

Grants from the March 15, 2007 Deadline  
 Alphabetical by Institution

Institution	Field	Title	Student	Mentor
American University	Ecology	Environmental and pathogenic effects on bacterial diversity in surface mucus layer of the Caribbean seafan <i>Gorgonia ventalina</i> .	Emily Broderick	Kiho Kim
Appalachian State University	Cell Biology/ Biochemistry	Differential Gene Expression Due to Photoperiodic Response in <i>Scytosiphon lomentaria</i>	Adam Miller	Mary Connell
Appalachian State University	Conservation Biology	Chicken Litter Runoff in High Quality Headwater Streams: An Investigation of Endocrine Disruption and Heavy Metal Toxicity	Kathryn Quillin	Shea Tuberty
Appalachian State University	Cell Biology/ Biochemistry	Regulation of <i>Vibrio cholerae</i> biofilm by NspS and MbaA	Josiah Zayner	Ece Karatan
Arizona State University	Cell Biology/ Biochemistry	Fruit Flies Lacking Dietary Folic Acid Grow Faster, So What About their DNA?	Sydella Blatch	Jon Harrison
Arizona State University	Anthropology	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> )	Michael O'Mara	Leanne Nash
Ball State University	Engineering	Assessment of Environmental and Public Health Hazards of Electronic Waste	Kendra Fitzwater	John Pichtel
Boise State University	Ecology	The importance of harvester ant seed predation on slickspot peppergrass reproduction	Joshua White	Ian Robertson
Boston University	Systematics/ Evolutionary Biology	The influence of MHC genotype on resistance to avian malaria in African indigobirds ( <i>Vidua spp.</i> )	Heather Shull	Michael Sorenson
Bowling Green State University	Ecology	Management effects on the recruitment and establishment of <i>Lupinus perennis</i> (L.).	Michael Plenzler	Helen Michaels

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Bowling Green State University	Ecology	Influence of Moisture on Wetwall Algal Community Composition and Structure: Field Moisture Manipulations and Natural Habitat Surveys	Jennifer Ress	Rex Lowe
Brown University	Physiology/ Functional Morphology	Upregulation of FGF2 in Alzheimer's Disease	Eddie Blay	Edward Stopa
Central Missouri State University	Cell Biology/ Biochemistry	Effect of bacterial cell density on virulence in a strain of <i>Listeria monocytogenes</i>	Julie Reeves	Anna Oller
City University of New York-City College	Systematics/ Evolutionary Biology	The morphology and relationships of the hybodont shark <i>Tribodus limae</i> , with a phylogenetic analysis of hybodont sharks ( <i>Chondrichthyes</i> , <i>Hybodontiformes</i> )	Jennifer Lane	John Maisey
Clarion University of Pennsylvania	Ecology	Anthropogenic Eutrophication Constrains the Ability of Freshwater Animals to Detect Predators	Michael Chislock	Andrew Turner
Colorado State University	Petrology/ Geochemistry	Trace elements in molybdenite as indicators of tectono-metallogenic setting	Bailey Beitscher	Holly Stein
Colorado State University	Physiology/ Functional Morphology	Ghrelin levels in feeding and fasting hibernating mammals	Jessica Healy	George Florant
Cornell University	Physiology/ Functional Morphology	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> ).	Sunayana Banerjee	Elizabeth Adkins-Regan
Cornell University	Ecology	Leptin in migratory birds: a field validation	David Cerasale	David Winkler
Cornell University	Ecology	Phenotypic plasticity and plant invasions: a comparative study of native and exotic congeners	Susan Cook	Anurag Agrawal

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Cornell University	Ecology	Nutrient sustainability along a soil degradation gradient on a watershed scale in smallholder agriculture	John Recha	Johannes Lehmann
Drake University	Behavioral Ecology	Effects of sub chronic, pharmacological administration of genistein on spatial learning and memory in rats	Evan Ball	Craige Wrenn
Duke University	Ecology	Can indirect interactions arise from sharing mutualists? Detecting competition or facilitation for mutualist ants among plants with extrafloral nectaries	Arietta Fleming-Davies	William Morris
Duke University	Ecology	The role of seedling pathogens in temperate forest recruitment	Michelle Hersh	James Clark
Duke University	Ecology	Lichen-associated bacterial diversity in the American tropics	Brendan Hodkinson	Francois Lutzoni
Duke University	Engineering	Construction of Experimental Wing Model for Nonlinear Aeroelasticity Studies	Justin Jaworski	Earl Dowell
Duke University	Systematics/ Evolutionary Biology	Host Specialization and Co-evolution of <i>Ceanothus</i> and <i>Frankia</i>	Cameron Miller	Dylan Burge
Duke University	Cell Biology/ Biochemistry	The microtubule-severing process and its role in neural development	Lisa Pang	Nina Sherwood
Duke University	Conservation Biology	Development of a baseline of catch and bycatch data for the fixed gear sector fleet in Georges Bank, Cape Cod	Anthony Rafferty	Eric Brazer
Duke University	Physiology/ Functional Morphology	Microevolutionary and Macroevolutionary Niche Shift in the Mustelidae ( <i>Mammalia</i> ): Using Weasels to Understand Whales	Rebecca Sealfon	Clifford Cunningham

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Eastern Illinois University	Cell Biology/ Biochemistry	Evaluation of the Oxalate-Consuming Activities of Probiotic Microorganisms	Alexandra Baluka	Steven Daniel
Furman University	Hydrology/ Geomorphology	Isotopic analysis of nitrates in urban watersheds	Ellen McGuiness	Charles Andersen
George Mason University	Psychology	Nicotine sensitization in an adolescent rat model: the role of the D3 dopamine receptor.	Laura Smith	Robert Smith
George Washington University	Ecology	A Population genetics approach to understand sex-specific adaptation in the Caribbean Heliconia-hummingbird system	Vinita Gowda	W.J. Kress
George Washington University	Anthropology	Hominid Forefoot Kinematics, Kinetics, and Trabecular Bone Architecture	Nicole Griffin	Brian Richmond
Georgia Institute of Technology	Physics/Astronomy	Differential Photometry of Eclipsing Binary Stars	William Boll	James Sowell
Harvard University	Systematics/ Evolutionary Biology	Evolution of MADS-box Protein Modules in Eudicot Angiosperms	Cheng-Chiang Wu	Elena Kramer
Hope College	Behavioral Ecology	Hormonal and Environmental Differences Associated with Aggressive Nestbox Defense and Reproductive Success in the Eastern Bluebird ( <i>Sialia sialis</i> )	Emily McConnelly	Greg Fraley
Idaho State University	Ecology	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	Javan Bauder	Charles Peterson

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Idaho State University	Paleontology/ Sedimentation	Cenozoic paleodrainage and basin development of southwestern Montana and eastern Idaho: Evidence from detrital zircon	Caleb Stroup	Paul Link
Illinois State University	Hydrology/ Geomorphology	The Impact of Streambed Sediment Size on Hyporheic Temperature Profiles in a Low Gradient Third-order Agricultural Stream	Vanessa Druke	Eric Peterson
Indiana State University	Physiology/ Functional Morphology	Anatomy and infrared detection ability of the facial pits of North American pit vipers.	Samantha Colayori	George Bakken
Iowa State University	Hydrology/ Geomorphology	Hydrogeological and Geophysical Investigation of the Upper Bear Creek Watershed	Jennifer Abrahamson	William Simpkins
Iowa State University	Systematics/ Evolutionary Biology	Endocrine-Mediated Evolution of Life History Traits in <i>Thamnophis elegans</i> : A Common Garden Experiment	Amanda Sparkman	Anne Bronikowski
Kansas State University	Ecology	Testing for Potential Crosstalk between the Salicylate and Jasmonate Signaling Pathways and its Effects on Trophic-level Interactions.	Punya Nachappa	David Margolies
Kent State University	Tectonics/ Geophysics	Flow fabric determination of two Mesoproterozoic midcontinent rift dike swarms, northeastern Minnesota	Elizabeth Fein	Daniel Holm
Lehigh University	Hydrology/ Geomorphology	Potential sediment flux consequences of glacial-to-interglacial ice dynamics of the Upper Cook Inlet, Alaska	Sarah Kopczynski	Edward Evenson

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Long Island University-C.W. Post Campus	Psychology	Is the Relationship Between Maternal Emotional Intelligence and Child Emotional Competence Mediated by Maternal Sensitivity?	Sarah Ardire	Camilo Ortiz
Louisiana State University-Baton Rouge	Petrology/ Geochemistry	Characterization of the lucinid bivalve-bacteria symbiotic system: the significance of the geochemical habitat on bacterial symbiont diversity and phylogeny	Angela Green-Garcia	Annette Engel
Louisiana State University-Baton Rouge	Ecology	Investigation of food webs on unique shoals located off coastal Louisiana	Mark Grippo	John Fleeger
Louisiana State University-Baton Rouge	Cell Biology/ Biochemistry	Expression of stress-inducible proteins in early life stages of 2 bivalves following pesticide exposure	Karen Perry	John Lynn
Louisiana State University-Baton Rouge	Paleontology/ Sedimentation	A Significant Undescribed Late Barstovian (Miocene) Herpetofauna from the Fleming Formation on Fort Polk, Western Louisiana	Michael Williams	Judith Schiebout
Marquette University	Engineering	Experimental Validation of Generalized Formulas for the Characteristics of Dynamically-Driven Polymer-Coated Microcantilever Chemical Sensors in a Viscous Liquid Medium	Russell Cox	Fabien Josse
Massachusetts Institute of Technology	Psychology	How does the brain compensate for vision loss?	Edward Vul	Nancy Kanwisher
McGill University	Engineering	Synthesis of a stabilized copper-ethylene glycol nanofluid for use as an enhanced heat transfer fluid	Jason Tavares	Sylvain Coulombe
Miami University Ohio	Behavioral Ecology	Effect of Female Social Status on Male Preference and Reproductive Success	Aron Costello	Douglas Meikle

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Miami University Ohio	Cell Biology/ Biochemistry	Dissecting Transdifferentiation, the Key for Eye Tissue Repair and Regeneration	Christian Gutierrez	Katia Del Rio-Tsonis
Miami University Ohio	Physics/ Astronomy	Assessing the Spatial Resolution of a Capillary-Based, High-Pressure Chamber for Fluorescence Microscopy Imaging via Structured Illumination	Thomas Haver	Paul Urayama
Miami University Ohio	Chemistry	Investigation of Hydrogen Adsorption in Porous Metal-Organic Frameworks with Heterometal Centers by Inelastic Neutron Scattering	Shengqian Ma	Hongcai Zhou
Miami University Ohio	Tectonics/ Geophysics	Supradetachment Basin Evolution & Kinematics of Post-collisional Extension in Western Anatolia, Turkey	Zeynep Oner	Yildirim Dilek
Miami University Ohio	Ecology	An analysis of seasonal and habitat specific Diptera feeding patterns in wolf spiders	Jason Schmidt	Ann Rypstra
Miami University Ohio	Cell Biology/ Biochemistry	Large Scale Confirmation of Plant Poly(A) Signals Compiled through Bioinformatic Approach	Yingjia Shen	Qingshun Li
Michigan State University	Ecology	Climate change induced diversification in host plant associations in a butterfly lineage through the increased hybridization of two generalist butterflies.	Rodrigo Mercader	Jon Scriber
Mississippi State University	Ecology	Fungi and bacteria associated with red imported fire ants and mounds in Mississippi, and their potential use as biological control agents.	Sandra Woolfolk	Richard Baird
Mount Holyoke College	Cell Biology/ Biochemistry	Characterization of the Role of Dendritic Cells in Murine AIDS	Josephine Giles	Sharon Stranford

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New York Medical College	Cell Biology/ Biochemistry	NO-mediated block of SNARE-disassembly in pulmonary arterial hypertension.	Somshuvra Mukhopadhyay	Pravinkumar Sehgal
North Carolina State University	Engineering	Determination of Block Copolymer Sequence Length Distributions by the Measurement of Electro-optical Kerr Constants	Laura Dong	George Roberts
North Carolina State University	Paleontology/ Sedimentation	Long bone histology and growth patterns in Late Triassic dicynodonts ( <i>Therapsida</i> , <i>Anomodontia</i> ) from North America	Jeremy Green	Mary Schweitzer
Ohio State University	Physics/ Astronomy	The Treatment of Large Brain Tumors Using Peripheral Small-Shot Irradiation with Gammaknife Radiosurgery and NOMOS Tomotherapy	Ruwan Kiringoda	Jian Wang
Ohio State University	Ecology	Contribution of Emergent Aquatic Insects to Diet and Consequences for Refueling in Spring Migrant Landbirds	Lauren MacDade	Paul Rodewald
Oklahoma State University	Behavioral Ecology	Mate guarding and territoriality in the North American skinks <i>Plestiodon obsoletus</i> , <i>Plestiodon obtusirostris</i> , and <i>Scincella lateralis</i>	Cybil Smith	Stanley Fox
Oregon State University	Ecology	Forecasting the effects of dam-induced flow changes on stream-dwelling organisms	Asako Yamamuro	David Lytle
Pennsylvania State University	Petrology/ Geochemistry	Evaluation of new novel bacterial lipid biomarkers for terrestrial paleoclimate within the context of the Paleocene-Eocene Thermal Maximum	Aaron Diefendorf	Katherine Freeman

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Pennsylvania State University	Cell Biology/ Biochemistry	Identifying a role for TGF- $\beta$ 1 in induction of the NF $\kappa$ B pathway by ultraviolet radiation (UVR) in primary keratinocytes	Kelly Hogan	Adam Glick
Pennsylvania State University	Ecology	A study of the effects of cucumber mosaic virus infection on host plant chemistry and vector behavior.	Kerry Mauck	Mark Mescher
Portland State University	Systematics/ Evolutionary Biology	Stellar Sea Lion ( <i>Eumetopias jubatus</i> ) Breeding Sites in Southern Oregon and Northern California: A Possible Hybrid Zone?	Aubrey Buckert	Debbie Duffield
Portland State University	Systematics/ Evolutionary Biology	Population Structure of Island-associated Dolphins	Sarah Courbis	Deborah Duffield
Portland State University	Hydrology/ Geomorphology	Debris Flow Hazard Mapping, Mt. Hood, Oregon	Rachel Pirot	Scott Burns
Queens University	Ecology	Effect of the invasive predator, <i>Bythotrephes longimanus</i> on growth of fishes in Ontario lakes.	Leah James	Shelley Arnott
Rockhurst University	Cell Biology/ Biochemistry	Nearest Neighbor Parameters for Inosine-Cytosine Pairs Located Within Watson-Crick Helices	Daniel Wright	Brent Znosko
Rutgers, The State University of New Jersey	Psychology	Contributions of Hippocampal PKC mRNA Expression to Memory Acquisition	Kartik Ramamoorthi	Timothy Otto
Saint Louis University	Cell Biology/ Biochemistry	Development of light-induced dopamine signaling in mouse retina	Angela Hakenewerth	Judith Ogilvie
San Diego State University	Ecology	Determining the role of biotic and abiotic factors in the production of phlorotannins in the brown macroalgae <i>Macrocystis pyrifera</i>	Rochelle Mothokakobo	Matthew Edwards

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San Jose State University	Petrology/ Geochemistry	Ultramafic and basalt hosted biosignatures in the Coast Range Ophiolite near Stonyford, California	Cynthia Schultz	Ellen Metzger
Scripps College	Chemistry	Investigation of Particulate Air Pollutants on the Schizosaccharomyces Pombe Cell Cycle	Zoe Davis	Kathleen Purvis-Roberts
Simon Fraser University	Tectonics/ Geophysics	Constraining the Timing and Magnitude of Extension Along the Southern Section of the Okanagan Valley Fault, Southern BC	Sarah Brown	Dan Gibson
Southern Illinois University-Carbondale	Psychology	The Contribution of Nonshared Environmental Factors to Differential Parental Discipline: A Twin Study	Kristin Bell	Lisabeth DiLalla
Southern Illinois University-Carbondale	Hydrology/ Geomorphology	Historical Trends in Flow Dynamics and Flood Magnification, Tisza River, Hungary	Rob Venczel	Nicholas Pinter
Stanford University	Cell Biology/ Biochemistry	Phenotypic Analysis of Muscle Stem Cell Fate	Joy Zhang	Helen Blau
State University of New York at Stony Brook	Physiology/ Functional Morphology	Spatiotemporal activation in microstructured co-cultures of cardiomyocytes (CM) and genetically modified human mesenchymal stem cells (hMSC).	Ravi Desai	Emilia Entcheva
State University of New York at Stony Brook	Ecology	Proximate mechanisms for growth and sex determination in a marine fish with application to local adaptation and fishery induced selection	Tara Duffy	David Conover
State University of New York at Stony Brook	Paleontology/ Sedimentation	Vertebrate Paleontological Exploration in the Upper Cretaceous of the Ambilobe (Diego) Basin, Northern Madagascar	Andrew Farke	David Krause

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State University of New York at Stony Brook	Anthropology	Description and Function of Close Calls in Western Gorillas ( <i>Gorilla gorilla</i> ), Republic of Congo	Roberta Salmi	Diane Doran Sheehy
SUNY College of Environmental Science and Forestry	Chemistry	Ecotoxicological Exposure Assessment of Frogs to Endocrine Disruptors	Debra Joseph	John Hassett
Syracuse University	Systematics/ Evolutionary Biology	Gametic innovation and species radiation in diving beetles	Dawn Higginson	Scott Pitnick
Tarleton State University	Computer Science/ Mathematics	A behavior-based approach to piloting autonomous mobile robots	Arun Mahendra	Mircea Agapie
Texas A&M University-Corpus Christi	Hydrology/ Geomorphology	Assessment of Historical Transport of Radionuclides from Abandoned Uranium Mines to Watershed	Felisha Cullins	Philippe Tissot
Texas Tech University	Behavioral Ecology	Do songbirds assess nest-predation risk using auditory cues of predators: an experimental manipulation of chipmunk vocalizations	Quinn Emmering	Kenneth Schmidt
The Graduate Center, The City University of New York	Anthropology	Gestural Communication in the African Apes	Lindsey Smith	Roberto Delgado
Thomas Jefferson University	Cell Biology/ Biochemistry	The influence of delta-opioid receptor function on anxiety in female rats during cocaine withdrawal	Lisa Ambrose-Lanci	Elizabeth Van Bockstaele
Trent University	Ecology	A Comparison of the Invertebrate Communities of Two Adjacent Central Arctic Lakes of Different Depths in Relation to Waterfowl Movements	Danica Hogan	Michael Berill
Universidad de Buenos Aires	Ecology	Diversity and habitat associations of seed-carrying ant assemblages in the Monte desert	Maria del Mar Beaumont Fantozzi	Javier Lopez de Casenave

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Universidad Nacional de La Plata	Ecology	Trophic Ecology of Subantartic Cetaceans Using Conventional and Isotopic Techniques	Luciana Riccialdelli	Ricardo Bastida
University of Akron	Engineering	Development of Electrospun films type drug delivery devices using blends of novel L-tyrosine based polyurethanes and polyphosphates	Parth Shah	Stephanie Lopina
University of Alabama at Tuscaloosa	Anthropology	Changing Maya Economic Practices: Ceramic Production and Standardization during the Late Classic at Chan, Belize	Krista Garcia	Cynthia Robin
University of Alaska Fairbanks	Anthropology	Cross-cultural work on moral judgments: Moral intuitions of the Nunamuit Eskimo	Sargent Shriver	Marc Hauser
University of Arkansas at Fayetteville	Physiology/ Functional Morphology	A mechanistic examination of the capital-income breeding dichotomy	James Van Dyke	Steven Beaupre
University of British Columbia	Conservation Biology	Effects of land use changes on the structure and functioning of tropical decomposer food webs	Melissa Cuke	Diane Srivastava
University of Calgary	Behavioral Ecology	The interaction of Nutrition, Stress levels and Parasite Load in Determining Black Howler Monkey Population Density in Monkey River, Belize	Alison Behie	Mary Pavelka
University of Calgary	Anthropology	Dominance in white-faced capuchins ( <i>Cebus capucinus</i> ): Assessment of hierarchical linearity, strength, and dominance style.	Mackenzie Bergstrom	Linda Fedigan
University of Calgary	Behavioral Ecology	Reproductive strategies in white-faced capuchins: ovarian cycles, seasonality and concealed ovulation	Sarah Carnegie	Linda Fedigan

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University of California-Berkeley	Behavioral Ecology	Ecology of sociality in rodents: the role of food reevaluated	Jose Santos	Eileen Lacey
University of California-Berkeley	Systematics/ Evolutionary Biology	Early ontogenetic evolution in buccinid gastropods: a multi-disciplinary approach	Jann Vendetti	Carole Hickman
University of California-Davis	Paleontology/ Sedimentation	Paleoclimatology of the Late Paleozoic deglaciation in Gondwana	Erik Gulbranson	Isabel Montanez
University of California-Davis	Psychology	Immediate Effects of Dopamine Manipulation in the Infant Prairie Vole	Shanna Harkey	Karen Bales
University of California-Irvine	Ecology	Does genetic diversity facilitate exotic plant invasions?: interactions between ecological and evolutionary mechanisms	Heather McGray	Katherine Suding
University of California-Los Angeles	Physiology/ Functional Morphology	Electrophysiology and Hemodynamics of Working Memory	Allen Ardestani	Joaquin Fuster
University of California-Los Angeles	Behavioral Ecology	The evolution of group size and individual distinctiveness	Kimberly Pollard	Daniel Blumstein
University of California-Riverside	Behavioral Ecology	Investment in incubation by female songbirds: does male behavior compensate for the effects of ambient temperature?	Sharon Coe	John Rotenberry
University of California-Riverside	Systematics/ Evolutionary Biology	Quantifying the ecological and evolutionary importance of rapid evolution	Martin Turcotte	David Reznick
University of California-San Diego	Chemistry	Porous silicon photonic nanostructures containing pore diameter and surface chemistry gradients as microsensors for environmental toxicants and pollutants	Anne Ruminski	Michael Sailor

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University of California-Santa Barbara	Behavioral Ecology	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?	Natalie Doerr	John Endler
University of Canterbury	Physics/Astronomy	Synthetic Diamonds for Radiation Therapy Dosimetry	Gregory Betzel	Lou Reinisch
University of Colorado at Boulder	Systematics/Evolutionary Biology	Tracing the evolutionary history of <i>Erythroxylum</i>	Melissa Islam	Thomas Ranker
University of Colorado at Denver	Physics/Astronomy	Flux Monitoring of Active Galactic Nuclei at Optical Wavelengths	John Apodaca	Alberto Sadun
University of Connecticut	Anthropology	Micromorphological Identification of Human Activity areas at the Italian Early Bronze Age site, T.A.V. Afragola	Tiziana Matarazzo	Natalie Munro
University of Denver	Ecology	Soil chemistry before and after Russian olive removal: understanding restoration implications.	Margaret Gaddis	Anna Sher
University of Denver	Ecology	Tamarix spp. control effects on the terrestrial arthropods trophic cascade	Stephanie Strudley	Anna Sher
University of Florida	Physiology/Functional Morphology	Endocrine Function of Embryonic Membranes	Lori Albergotti	Louis Guilette
University of Florida	Paleontology/Sedimentation	Paleoecological dynamics of mammalian communities under glacial and interglacial conditions in Florida, USA	Larisa DeSantis	Bruce MacFadden
University of Florida	Hydrology/Geomorphology	Evaluation of glacier stress regime controls on englacial conduit routing: a dynamic, plastic karst aquifer approach to glacier hydrology.	Jason Gulley	Jonathan Martin

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University of Florida	Behavioral Ecology	Songs, sex, and elevation: High altitude relaxation of sexual selection in singing mice songs?	Bret Pasch	Steven Phelps
University of Florida	Behavioral Ecology	Does variation in local operational sex ratio affect male alternative reproductive tactics in the golden orb spider?	Clare Rittschof	H.J. Brockmann
University of Georgia	Ecology	Can Plants Set Security Levels? Direct and Indirect Plant Defensive Responses to Gradations and Spatial Distribution of Herbivory	Yigen Chen	John R. Ruberson
University of Georgia	Anthropology	An Ecology of Pain: Early Adverse Experiences, Cultural Meanings and the Development of Chronic Pain	James Hurlburt	Bram Tucker
University of Georgia	Tectonics/ Geophysics	A Translational Model for the Great Valley Group, California: A Detrital Zircon Analysis	Gabriel Izsak	James Wright
University of Georgia	Physiology/ Functional Morphology	Reservoir Competence of Darkling Beetles ( <i>Tenebrionidae: Alphitobius diaperinus</i> ) for Inoculated Salmonella	Aubree Roche	Nancy Hinkle
University of Georgia	Ecology	Nutrient Enrichment Effects on Detrital Resources: Linkages between Coarse and Fine Particulate Matter	Cynthia Tant	Amy Rosemond
University of Georgia	Anthropology	Cultural versus Utilitarian Salience in the Persistence of Folk Crop Varieties in an Immigrant Southern Appalachian population of Yecora, Mexico	James Veteto	Robert Rhoades
University of Hawaii at Hilo	Conservation Biology	Transfer of maternal antibodies in Hawaii 'amakihi	Bobby Hsu	Patrick Hart

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University of Hawaii at Hilo	Conservation Biology	Gene Flow and connectivity of the crown-of-thorns starfish, <i>Acanthaster planci</i> , in the central Pacific	Molly Timmers	Marta de Maintenon
University of Houston	Systematics/ Evolutionary Biology	Investigating the mating type-preference in the model eukaryote: <i>Tetrahymena thermophila</i>	Sujal Phadke	Rebecca Zufall
University of Illinois at Chicago	Anthropology	Is the mitochondrial haplogroup B a thrifty genotype?	Ken Batai	Sloan Williams
University of Illinois at Chicago	Ecology	Habitat disturbance and the maintenance of bird species diversity in East African montane forests	Luca Borghesio	Henry Howe
University of Illinois at Chicago	Paleontology/ Sedimentation	Changes in Resource Availability and the Evolution of Foraging Behavior	Karen Koy	Ron Plotnick
University of Illinois at Chicago	Engineering	New possible marker for evaluating the tissue-engineered cartilage	Weiguo Li	Richard Magin
University of Illinois at Urbana-Champaign	Chemistry	In vitro selection of deoxyribozymes with substrate-general RNA ligase activity	Andrew Hoover	Scott Silverman
University of Illinois at Urbana-Champaign	Behavioral Ecology	Inbreeding avoidance in a natural population of the guppy <i>Peocilia reticulata</i>	Ashley Johnson	Kimberly Hughes
University of Kansas	Paleontology/ Sedimentation	A Depositional Analysis of Tidally Influenced Deltaic Deposits in the Torrey Member of the Triassic Moenkopi Formation, Capitol Reef National Park Area, Utah	Bethiah Hall	Diane Kamola
University of Kansas	Hydrology/ Geomorphology	Incision and exhumation history of the Colorado Plateau in the Canyonlands to Book Cliffs region, Utah	Markella Hoffman	Daniel Stockli

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University of Kansas	Systematics/ Evolutionary Biology	Evolution and Glacial History of Chrysosplenium WrightII, and Ultramafic Endemic Plant on Kodiak Island, Alaska	Nicholas Levsen	Mark Mort
University of Kansas	Paleontology/ Sedimentation	Permineralized Glossopteris ovules and ovulate organs from the Permian of Antarctica and Australia	Patricia Ryberg	Edith Taylor
University of Louisiana at Lafayette	Systematics/ Evolutionary Biology	Evolution, Function of Vicilin Genes from Wild Louisiana Legumes	Zhongyu Xie	Caryl Chlan
University of Louisiana at Monroe	Cell Biology/ Biochemistry	Proteomics study of new red blood cells (RBCs) from primed rats which are resistant to 2-butoxyethanol (BE)-induced hemolysis by 2- dimensional gel electrophoresis followed by Mass Spectrometry.	Prajakta Palkar	Harihara Mehendale
University of Maine, Orono	Behavioral Ecology	The Influence of Energetic Condition on Directional Decisions of Nocturnal Migrant Songbirds	Kristen Covino	Rebessa Holberton
University of Massachusetts Amherst	Paleontology/ Sedimentation	Holocene tsunami deposits in coastal lakes of the Lofoten Islands, northwestern Norway	Nicholas Balascio	Raymond Bradley
University of Massachusetts Amherst	Anthropology	Survey of nocturnal lemurs ( <i>Cheirogaleus spp.</i> ) in the continuous and fragmented forests of Tsinjoarivo, eastern Madagascar.	Marina Blanco	Laurie Godfrey
University of Massachusetts Amherst	Anthropology	"I wasn't even anywhere": Militarism, Activism, and Veteran- ism	Daniel Burland	Krista Harper
University of Massachusetts Amherst	Anthropology	The Green Fields of (Post-Colonial) Ireland: Language, Immigration, and the 'Celtic Tiger'.	Theresa Hyland	Krista Harper

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University of Massachusetts Amherst	Anthropology	Reformed Women: Reproductive Policy in Post-Regime Portugal and the Abortion Debate	Margarite Whitten	Krista Harper
University of Michigan-Ann Arbor	Behavioral Ecology	Hormonal Control of Chemical Communication in a Paper Wasp, <i>Polistes dominulus</i>	Amanda Izzo	Elizabeth Tibbetts
University of Michigan-Ann Arbor	Cell Biology/ Biochemistry	Risk factors for Hepatocellular Carcinoma in Egypt: A molecular and spatial approach	Elizabeth Lehman	Mark Wilson
University of Minnesota, Twin Cities	Physics/ Astronomy	Development and Integration of a Half Wave Plate Polarimeter for the EBEX Cosmic Microwave Background Balloon Experiment	Jeffrey Klein	Shaul Hanany
University of Minnesota, Twin Cities	Physics/ Astronomy	A Variable Wavelength, Narrow-Band Spectrometer as a Millimeter-Wave Emission Source for High-Precision Calibration of Astronomical Polarimetry Experiments	Daniel Polsgrove	Terry Jones
University of Minnesota, Twin Cities	Psychology	Biological and behavioral correlates of social affiliation and attachment	Lisa Rohrer	Tonya White
University of Missouri-St. Louis	Ecology	Ecology and evolution of maternal antibody allocation in <i>Turdus grayi</i>	BriAnne Addison	Robert Ricklefs
University of Missouri-St. Louis	Ecology	Impact of an invasive shrub, <i>Lonicera maackii</i> ( <i>Caprifoliaceae</i> ), on biodiversity through biotic interactions	Humberto Dutra	Robert Marquis
University of Missouri-St. Louis	Physics/ Astronomy	Characterization of Volatiles Around Young Stellar Objects	Kari Van Brunt	Erika Gibb
University of Montana	Behavioral Ecology	The Stress Physiology of Reproductive Decisions	Rachel Sprague	Creagh Breuner

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University of Montana	Ecology	Understanding invasive plant success with experiments in the native and introduced ranges	Jennifer Williams	John Maron
University of Nebraska at Lincoln	Behavioral Ecology	Effects of Ultraviolet-B Radiation on Platyfish, <i>Xiphophorus maculatus</i> Fitness	Ashley Bowers	Alexandra Basolo
University of Nebraska at Lincoln	Systematics/ Evolutionary Biology	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>	Kasey Fowler-Finn	Eileen Hebets
University of Nebraska at Lincoln	Behavioral Ecology	Association Costs in the Female Variable Field Cricket, <i>Gryllus lineaticeps</i>	Cassandra Martin	William Wagner
University of New Hampshire	Paleontology/ Sedimentation	A 100,000 year record of temperature variation in the Lake Chewaucan Basin, Oregon, using amino acid racemization.	Krista Reichert	Joseph Licciardi
University of New Mexico	Systematics/ Evolutionary Biology	Molecular vs. morphological vicariant evolution of rapidly evolving mammals: <i>Sorex minutissimus</i> , the tiny shrew	Andrew Hope	Joseph Cook
University of New Mexico	Anthropology	Learning Networks and Social Diversity in the Chaco System, A.D. 850–1140: An Analysis of Basketry Technology	Edward Jolie	Wirt Wills
University of Newcastle upon Tyne	Conservation Biology	Parrotfish corallivory as a means of coral diseases transmission – Evaluation by comparison of bacterial populations	Christopher Sheridan	John Bythell
University of Newcastle upon Tyne	Conservation Biology	Biogeographic variation of zooxanthellae in selected sceractinian corals from the West India Ocean.	Leita Tschanz	John Bythell

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University of North Carolina at Chapel Hill	Physics/Astronomy	The Observation of Gamma Ray Bursts	Thomas Brennan	Daniel Reichart
University of North Carolina at Chapel Hill	Physics/Astronomy	Generalized Data Regression Using Genetic Algorithms	Andrew Foster	Daniel Reichart
University of North Carolina at Wilmington	Physiology/ Functional Morphology	Investigating lipid metabolism in North Atlantic right whales: using fecal samples to assess assimilation of copepod triacylglycerols and wax esters	Zachary Swaim	Heather Koopman
University of North Dakota	Ecology	The effects of <i>Centrovarium lobotes metacercariae</i> on the bioenergetics of stream fishes	Eric Bless	Steven Kelsch
University of Notre Dame	Ecology	Can specialist species move ahead? The role of transition zones in host plants for a specialist butterfly species	Shannon Pelini	Jessica Hellmann
University of Oregon	Ecology	Population Structure and Dispersal of the Intertidal Gastropod <i>Tegula funebris</i>	Erin Cooper	Alan Shanks
University of Oregon	Ecology	Direct virus competition in a common native perennial grass	Larissa Unruh	Barbara Roy
University of Pennsylvania	Physiology/ Functional Morphology	Effects of Chlorinated Water on Zebrafish Eye Development and Function	Miranda Kim	Gary Kao
University of Pennsylvania	Ecology	Climate change and demographic effects of off-growing season precipitation on herbaceous perennial " <i>Cryptantha flava</i> " L. ( <i>Boraginaceae</i> ).	Roberto Salguero-Gomez	Brenda Casper
University of Puerto Rico at Mayaguez	Conservation Biology	Genetic variation in <i>Acropora palmata</i> and <i>Acropora cervicornis</i> in Puerto Rico	Joselyd Garcia	Nikolaos Schizas
University of Pune	Systematics/ Evolutionary Biology	Biodiversity and Taxonomic studies on Sessile and Colonial Rotifera from Pune, Maharashtra.	Avinash Vanjare	Kalpna Pai

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University of Queensland	Systematics/ Evolutionary Biology	Genomics of a male-killing Wolbachia in the butterfly <i>Hypolimnas bolina</i>	Anne Duplouy	Scott O'Neill
University of South Florida	Ecology	What lies beneath: structure and ecosystem function of rhizophytic algal holdfasts in soft bottom habitats	Laura Bedinger	Susan Bell
University of South Florida	Anthropology	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	Jeffrey Du Vernay	Nancy White
University of South Florida	Petrology/ Geochemistry	Testing a Biologic Model of Carbonic-Acid Driven Cave Dissolution with Stable Carbon Isotope Tracing	Dorien McGee	Peter Harries
University of South Florida	Paleontology/ Sedimentation	Environmental Controls Affecting <i>Siderastrea</i> Coral Morphology	Jennifer Sliko	Gregory Herbert
University of Tennessee-Knoxville	Petrology/ Geochemistry	Deriving New Calibrations For VISNIR Spectra of Asteroids Using Ordinary Chondrite Modal Abundances	Tasha Dunn	Harry McSween
University of Tennessee-Knoxville	Psychology	Testing the Spousal Caregiving Model of Stress in Caregivers of Persons with Multiple Sclerosis	Donna Kennedy	Debora Baldwin
University of Texas at Austin	Systematics/ Evolutionary Biology	Ontogeny of microsaur and implications for microsaur intra-relationships and lissamphibian origins	Jennifer Olori	Christopher Bell
University of Texas at Austin	Ecology	Sperm quantity, quality, and fertilization success of alternative male mating strategies in the swordtail fish <i>Xiphophorus nigrensis</i>	Chad Smith	Michael Ryan

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University of Texas at Austin	Anthropology	Ecological Correlates of Selection on the S-Opsin Gene in Primates: Implications for the Evolution of Color Vision	Carrie Veilleux	Edward Kirk
University of Toledo	Ecology	Burrowing mayfly habitat choice: Effects on fish foraging	Kristen DeVanna	Christine Mayer
University of Toronto	Ecology	Causes and correlates of bee emergence in subalpine habitats	Jessica Forrest	James Thomson
University of Virginia	Ecology	The determinants of pathogen distribution in natural populations: Anther smut on <i>Silene vulgaris</i> across an elevational gradient.	Jessica Abbate	Janis Antonovics
University of Virginia	Systematics/ Evolutionary Biology	Evolution of Color in <i>Thamnophis sirtalis</i>	Lelena Avila	Edmund Brodie
University of Virginia	Ecology	The Effects of Biodiversity and Nutrient Pulses on the Invasibility of Tallgrass Prairie by a Non-native Forb in Virginia	Robert Heckman	David Carr
University of Virginia	Physics/ Astronomy	Exploring the Stellar Halo of the Large Magellanic Cloud	David Nidever	Steven Majewski
University of Virginia	Ecology	Differential Effects of Introduced and Native Earthworms on the Forest Floor Faunal Community	Tami Ransom	Henry Wilbur
University of Washington	Ecology	Seasonality, thermal tolerance, and range size: understanding the distribution of tropical and temperate species across altitudinal gradients	Kimberly Sheldon	Joshua Tewksbury
University of Windsor	Behavioral Ecology	Ornamentation and mutual sexual selection in a Neotropical passerine bird	Jessica Cuthbert	Stephanie Doucet
University of Wisconsin-Madison	Hydrology/ Geomorphology	Seepage quantification and modeling of reservoir contribution to groundwater levels in the Nariarlé basin of Burkina Faso	Drew Gower	Jean Bahr

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University of Wisconsin-Madison	Petrology/ Geochemistry	Sub-annual resolution climate record of the eastern Mediterranean: Ion microprobe analysis of speleothems from Soreq Cave, Israel	Ian Orland	John Valley
University of Wisconsin-Madison	Ecology	Examining ecotypic variation in climate tolerance traits of <i>Lupinus perennis</i> , hostplant of the endangered Karner Blue Butterfly	Sarah Wright	Donald Waller
University of Wisconsin-Milwaukee	Paleontology/ Sedimentation	Paleoecology of the middle Cambrian eocrinoid echinoderm <i>Gogia spiralis</i> : Shifting substrate adaptation strategies through ontogeny	Mark Schlotke	Stephen Dornbos
University of Wyoming	Ecology	Consumptive and non-consumptive interaction strength estimates derived from population energetics: Impacts of brook trout on prey productivity	Benjamin Koch	Robert Hall
University of Wyoming	Ecology	Dynamics of tree colonization: spatial and temporal patterns of ponderosa pine expansion	Mark Lesser	Stephen Jackson
Vanderbilt University	Anthropology	Community and Identity in the Andean Late Prehispanic Period: Ceramic Analysis at the Pukara de Khonkho, Bolivia	Jennifer Zovar	John Janusek
Villanova University	Cell Biology/ Biochemistry	Adaptive response of Japanese Quail ( <i>Coturnix coturnix japonica</i> ) to cold-acclimation: localization of avian UCP in skeletal muscle mitochondria	Brenda Czerwinski	John Olson
Villanova University	Behavioral Ecology	Parasitism of an ant-acacia mutualism by an herbivorous jumping spider.	Christopher Meehan	Robert Curry

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Villanova University	Physiology/ Functional Morphology	Phenotypic analysis of transcriptional co-activator, brd2, gene knockdowns in zebrafish ( <i>Danio rerio</i> ) embryos	Tami Murphy	Andela Di Benedetto
Virginia Commonwealth University	Ecology	Non-lethal Effects of Predators and Competition on Growth Efficiency	Sarah Crane	James Vonesh
Virginia Commonwealth University	Ecology	The 'ecology of fear': Colonization and aquatic subsidies	Leeanna Pletcher	James Vonesh
Virginia Polytechnic Institute and State University	Physiology/ Functional Morphology	Effects of acyl-dystrophy induced by ACSL1 adipose-specific knock out mouse.	Jessica Ellis	Rosalind Coleman
Virginia Polytechnic Institute and State University	Cell Biology/ Biochemistry	Studies on structural transitions-mediated circadian transcription factor function	Andrew Lucas	Carla Finkielstein
Virginia Polytechnic Institute and State University	Engineering	Fate of Omega-3 Fatty Acids in Processed Dairy Products	Margaret Orders	Parameswarakumar Mallikarjunan
Virginia Polytechnic Institute and State University	Physiology/ Functional Morphology	Energetic costs of trematode metacercariae infection in larval amphibian intermediate hosts	Sarah Orlofske	William Hopkins
Virginia Polytechnic Institute and State University	Tectonics/ Geophysics	Characterization of 3-D vorticity and strain symmetry in the southern Appalachian Inner Piedmont: An exhumed orogenic hinterland?	James Thigpen	Richard Law
Washington State University	Ecology	Limits to species' distribution and persistence: A landscape genetics study of sympatric amphibians in Yellowstone National Park	Melanie Murphy	Andrew Storfer
Western Washington University	Petrology/ Geochemistry	Measurement of Metamorphic Kinetics through combined EPMA and Sm-Nd dating.	Jennifer Wright	David Hirsch

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Yale University	Conservation Biology	Genetic diversity of a possibly endangered Malagasy gecko species, <i>Lygodactylus mirabilis</i>	Jerry Guo	Ylenia Chiari