Madagascar.
Daniel A. Burland	Anthropology	University of Massachusetts Amherst	ôl wasn't even anywhere: Militarism, Activism, and Veteran-ism
Jeffrey P. Du Vernay	Anthropology	University of South Florida	Investigating Culture Change among Late Prehistoric Indians in the Apalachicola River Valley of Northwest Florida: The Place of Lamar Ceramics in the Fort Walton Sequence
Krista L. Garcia	Anthropology	University of Alabama at Tuscaloosa	Changing Maya Economic Practices: Ceramic Production and Standardization during the Late Classic at Chan, Belize
Nicole L. Griffin	Anthropology	George Washington University	Hominid Forefoot Kinematics, Kinetics, and Trabecular Bone Architecture
James J. Hurlburt	Anthropology	University of Georgia	An Ecology of Pain: Early Adverse Experiences, Cultural Meanings and the Development of Chronic Pain
Theresa M. Hyland	Anthropology	University of Massachusetts Amherst	The Green Fields of (Post-Colonial) Ireland: Language, Immigration, and the 'Celtic Tiger'.
Edward A. Jolie	Anthropology	University of New Mexico	Learning Networks and Social Diversity in the Chaco System, A.D. 850-1140: An Analysis of Basketry Technology

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Tiziana Matarazzo	Anthropology	University of Connecticut	Micromorphological Identification of Human Activity areas at the Italian Early Bronze Age site, T.A.V. Afragola
Michael T. O'Mara	Anthropology	Arizona State University	The influence of habitat quality, feeding competition and stress on the development of sex differences in the feeding ecology of ring-tailed lemurs (<i>Lemur catta</i>)
Roberta Salmi	Anthropology	State University of New York at Stony Brook	Description and Function of Close Calls in Western Gorillas (<i>Gorilla gorilla</i>), Republic of Congo
Sargent J. Shriver	Anthropology	University of Alaska Fairbanks	Cross-cultural work on moral judgments: Moral intuitions of the Nunamuit Eskimo
Lindsey W. Smith	Anthropology	The Graduate Center, The City University of New York	Gestural Communication in the African Apes
Carrie C. Veilleux	Anthropology	University of Texas at Austin	Ecological Correlates of Selection on the S-Opsin Gene in Primates: Implications for the Evolution of Color Visio
James R. Veteto	Anthropology	University of Georgia	Cultural versus Utilitarian Saliency in the Persistence of Folk Crop Varieties in an Immigrant Southern Appalachian population of Yecora, Mexico
Margarite J. Whitten	Anthropology	University of Massachusetts Amherst	Reformed Women: Reproductive Policy in Post-Regime Portugal and the Abortion Debat
Jennifer M. Zovar	Anthropology	Vanderbilt University	Community and Identity in the Andean Late Prehispanic Period: Ceramic Analysis at the Pukara de Khonkho, Bolivia
Evan R. Ball	Behavioral Ecology	Drake University	Effects of sub chronic, pharmacological administration of genistein on spatial learning and memory in rats

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Alison M. Behie	Behavioral Ecology	University of Calgary	The interaction of Nutrition, Stress levels and Parasite Load in Determining Black Howler Monkey Population Density in Monkey River, Belize
Ashley L. Bowers	Behavioral Ecology	University of Nebraska at Lincoln	Effects of Ultraviolet-B Radiation on Platyfish, <i>Xiphophorus maculatus</i> Fitness
Sarah D. Carnegie	Behavioral Ecology	University of Calgary	Reproductive strategies in white-faced capuchins: ovarian cycles, seasonality and concealed ovulation
Sharon J. Coe	Behavioral Ecology	University of California-Riverside	Investment in incubation by female songbirds: does male behavior compensate for the effects of ambient temperature?
Aron K. Costello	Behavioral Ecology	Miami University Ohio	Effect of Female Social Status on Male Preference and Reproductive Success
Kristen M. Covino	Behavioral Ecology	University of Maine, Orono	The Influence of Energetic Condition on Directional Decisions of Nocturnal Migrant Songbirds
Jessica L. Cuthbert	Behavioral Ecology	University of Windsor	Ornamentation and mutual sexual selection in a Neotropical passerine bird
Natalie R. Doerr	Behavioral Ecology	University of California-Santa Barbara	Do male great bowerbirds, <i>Chlamydera nuchalis</i> , minimize the costs associated with acquiring bower decorations by re-using decorations acquired in previous breeding seasons?
Quinn C. Emmering	Behavioral Ecology	Texas Tech University	Do songbirds assess nest-predation risk using auditory cues of predators: an experimental manipulation of chipmunk vocalizations
Amanda S. Izzo	Behavioral Ecology	University of Michigan-Ann Arbor	Hormonal Control of Chemical Communication in a Paper Wasp, <i>Polistes dominulus</i>

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Ashley M. Johnson	Behavioral Ecology	University of Illinois at Urbana-Champaign	Inbreeding avoidance in a natural population of the guppy <i>Peocilia reticulata</i>
Cassandra M. Martin	Behavioral Ecology	University of Nebraska at Lincoln	Association Costs in the Female Variable Field Cricket, <i>Gryllus lineaticeps</i>
Emily C. McConnelly	Behavioral Ecology	Hope College	Hormonal and Environmental Differences Associated with Aggressive Nestbox Defense and Reproductive Success in the Eastern Bluebird (<i>Sialia sialis</i>)
Christopher J. Meehan	Behavioral Ecology	Villanova University	Parasitism of an ant-acacia mutualism by an herbivorous jumping spider.
Bret S. Pasch	Behavioral Ecology	University of Florida	Songs, sex, and elevation: High altitude relaxation of sexual selection in singing mice songs?
Kimberly A. Pollard	Behavioral Ecology	University of California-Los Angeles	The evolution of group size and individual distinctiveness
Clare C. Rittschof	Behavioral Ecology	University of Florida	Does group size affect male reproductive success in the golden orb spider?
Jose W. Santos	Behavioral Ecology	University of California-Berkeley	Ecology of sociality in rodents: the role of food reevaluated
Cybil N. Smith	Behavioral Ecology	Oklahoma State University	Mate guarding and territoriality in the North American skinks <i>Plestiodon obsoletus</i> , <i>Plestiodon obtusirostris</i> , and <i>Scincella lateralis</i>
Rachel S. Sprague	Behavioral Ecology	University of Montana	The Stress Physiology of Reproductive Decisions
Lisa M. Ambrose-Lanci	Cell Biology/Biochemistry	Thomas Jefferson University	The influence of delta-opioid receptor function on anxiety in female rats during cocaine withdrawal
Alexandra E. Baluka	Cell Biology/Biochemistry	Eastern Illinois University	Evaluation of the Oxalate-Consuming Activities of Probiotic Microorganisms
Sydella Blatch	Cell Biology/Biochemistry	Arizona State University	Fruit Flies Lacking Dietary Folic Acid Grow Faster, So What About their DNA?

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Josephine R. Giles	Cell Biology/Biochemistry	Mount Holyoke College	Characterization of the Role of Dendritic Cells in Murine AIDS
Christian Gutierrez	Cell Biology/Biochemistry	Miami University Ohio	Dissecting Transdifferentiation, the Key for Eye Tissue Repair and Regeneration
Angela M. Hakenewerth	Cell Biology/Biochemistry	Saint Louis University	Development of light-induced dopamine signaling in mouse retina
Kelly A. Hogan	Cell Biology/Biochemistry	Pennsylvania State University	Identifying a role for TGF- β 1 in induction of the NF κ B pathway by ultraviolet radiation (UVR) in primary keratinocytes
Elizabeth M. Lehman	Cell Biology/Biochemistry	University of Michigan-Ann Arbor	Risk factors for Hepatocellular Carcinoma in Egypt: A molecular and spatial approach
Andrew T. Lucas	Cell Biology/Biochemistry	Virginia Polytechnic Institute and State University	Studies on structural transitions-mediated circadian transcription factor function
Adam D. Miller	Cell Biology/Biochemistry	Appalachian State University	Differential Gene Expression Due to Photoperiodic Response in <i>Scytosiphon lomentari</i>
Somshuvra Mukhopadhyay	Cell Biology/Biochemistry	New York Medical College	NO-mediated block of SNARE-disassembly in pulmonary arterial hypertension.
Lisa M. Pang	Cell Biology/Biochemistry	Duke University	The microtubule-severing process and its role in neural development
Karen D. Perry	Cell Biology/Biochemistry	Louisiana State University-Baton Rouge	Expression of stress-inducible proteins in early life stages of 2 bivalves following pesticide exposure
Julie M. Reeves	Cell Biology/Biochemistry	University of Central Missouri	Effect of bacterial cell density on virulence in a strain of <i>Listeria monocytogenes</i>
Yingjia Shen	Cell Biology/Biochemistry	Miami University Ohio	Large Scale Confirmation of Plant Poly(A) Signals Compiled through Bioinformatic Approach

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Brenda C. Shields	Cell Biology/Biochemistry	Villanova University	Adaptive response of Japanese Quail (<i>Coturnix coturnix japonica</i>) to cold-acclimation: localization of avian UCP in skeletal muscle mitochondria
Daniel J. Wright	Cell Biology/Biochemistry	Saint Louis University	Nearest Neighbor Parameters for Inosine-Cytosine Pairs Located Within Watson-Crick Helices
Josiah P. Zayner	Cell Biology/Biochemistry	Appalachian State University	Regulation of <i>Vibrio cholerae</i> biofilm by NspS and MbaA
Joy Zhang	Cell Biology/Biochemistry	Stanford University	Phenotypic Analysis of Muscle Stem Cell Fate
Zoe H. Davis	Chemistry	Scripps College	Investigation of Particulate Air Pollutants on the <i>Schizosaccharomyces Pombe</i> Cell Cycle
Andrew J. Hoover	Chemistry	University of Illinois at Urbana-Champaign	In vitro selection of deoxyribozymes with substrate-general RNA ligase activity
Debra M. Joseph	Chemistry	SUNY College of Environmental Science and Forestry	Ecotoxicological Exposure Assessment of Frogs to Endocrine Disruptor
Shengqian Ma	Chemistry	Miami University Ohio	Investigation of Hydrogen Adsorption in Porous Metal-Organic Frameworks with Heterometal Centers by Inelastic Neutron Scattering
Anne M. Ruminski	Chemistry	University of California-San Diego	Porous silicon photonic nanostructures containing pore diameter and surface chemistry gradients as microsensors for environmental toxicants and pollutants
Arun Mahendra	Computer Science/Mathematics	Tarleton State University	A behavior-based approach to piloting autonomous mobile robots
Melissa E. Cuke	Conservation Biology	University of British Columbia	Effects of land use changes on the structure and functioning of tropical decomposer food webs

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Joselyd Garcia	Conservation Biology	University of Puerto Rico at Mayaguez	Genetic variation in <i>Acropora palmata</i> and <i>Acropora cervicornis</i> in Puerto Rico
Jerry Guo	Conservation Biology	Yale University	Genetic diversity of a possibly endangered Malagasy gecko species, <i>Lygodactylus mirabilis</i>
Bobby H. Hsu	Conservation Biology	University of Hawaii at Hilo	Transfer of maternal antibodies in Hawaii 'amakihi
Kathryn A. Quillin	Conservation Biology	Appalachian State University	Chicken Litter Runoff in High Quality Headwater Streams: An Investigation of Endocrine Disruption and Heavy Metal Toxicity
Anthony R. Rafferty	Conservation Biology	Duke University	Development of a baseline of catch and bycatch data for the fixed gear sector fleet in Georges Bank, Cape Cod
Christopher Sheridan	Conservation Biology	University of Newcastle upon Tyne	Parrotfish corallivory as a means of coral diseases transmission - Evaluation by comparison of bacterial populations
Molly A. Timmers	Conservation Biology	University of Hawaii at Hilo	Gene Flow and connectivity of the crown-of-thorns starfish, <i>Acanthaster planci</i> , in the central Pacific
Leita Tszanz	Conservation Biology	University of Newcastle upon Tyne	Biogeographic variation of zooxanthellae in selected scleractinian corals from the West India Ocean.
Jessica L. Abbate	Ecology	University of Virginia	The determinants of pathogen distribution in natural populations: Anther smut on <i>Silene vulgaris</i> across an elevational gradient
BriAnne A. Addison	Ecology	University of Missouri-St. Louis	Ecology and evolution of maternal antibody allocation in <i>Turdus grayi</i>

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Javan M. Bauder	Ecology	Idaho State University	The effects of topography, fire disturbance, and prey availability on the movements and habitat selection of prairie rattlesnakes in a mountainous landscape in central Idaho
Maria del Mar Beaumont Fantozzi	Ecology	Universidad de Buenos Aires	Diversity and habitat associations of seed-carrying ant assemblages in the Monte desert
Laura A. Bedinger	Ecology	University of South Florida	What lies beneath: structure and ecosystem function of rhizophytic algal holdfasts in soft bottom habitats
Eric A. Bless	Ecology	University of North Dakota	The effects of <i>Centrovarium lobotes metacercariae</i> on the bioenergetics of stream fishes
Luca Borghesio	Ecology	University of Illinois at Chicago	Habitat disturbance and the maintenance of bird species diversity in East African montane forests
Emily M. Broderick	Ecology	American University	Environmental and pathogenic effects on bacterial diversity in surface mucus layer of the Caribbean seafan <i>Gorgonia ventalina</i> .
David J. Cerasale	Ecology	Cornell University	Leptin in migratory birds: a field validation
Yigen Chen	Ecology	University of Georgia	Can Plants Set Security Levels? Direct and Indirect Plant Defensive Responses to Gradations and Spatial Distribution of Herbivory
Michael F. Chislock	Ecology	Clarion University of Pennsylvania	Anthropogenic Eutrophication Constrains the Ability of Freshwater Animals to Detect Predators
Samantha E. Colayori	Ecology	Indiana State University	Anatomy and infrared detection ability of the facial pits of North American pit vipers.

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Susan C. Cook	Ecology	Cornell University	Phenotypic plasticity and plant invasions: a comparative study of native and exotic congener
Erin E. Cooper	Ecology	University of Oregon	Population Structure and Dispersal of the Intertidal Gastropod <i>Tegula funebris</i>
Sarah J. Crane	Ecology	Virginia Commonwealth University	Non-lethal Effects of Predators and Competition on Growth Efficiency
Kristen M. DeVanna	Ecology	University of Toledo	Burrowing mayfly habitat choice: Effects on fish foraging
Tara Duffy	Ecology	State University of New York at Stony Brook	Proximate mechanisms for growth and sex determination in a marine fish with application to local adaptation and fishery induced selection
Humberto d. Dutra	Ecology	University of Missouri-St. Louis	Impact of an invasive shrub, <i>Lonicera maackii</i> (Caprifoliaceae), on biodiversity through biotic interactions
Arietta E. Fleming-Davies	Ecology	Duke University	Can indirect interactions arise from sharing mutualists? Detecting competition or facilitation for mutualist ants among plants with extrafloral nectaries
Jessica Forrest	Ecology	University of Toronto	Causes and correlates of bee emergence in subalpine habitats
Margaret L. Gaddis	Ecology	University of Denver	Soil chemistry before and after Russian olive removal: understanding restoration implications.
Vinita Gowda	Ecology	George Washington University	A Population genetics approach to understand sex-specific adaptation in the Caribbean <i>Heliconia</i> -hummingbird system
Mark A. Grippo	Ecology	Louisiana State University-Baton Rouge	Investigation of food webs on unique shoals located off coastal Louisiana

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Robert W. Heckman	Ecology	University of Virginia	The Effects of Biodiversity and Nutrient Pulses on the Invasibility of Tallgrass Prairie by a Non-native Forb in Virginia
Michelle H. Hersh	Ecology	Duke University	The role of seedling pathogens in temperate forest recruitment
Brendan P. Hodkinson	Ecology	Duke University	Lichen-associated bacterial diversity in the American tropics
Danica E. Hogan	Ecology	Trent University	A Comparison of the Invertebrate Communities of Two Adjacent Central Arctic Lakes of Different Depths in Relation to Waterfowl Movements
Leah A. James	Ecology	Queens University	Effect of the invasive predator, <i>Bythotrephes longimanus</i> on growth of fishes in Ontario lakes.
Benjamin J. Koch	Ecology	University of Wyoming	Consumptive and non-consumptive interaction strength estimates derived from population energetics: Impacts of brook trout on prey productivity
Mark R. Lesser	Ecology	University of Wyoming	Dynamics of tree colonization: spatial and temporal patterns of ponderosa pine expansion
Lauren S. MacDade	Ecology	Ohio State University	Contribution of Emergent Aquatic Insects to Diet and Consequences for Refueling in Spring Migrant Landbirds
Kerry E. Mauck	Ecology	Pennsylvania State University	A study of the effects of cucumber mosaic virus infection on host plant chemistry and vector behavior.
Heather G. McGray	Ecology	University of California-Irvine	Does genetic diversity facilitate exotic plant invasions?: interactions between ecological and evolutionary mechanism

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Rodrigo J. Mercader	Ecology	Michigan State University	Climate change induced diversification in host plant associations in a butterfly lineage through the increased hybridization of two generalist butterflies.
Rochelle K. Mothokakobo	Ecology	San Diego State University	Determining the role of biotic and abiotic factors in the production of phlorotannins in the brown macroalgae <i>Macrocystis pyrifera</i>
Melanie A. Murphy	Ecology	Washington State University	Limits to species' distribution and persistence: A landscape genetics study of sympatric amphibians in Yellowstone National Park
Punya Nachappa	Ecology	Kansas State University	Testing for Potential Crosstalk between the Salicylate and Jasmonate Signaling Pathways and its Effects on Trophic-level Interactions.
Shannon L. Pelini	Ecology	University of Notre Dame	Can specialist species move ahead? The role of transition zones in host plants for a specialist butterfly species
Michael A. Plenzler	Ecology	Bowling Green State University	Management effects on the recruitment and establishment of <i>Lupinus perennis</i> (L.).
Leeanna T. Pletcher	Ecology	Virginia Commonwealth University	The 'ecology of fear': Colonization and aquatic subsidies
Tami S. Ransom	Ecology	University of Virginia	Differential Effects of Introduced and Native Earthworms on the Forest Floor Faunal Community
John W. Recha	Ecology	Cornell University	Nutrient sustainability along a soil degradation gradient on a watershed scale in smallholder agriculture

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Jennifer A. Ress	Ecology	Bowling Green State University	Influence of Moisture on Wetwall Algal Community Composition and Structure: Field Moisture Manipulations and Natural Habitat Surveys
Luciana Riccialdelli	Ecology	Universidad Nacional de La Plata	TROPHIC ECOLOGY OF SUBANTARCTIC CETACEANS USING CONVENTIONAL AND ISOTOPIC TECHNIQUES
Roberto Salguero-Gomez	Ecology	University of Pennsylvania	Climate change and demographic effects of off-growing season precipitation on herbaceous perennial "Cryptantha flava" L. (Boraginaceae).
Jason M. Schmidt	Ecology	Miami University Ohio	An analysis of seasonal and habitat specific Diptera feeding patterns in wolf spiders
Kimberly S. Sheldon	Ecology	University of Washington	Seasonality, thermal tolerance, and range size: understanding the distribution of tropical and temperate species across altitudinal gradients
Chad C. Smith	Ecology	University of Texas at Austin	Sperm quantity, quality, and fertilization success of alternative male mating strategies in the swordtail fish <i>Xiphophorus nigrensis</i>
Stephanie M. Strudley	Ecology	University of Denver	Tamarix spp. control effects on the terrestrial arthropods trophic cascade
Cynthia J. Tant	Ecology	University of Georgia	Nutrient Enrichment Effects on Detrital Resources: Linkages between Coarse and Fine Particulate Matter
Larissa H. Unruh	Ecology	University of Oregon	Direct virus competition in a common native perennial grass
Joshua P. White	Ecology	Boise State University	The importance of harvester ant seed predation on slickspot peppergrass reproduction

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Jennifer L. Williams	Ecology	University of Montana	Understanding invasive plant success with experiments in the native and introduced ranges
Sandra W. Woolfolk	Ecology	Mississippi State University	Fungi and bacteria associated with red imported fire ants and mounds in Mississippi, and their potential use as biological control agents.
Sarah D. Wright	Ecology	University of Wisconsin-Madison	Examining ecotypic variation in climate tolerance traits of <i>Lupinus perennis</i> , hostplant of the endangered Karner Blue Butterfly
Asako M. Yamamuro	Ecology	Oregon State University	Forecasting the effects of dam-induced flow changes on stream-dwelling organisms
Russell A. Cox	Engineering	Marquette University	Experimental Validation of Generalized Formulas for the Characteristics of Dynamically-Driven Polymer-Coated Microcantilever Chemical Sensors in a Viscous Liquid Medium
Laura B. Dong	Engineering	North Carolina State University	Determination of Block Copolymer Sequence Length Distributions by the Measurement of Electro-optical Kerr Constants
Kendra K. Fitzwater	Engineering	Ball State University	Assessment of Environmental and Public Health Hazards of Electronic Waste
Justin W. Jaworski	Engineering	Duke University	Construction of Experimental Wing Model for Nonlinear Aeroelasticity Studies
Weiguo Li	Engineering	University of Illinois at Chicago	New possible marker for evaluating the tissue-engineered cartilage
Margaret E. Orders	Engineering	Virginia Polytechnic Institute and State University	Fate of Omega-3 Fatty Acids in Processed Dairy Products

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Parth N. Shah	Engineering	University of Akron	Development of Electrospun films type drug delivery devices using blends of novel L-tyrosine based polyurethanes and polyphosphates
Jason R. Tavares	Engineering	McGill University	Synthesis of a stabilized copper-ethylene glycol nanofluid for use as an enhanced heat transfer fluid
Jennifer L. Abrahamson	Hydrology/Geomorphology	Iowa State University	Hydrogeological and Geophysical Investigation of the Upper Bear Creek Watershed
Felisha L. Cullins	Hydrology/Geomorphology	Texas A&M University-Corpus Christi	Assessment of Historical Transport of Radionuclides from Abandoned Uranium Mines to Watershed
Vanessa M. Druke	Hydrology/Geomorphology	Illinois State University	The Impact of Streambed Sediment Size on Hyporheic Temperature Profiles in a Low Gradient Third-order Agricultural Stream
Drew B. Gower	Hydrology/Geomorphology	University of Wisconsin-Madison	Seepage quantification and modeling of reservoir contribution to groundwater levels in the NariarIØ basin of Burkina Faso
Jason D. Gulley	Hydrology/Geomorphology	University of Florida	Evaluation of glacier stress regime controls on englacial conduit routing: a dynamic, plastic karst aquifer approach to glacier hydrology.
Markella D. Hoffman	Hydrology/Geomorphology	University of Kansas	Incision and exhumation history of the Colorado Plateau in the Canyonlands to Book Cliffs region, Utah
Sarah E. Kopczynski	Hydrology/Geomorphology	Lehigh University	Potential sediment flux consequences of glacial-to-interglacial ice dynamics of the Upper Cook Inlet, Alaska
Ellen M. McGuiness	Hydrology/Geomorphology	Furman University	Isotopic analysis of nitrates in urban watersheds

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Rachel Pirot	Hydrology/Geomorphology	Portland State University	Debris Flow Hazard Mapping, Mt. Hood, Oregon
Rob A. Venczel	Hydrology/Geomorphology	Southern Illinois University-Carbondale	Historical Trends in Flow Dynamics and Flood Magnification, Tisza River, Hungary
Nicholas L. Balascio	Paleontology/Sedimentation	University of Massachusetts Amherst	Holocene tsunami deposits in coastal lakes of the Lofoten Islands, northwestern Norway
Larisa R. DeSantis	Paleontology/Sedimentation	University of Florida	Paleoecological dynamics of mammalian communities under glacial and interglacial conditions in Florida, USA
Andrew A. Farke	Paleontology/Sedimentation	State University of New York at Stony Brook	Vertebrate Paleontological Exploration in the Upper Cretaceous of the Ambilobe (Diego) Basin, Northern Madagascar
Jeremy L. Green	Paleontology/Sedimentation	North Carolina State University	Long bone histology and growth patterns in Late Triassic dicynodonts (Therapsida, Anomodontia) from North America
Erik L. Gulbranson	Paleontology/Sedimentation	University of California-Davis	Paleoclimatology of the Late Paleozoic deglaciation in Gondwana
Bethiah B. Hall	Paleontology/Sedimentation	University of Kansas	A Depositional Analysis of Tidally Influenced Deltaic Deposits in the Torrey Member of the Triassic Moenkopi Formation, Capitol Reef National Park Area, Utah
Karen A. Koy	Paleontology/Sedimentation	University of Illinois at Chicago	Changes in Resource Availability and the Evolution of Foraging Behavior
Krista Reichert	Paleontology/Sedimentation	University of New Hampshire	A 100,000 year record of temperature variation in the Lake Chewaucan Basin, Oregon, using amino acid racemization.
Patricia E. Ryberg	Paleontology/Sedimentation	University of Kansas	Permineralized Glossopteris ovules and ovulate organs from the Permian of Antarctica and Australia

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Mark T. Schlottke	Paleontology/Sedimentation	University of Wisconsin-Milwaukee	Paleoecology of the middle Cambrian eocrinoid echinoderm <i>Gogia spiralis</i> : Shifting substrate adaptation strategies through ontogeny
Jennifer L. Sliko	Paleontology/Sedimentation	University of South Florida	Environmental Controls Affecting <i>Siderastrea</i> Coral Morphology
Caleb N. Stroup	Paleontology/Sedimentation	Idaho State University	Cenozoic paleodrainage and basin development of southwestern Montana and eastern Idaho: Evidence from detrital zircon
Michael J. Williams	Paleontology/Sedimentation	Louisiana State University-Baton Rouge	A Significant Undescribed Late Barstovian (Miocene) Herpetofauna from the Fleming Formation on Fort Polk, Western Louisiana
Bailey A. Beitscher	Petrology/Geochemistry	Colorado State University	Trace elements in molybdenite as indicators of tectono-metallogenic setting
Aaron F. Diefendorf	Petrology/Geochemistry	Pennsylvania State University	Evaluation of new novel bacterial lipid biomarkers for terrestrial paleoclimate within the context of the Paleocene-Eocene Thermal Maximum
Tasha L. Dunn	Petrology/Geochemistry	University of Tennessee-Knoxville	Deriving New Calibrations For VISNIR Spectra of Asteroids Using Ordinary Chondrite Modal Abundances
Angela M. Green-Garcia	Petrology/Geochemistry	Louisiana State University-Baton Rouge	Characterization of the lucinid bivalve-bacteria symbiotic system: the significance of the geochemical habitat on bacterial symbiont diversity and phylogeny
Dorien K. McGee	Petrology/Geochemistry	University of South Florida	Testing a Biologic Model of Carbonic-Acid Driven Cave Dissolution with Stable Carbon Isotope Tracing

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Ian J. Orland	Petrology/Geochemistry	University of Wisconsin-Madison	Sub-annual resolution climate record of the eastern Mediterranean: Ion microprobe analysis of speleothems from Soreq Cave, Israel
Cynthia E. Schultz	Petrology/Geochemistry	San Jose State University	Ultramafic and basalt hosted biosignatures in the Coast Range Ophiolite near Stonyford, California
Jennifer B. Wright	Petrology/Geochemistry	Western Washington University	Measurement of Metamorphic Kinetics through combined EPMA and Sm-Nd dating.
John A. Apodaca	Physics/Astronomy	University of Colorado at Denver	Flux Monitoring of Active Galactic Nuclei at Optical Wavelengths
Gregory T. Betzel	Physics/Astronomy	University of Canterbury	Synthetic Diamonds for Radiation Therapy Dosimetry
William D. Boll	Physics/Astronomy	Georgia Institute of Technology	Differential Photometry of Eclipsing Binary Stars
Thomas S. Brennan	Physics/Astronomy	University of North Carolina at Chapel Hill	The Observation of Gamma Ray Bursts
Andrew C. Foster	Physics/Astronomy	University of North Carolina at Chapel Hill	Generalized Data Regression Using Genetic Algorithms
Thomas J. Haver	Physics/Astronomy	Miami University Ohio	Assessing the Spatial Resolution of a Capillary-Based, High-Pressure Chamber for Fluorescence Microscopy Imaging via Structured Illumination
Ruwan Kiringoda	Physics/Astronomy	Ohio State University	The Treatment of Large Brain Tumors Using Peripheral Small-Shot Irradiation with Gammaknife Radiosurgery and NOMOS Tomotherapy
Jeffrey M. Klein	Physics/Astronomy	University of Minnesota, Twin Cities	Development and Integration of a Half Wave Plate Polarimeter for the EBEX Cosmic Microwave Background Balloon Experiment
David L. Nidever	Physics/Astronomy	University of Virginia	Exploring the Stellar Halo of the Large Magellanic Cloud

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Daniel E. Polsgrove	Physics/Astronomy	University of Minnesota, Twin Cities	A Variable Wavelength, Narrow-Band Spectrometer as a Millimeter-Wave Emission Source for High- Precision Calibration of Astronomical Polarimetry Experiments
Sean Saladin	Physics/Astronomy	Unknown Institution	The Importance of Magnetic Fields on Small Size Scales in a Massive Star-forming Region: S88B
Kari A. Wojtkowski	Physics/Astronomy	University of Missouri-St. Louis	Characterization of Volatiles Around Young Stellar Objects
Allen Ardestani	Physiology/Functional Morphology	University of California-Los Angeles	ELECTROPHYSIOLOGY AND HEMODYNAMICS OF WORKING MEMORY
Sunayana B. Banerjee	Physiology/Functional Morphology	Cornell University	Dopamine in the preoptic area of the brain: Its role in male sexual behavior and pair bond formation in zebra finches (<i>Taeniopygia guttata</i>)
Eddie Blay	Physiology/Functional Morphology	Brown University	Upregulation of FGF2 in Alzheimer's Disease
Lori A. Cruze	Physiology/Functional Morphology	University of Florida	Endocrine Function of Embryonic Membranes
Ravi R. Desai	Physiology/Functional Morphology	State University of New York at Stony Brook	Spatiotemporal activation in microstructured co- cultures of cardiomyocytes (CM) and genetically modified human mesenchymal stem cells (hMSC).
Jessica M. Ellis	Physiology/Functional Morphology	Virginia Polytechnic Institute and State University	Effects of acyl-dystrophy induced by ACSL1 adipose- specific knock out mouse.
Jessica E. Healy	Physiology/Functional Morphology	Colorado State University	Ghrelin levels in feeding and fasting hibernating mammals
Miranda B. Kim	Physiology/Functional Morphology	University of Pennsylvania	Effects of Chlorinated Water on Zebrafish Eye Development and Function
Tami J. Murphy	Physiology/Functional Morphology	Villanova University	Phenotypic analysis of transcriptional co-activator, brd2, gene knockdowns in zebrafish (<i>Danio rerio</i>) embryos

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Sarah A. Orlofske	Physiology/Functional Morphology	Virginia Polytechnic Institute and State University	Energetic costs of trematode metacercariae infection in larval amphibian intermediate hosts
Aubree J. Roche	Physiology/Functional Morphology	University of Georgia	Reservoir Competence of Darkling Beetles (Tenebrionidae: Alpheobius diaperinus) for Inoculated Salmonella
Rebecca A. Sealton	Physiology/Functional Morphology	Duke University	Microevolutionary and Macroevolutionary Niche Shift in the Mustelidae (Mammalia): Using Weasels to Understand Whales
Zachary T. Swaim	Physiology/Functional Morphology	University of North Carolina at Wilmington	Investigating lipid metabolism in North Atlantic right whales: using fecal samples to assess assimilation of copepod triacylglycerols and wax esters
James U. Van Dyke	Physiology/Functional Morphology	University of Arkansas at Fayetteville	A mechanistic examination of the capital-income breeding dichotomy
Sarah C. Ardire	Psychology	Long Island University-C.W. Post Campus	Is the Relationship Between Maternal Emotional Intelligence and Child Emotional Competence Mediated by Maternal Sensitivity
Kristin S. Bell	Psychology	Southern Illinois University-Carbondale	The Contribution of Nonshared Environmental Factors to Differential Parental Discipline: A Twin Study
Shanna L. Harkey	Psychology	University of California-Davis	Immediate Effects of Dopamine Manipulation in the Infant Prairie Vole
Donna L. Kennedy	Psychology	University of Tennessee-Knoxville	Testing the Spousal Caregiving Model of Stress in Caregivers of Persons with Multiple Sclerosis
Kartik Ramamoorthi	Psychology	Rutgers, The State University of New Jersey	Contributions of Hippocampal PKC mRNA Expression to Memory Acquisition

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Lisa M. Rohrer	Psychology	University of Minnesota, Twin Cities	Biological and behavioral correlates of social affiliation and attachment
Laura N. Smith	Psychology	George Mason University	Nicotine sensitization in an adolescent rat model: the role of the D3 dopamine receptor.
Edward Vul	Psychology	Massachusetts Institute of Technology	How does the brain compensate for vision loss?
Lelena A. Avila	Systematics/Evolutionary Biology	University of Virginia	Evolution of Color in <i>Thamnophis sirtalis</i>
Aubrey D. Buckert	Systematics/Evolutionary Biology	Portland State University	Steller Sea Lion (<i>Eumetopias jubatus</i>) Breeding Sites in Southern Oregon and Northern California: A Possible Hybrid Zone?
Sarah S. Courbis	Systematics/Evolutionary Biology	Portland State University	Population Structure of Island-associated Dolphins
Anne M. Duploux	Systematics/Evolutionary Biology	University of Queensland	Genomics of a male-killing <i>Wolbachia</i> in the butterfly <i>Hypolimnys bolina</i>
Kasey D. Fowler-Finn	Systematics/Evolutionary Biology	University of Nebraska at Lincoln	An examination of the genetics underlying geographic variation in reproductive isolation between a brush-legged and non-ornamented wolf spider in the genus <i>Schizocosa</i>
Dawn M. Higginson	Systematics/Evolutionary Biology	Syracuse University	Gametic innovation and species radiation in diving beetles
Andrew G. Hope	Systematics/Evolutionary Biology	University of New Mexico	Molecular vs. morphological vicariant evolution of rapidly evolving mammals: <i>Sorex minutissimus</i> , the tiny shrew
Melissa R. Islam	Systematics/Evolutionary Biology	University of Colorado at Boulder	Tracing the evolutionary history of <i>Erythroxyllum</i>
Jennifer A. Lane	Systematics/Evolutionary Biology	City University of New York-City College	The morphology and relationships of the hybodont shark <i>Tribodus limae</i> , with a phylogenetic analysis of hybodont sharks (Chondrichthyes, Hybodontiformes)

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Nicholas D. Levsen	Systematics/Evolutionary Biology	University of Kansas	EVOLUTION AND GLACIAL HISTORY OF CHRYSOSPENIUM WRIGHTII, AN ULTRAMAFIC ENDEMIC PLANT ON KODIAK ISLAND, ALASKA
Cameron S. Miller	Systematics/Evolutionary Biology	Duke University	Host Specialization and Co-evolution of Ceanothus and Frankia
Jennifer C. Olori	Systematics/Evolutionary Biology	University of Texas at Austin	Ontogeny of microsaur and implications for microsauro intra-relationships and lissamphibian origins
Sujal S. Phadke	Systematics/Evolutionary Biology	University of Houston	Investigating the mating type-preference in the model eukaryote: Tetrahymena thermophila
Heather C. Shull	Systematics/Evolutionary Biology	Boston University	The influence of MHC genotype on resistance to avian malaria in African indigobirds (<i>Vidua</i> spp.)
Amanda M. Sparkman	Systematics/Evolutionary Biology	Iowa State University	Endocrine-Mediated Evolution of Life History Traits in <i>Thamnophis elegans</i> : A Common Garden Experiment
Martin M. Turcotte	Systematics/Evolutionary Biology	University of California-Riverside	Quantifying the ecological and evolutionary importance of rapid evolution
Avinash I. Vanjare	Systematics/Evolutionary Biology	University of Pune	Biodiversity and Taxonomic studies on Sessile and Colonial Rotifera from Pune, Maharashtra.
Jann E. Vendetti	Systematics/Evolutionary Biology	University of California-Berkeley	Early ontogenetic evolution in buccinid gastropods: a multi-disciplinary approach
Cheng-Chiang Wu	Systematics/Evolutionary Biology	Harvard University	Evolution of MADS-box Protein Modules in Eudicot Angiosperms
Zhongyu Xie	Systematics/Evolutionary Biology	University of Louisiana at Lafayette	Evolution, Function of Vicilin Genes from Wild Louisiana Legumes

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Sarah R. Brown	Tectonics/Geophysics	Simon Fraser University	CONSTRAINING THE TIMING AND MAGNITUDE OF EXTENSION ALONG THE SOUTHERN SECTION OF THE OKANAGAN VALLEY FAULT, SOUTHERN BC
Elizabeth M. Fein	Tectonics/Geophysics	Kent State University	Flow fabric determination of two Mesoproterozoic midcontinent rift dike swarms, northeastern Minnesota
Gabriel M. Izsak	Tectonics/Geophysics	University of Georgia	A Translational Model for the Great Valley Group, California: A Detrital Zircon Analysis
Zeynep Oner	Tectonics/Geophysics	Miami University Ohio	SUPRADETACHMENT BASIN EVOLUTION & KINEMATICS OF POST-COLLISIONAL EXTENSION IN WESTERN ANATOLIA, TURKEY
James R. Thigpen	Tectonics/Geophysics	Virginia Polytechnic Institute and State University	Characterization of 3-D vorticity and strain symmetry in the southern Appalachian Inner Piedmont: An exhumed orogenic hinterland?