

Grants from the October 15, 2007 Deadline  
 Alphabetical by Subject

Subject	Student	Institution	Title	Advisor
Anthropology	Timothy Campbell	Sam Houston State University	GIS as a tool in paleoenvironmental reconstruction in southern Africa	Lewis, Patrick J.
Anthropology	Elizabeth Cooper	University of South Florida	Supplementary Feeding and the Perception of Benefits in Malaysian Borneo	Himmelgreen, David
Anthropology	Ben Ford	Texas A&M University-College Station	Lake Ontario Maritime Cultural Landscape Project	Crisman, Kevin J.
Anthropology	Ronda Graves	Florida Atlantic University	Skeletal Analysis of Human Remains from Plaza San Marcos, Quito, Ecuador: Evidence of Increases in Pathological Conditions and Injuries Associated with Colonialism and Capitalism	Brown, Clifford T.
Anthropology	Catherine Haradon	George Washington University	The faunal and ecological context of the Acheulean to Middle Stone Age transition	Potts, Richard B.
Anthropology	Bryn Letham	University of British Columbia	Using Percussion Coring to Explore the Developmental Sequence of a Early-Late Holocene Shell Midden on the Northern Northwest Coast	Martindale, Andrew
Anthropology	Lisa Overholtzer	Northwestern University	Household Spaces and Everyday Practices at Late Postclassic Xaltocan, Mexico	Brumfiel, Elizabeth M.
Anthropology	Elena Portacolone	University of California-San Francisco	The meaning of independence and interdependence among older adults	Newcomer, Robert J.
Anthropology	Kristina Walkup	Iowa State University	Causal Understanding of Tool Use by Orangutans	Pruetz, Jill D.
Behavioral Ecology	Victoria Arch	University of California-Los Angeles	Ultrasonic communication by a Bornean frog.	Narins, Peter M.
Behavioral Ecology	Felipe Barreto	University of California-Irvine	Male parental care as a sexually selected trait in a sea spider (Class Pycnogonida: Arthropoda)	Avise, John C.

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Behavioral Ecology	Joseph Burger	The University of Louisiana at Monroe	Testing the effects of food resource distribution and abundance on the spatial ecology and sociality of <i>Octodon degus</i>	Hayes, Loren D.
Behavioral Ecology	Julie Castner	Virginia Polytechnic Institute and State University	Does cultural divergence drive genetic divergence? A test in a tropical bird.	Moore, Ignacio T.
Behavioral Ecology	Erin Clancey	University of Idaho	Sex ratio bias in pronghorn ( <i>Antilocapra americana</i> ): results of a physiological process or an evolutionary adaptation?	Byers, John A.
Behavioral Ecology	Rebecca Clark	Arizona State University	Nutritional dynamics of leafcutter ant colonies: Characterizing the relationship between the fungal substrate and fungus growth	Fewell, Jennifer H.
Behavioral Ecology	Jennifer Gumm	Lehigh University	From individual behavior to population dynamics and back in the Comanche Springs pupfish ( <i>Cyprinodon elegans</i> )	Itzkowitz, Murray
Behavioral Ecology	Jennifer Hutchens	University of Utah	Is sunning behavior an adaptation for controlling ectoparasitic arthropods and microbes in bird plumage?	Clayton, Dale H.
Behavioral Ecology	Russell Ligon	Auburn University	Exploring the intra-specific signaling function of juvenal plumage	Hill, Geoffrey E.
Behavioral Ecology	Jacqueline Ma	California State University-Fresno	Does social deprivation trigger stress-related hyper-aggression?	Earley, Ryan L.
Behavioral Ecology	Brian Powell	Duke University	Investigating the Role of the Parietal Eye in Polarized Light Detection	Leal, Manuel
Behavioral Ecology	Clare Rittschof	University of Florida	Does group size affect male reproductive success in the golden orb spider?	Brockmann, H. J.

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Behavioral Ecology	Samantha Slattery	Villanova University	Influence of male song on mate choice in the Black-capped Chickadee ( <i>Poecile atricapillus</i> ) and Carolina Chickadee ( <i>P. carolinensis</i> ) hybrid zone	Curry, Robert L.
Behavioral Ecology	Daniel Speiser	Duke University	The function of chiton eyes: Predator detection and visual navigation.	Johnsen, Sonke
Behavioral Ecology	Laurie Stevison	Duke University	Sex mediated affects on recombination rate in different environments	Noor, Mohamed A.
Behavioral Ecology	Candice Torres	University of California-Berkeley	The effects of social parasitism by the slave-making ant, <i>Polyergus breviceps</i> , on the nestmate recognition system of its host <i>Formica altipetens</i>	Tsutsui, Neil
Behavioral Ecology	Daniel Wetzel	University of Kentucky	Causes and consequences of individual variation in parental care in the Eastern Bluebird.	Westneat, David F.
Cell Biology/Biochemistry	Sharon Altmann	University of Wisconsin-Madison	Investigating the role of viral envelope glycolipids in the inhibition Vaccinia virus entry by a novel antiviral peptide.	Brandt, Curtis R.
Cell Biology/Biochemistry	Palak Amin	Pomona College	Identifying <i>Drosophila</i> RabGDI interactors by tandem affinity purification – mass spectrometry	Cheney, Clarissa M.
Cell Biology/Biochemistry	Christine Ardito	State University of New York at Stony Brook	Exploring the Role of A disintegrin and Metalloprotease-10 (ADAM-10) and the Notch Pathway in Pancreatic Development and Tumorigenesis	Crawford, Howard C.
Cell Biology/Biochemistry	Jeffrey Barr	University of South Dakota	The Effects of Repeated Amphetamine on Adult Neurogenesis in the Rat Hippocampus	Forster, Gina L.

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Cell Biology/Biochemistry	Joel Baumgart	University of Virginia	Structural Determinants in the Gating and Surface Expression of Low Voltage-activated Calcium Channels	Perez, Enrique E.
Cell Biology/Biochemistry	Sarah Bortvedt	University of Portland	New Approaches to Huntington's Disease Therapy: Combined Drug and Intracellular Antibody Treatments in a Drosophila Model	Ahern-Rindell, Amelia J.
Cell Biology/Biochemistry	Yevgeniya Byekova	Clemson University	Entamoeba histolytica: Characterization of the subcellular and ultracellular localization of phosphatidylinositol (3, 4, 5)-trisphosphate	Temesvari, Lesly
Cell Biology/Biochemistry	Lesley Chapman	Duke University	The Role of Antimalarial Drugs in the Spontaneous Uptake of Endogenous Human MicroRNAs by Erythrocyte-Stage Plasmodium falciparum: Unveiling Novel Molecular Components that Enhance Antimalarial Drug Efficacy	Chi, Jen-Tsan A.
Cell Biology/Biochemistry	Karthikeyani Chellappa	University of California-Riverside	Isoform specific phosphorylation of HNF4 alpha by Src paly a role in Human colon cancer	Sladek, Frances M.
Cell Biology/Biochemistry	Sarah DeVos	Central Michigan University	Creation of a Calpain-Resistant Form of Tau in Drosophila	Steinhilb, Michelle L.
Cell Biology/Biochemistry	Jonathon Diulio	Widener University	The effect of acid exposure on bactericidal action of blood in Rana pipiens.	Vatnick, Itzick
Cell Biology/Biochemistry	ZEYNEP FIRTINA	University of Delaware	The role of the Unfolded Protein Response in cataractogenesis	Duncan, Melinda K.
Cell Biology/Biochemistry	Samuel Fox	Oregon State University	FLK guides RNA processes necessary for the initiation of flowering in Arabidopsis	Mockler, Todd C.

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Cell Biology/Biochemistry	Steven Hart	University of Kansas Medical Center	MUTATIONS IN CYTOCHROME P450 OXIDOREDUCTASE INFLUENCE MICROSOMAL P450-CATALYZED DRUG METABOLISM	Zhong, Xiaobo
Cell Biology/Biochemistry	Jeremy Jones	University of Wisconsin-Madison	Exploration of a Novel Vaccine Adjuvant for Highly Virulent H5N1 Influenza Viruses	Schultz-Cherry, Stacey L.
Cell Biology/Biochemistry	Jennifer Kiger	Wake Forest University	Deciphering the Role of Sub-cellular Compartmentalization of Proteins involved in Oxalate Metabolism	Holmes, Ross P.
Cell Biology/Biochemistry	Kai Mao	University of South Dakota	Autophagy in Diabetic Cardiomyopathy	Liang, Qiangrong
Cell Biology/Biochemistry	Ashley McCartney	Albertson College of Idaho	Investigation of the Role of 17- $\beta$ Estradiol in Cadmium-Induced Osteotoxicity	Heggland, Sara J.
Cell Biology/Biochemistry	William McLamb	Florida Institute of Technology	Characterizing the Role of Transient Receptor Potential Ion Channels in Infrared Thermosensation of Python Pit Organs	Grace, Michael S.
Cell Biology/Biochemistry	Benjamin Miller	Indiana University Bloomington	Regulation of synaptic glutamate to restore striatal neuronal output in the R6/2 mouse model of Huntington's disease	Rebec, George V.
Cell Biology/Biochemistry	Gauri Nayak	Florida Atlantic University	Analyzing the role of Neuroglobin in the brain of the anoxia-tolerant turtle <i>Trachemys scripta elegans</i>	Milton, Sarah L.
Cell Biology/Biochemistry	Andrea Pruijssers	University of Georgia	Viral genes as candidate inhibitors of insect growth	Strand, Michael R.
Cell Biology/Biochemistry	Teisha Rowland	University of California-Santa Barbara	The Role of Integrins in the Differentiation of Human Embryonic Stem Cells to Retinal Pigment Epithelial Cells	Clegg, Dennis O.

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Cell Biology/Biochemistry	Christy Strong	University of Montana	Effects of 5'UTR splicing and 5' UTR Long-Distance Interactions (LDI) on HIV-2 translation	Lodmell, J. Stephen
Cell Biology/Biochemistry	Matthew Surdel	Davidson College	Identification of the Unknown Transcription Factor of the CD4 Promoter	Sarafova, Sophia D.
Cell Biology/Biochemistry	Bradley Winters	Mesa State College	Methylation and Membrane Association of Prenylated G-proteins	McQuade, Kyle J.
Cell Biology/Biochemistry	Qiaqia Wu	Middlebury College	The Expression of Catalase and Glutathione Peroxidase in Granulosa Cells: Variations during folliculogenesis and their implications for the development of good quality oocytes.	Combelles, Catherine M.
Chemistry	Melissa Doolin	Eastern Michigan University	GC-MS Analysis of Possible Binders in Rock Paintings: Protein Extraction and Purification and Comparisons to Authentic Pictographs.	Armitage, Ruth Ann
Chemistry	Emma McInturff	Boise State University	Probing cellular interactions of synthetic aziridinomitosenes through confocal microscopy	Warner, Don L.
Chemistry	Sampada Upadhye	University of Mississippi	Transmucosal Matrix Patch as a delivery system for $\Delta^9$ -Tetrahydrocannabinol hemisuccinate prodrug of $\Delta^9$ -Tetrahydrocannabinol	Repka, Michael A.
Chemistry	Sarah Yoon-Miller	Hobart and William Smith Colleges	Solid-Phase Synthesis of Biologically Active Nitrogen Heterocycles	Pelkey, Erin T.
Computer Science/Mathematics	Yevgen Borodin	State University of New York at Stony Brook	Comparative evaluation of the HearSay non-visual Web browser in navigation, form filling, and online transactions.	Ramakrishnan, IV

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Conservation Biology	Catherine Bodinof	University of Missouri-Columbia	Long-Term Changes in Prevalence of Hellbender Abnormalities	Millspaugh, Joshua J.
Conservation Biology	Christine Bruno	California State University-Northridge	Geographic trends in photolyase activity and the sublethal effects of UV-B exposure in the Andean toad	Espinoza, Robert E.
Conservation Biology	Toby Daly-Engel	University of Hawaii at Manoa	Multiple paternity in a rare deep-water shark ( <i>Squalus mitsukurii</i> )	Gavey, Karen A.
Conservation Biology	Molly Dickens	Tufts University	Understanding the "stress" of translocation: how a commonly used conservation tool impacts a wild animal's Fight-or-Flight response.	Romero, L. M.
Conservation Biology	Luke Dodd	University of Kentucky	Application of genetic techniques for detection of prey of forest-dwelling bats.	Rieske-Kinney, Lynne K.
Conservation Biology	James Forson	Sam Houston State University	Analysis and comparison of invertebrate faunas from cave sites in Botswana	Lewis, Patrick J.
Conservation Biology	Brian Gerber	University of Massachusetts Amherst	Using camera-traps and surveys of traditional knowledge to estimate population abundance, density, and occupancy of threatened and endangered carnivores in southeastern Madagascar to best design landscape level conservation strategies.	Karpanty, Sarah M.
Conservation Biology	Chelsea Maier	Warren Wilson College	Thyroid Hormone, Epinephrine, Norepinephrine, and Ca <sup>2+</sup> Concentration Changes in Blood Plasma of the American alligator ( <i>Alligator mississippiensis</i> ) in Response to Acute Stress	Collins, Victoria P.
Conservation Biology	Janne Thoft Nielsen	University of Miami	Recruitment of Loggerhead Turtles ( <i>Caretta caretta</i> ) to a Foraging Area in Quintana Roo, Mexico.	Gaines, Michael S.

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Subject	Student	Institution	Title	Advisor
Conservation Biology	Stephanie Sell	Central Michigan University	Investigating population structure and philopatry in ringed seals ( <i>Phoca hispida</i> ) during the breeding season	Swanson, Bradley J.
Ecology	Christina Alba-Lynn	Colorado State University	Does delayed seed germination act to facilitate <i>Verbascum thapsus</i> invasion in variable environments?	Detling, James K.
Ecology	Ginger Allington	Saint Louis University	The impact of soil nitrogen on perennial grass establishment in an arid grassland	Valone, Thomas J.
Ecology	Maria Arteaga	Universidad Nacional Autonoma de Mexico	Population genetics and dispersal pattern of the nine-banded armadillo ( <i>Dasyus novemcinctus</i> ) in Mexican ecosystems	Medellin, Rodrigo
Ecology	Paola Barriga	University of Arkansas at Fayetteville	Stable isotopic enrichment as a function of life history stage and diet quality in laboratory populations of <i>Solenopsis invicta</i> (Hymenoptera: Formicidae)	Sagers, Cynthia L.
Ecology	Brandeis Brown	State University of New York College of Environmental Science and Forestry	Assessing recovery and composition of a potential macroinvertebrate community following remediation in a polluted urban lake	Schulz, Kimberly L.
Ecology	Jessi Brown	University of Nevada, Reno	Family Planning in the American Kestrel: Experimental Manipulation of Parent Condition and its Effects on Reproductive Decisions	Collopy, Michael W.
Ecology	Carol Chaffee	University of Florida	Corals, algae and microbes: using molecular tools to illuminate an ecological interaction	Osenberg, Craig W.
Ecology	Michael DeSalvo	University of California-Merced	A genomic and physiological approach to the study of coral bleaching tolerance	Medina, Monica

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Ecology	Sarah Donnelly	Southern Illinois University-Carbondale	"Vegetated Rooftops in Urban Communities with Emphasis on Quality of Stormwater Runoff"	Ebbs, Stephen
Ecology	Evan Ewers	American University	Using Metabolic and Molecular Tests to Assess the Role of Polycyclic Aromatic Hydrocarbons in a Heavily Polluted Urban River	Bushaw-Newton, Karen L.
Ecology	Emily Follansbee	Union College	Test of a specific technique to reduce the impact of <i>Alliaria petiolata</i> on growth of a native tree seedling	Corbin, Jeffrey D.
Ecology	Shane Geange	Victoria University of Wellington	Resource Use, Phylogeny, and Priority Effects in Reef Fishes	Shima, Jeffrey S.
Ecology	Marcus Griswold	University of Florida	Evaluating the effects of reforestation on aquatic foodwebs and ecosystem function in riparian zones	Crisman, Thomas L.
Ecology	Alison Hale	University of Pittsburgh	Facilitation of invasion by a mutualism to parasitism shift in the arbuscular mycorrhizae-native plant relationship	Kalish, Susan
Ecology	Cyd Hamilton	Arizona State University	Hybrid Endophytes Alter Host Response to Abiotic Variation	Faeth, Stanley H.
Ecology	Liz Harp	Colorado State University	Functional genetic diversity and pathogen resistance in black-tailed prairie dogs	Antolin, Michael F.
Ecology	Laura Hurley	Arizona State University	Effect of photoperiod and N-methyl-D-aspartate on temperate breeding Cassin's Sparrow ( <i>Aimophila cassinii</i> ): an intraspecies comparison to a desert population	Deviche, Pierre J.
Ecology	Issmat Kassem	University of Toledo	The Occurrence and Survival of Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) in Fresh Water.	Sigler, Von

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Ecology	John Kim	Duke University	Carbon and water tradeoffs from invasion of woody plants across the precipitation gradient in South Africa	Jackson, Robert B.
Ecology	Kyra Krakos	Washington University in St. Louis	Generalization and specialization of plant-pollinator interactions in <i>Oenothera</i>	Raven, Peter H.
Ecology	Megan Linthicum	University of California-Davis	Comparison of soil sterilization methods for rhizobial research	Stanton, Maureen L.
Ecology	Maria del Pilar Lopera Blair	University of South Florida	Reproductive isolation in sympatric <i>Bursera</i> ( <i>Burseraceae</i> ) species in a tropical dry forest, Mexico	Fox, Gordon A.
Ecology	Jamie MacKay	University of Auckland	Improving the success of house mouse eradication attempts on islands	Hauber, Mark E.
Ecology	Kumar Mainali	University of Texas at Austin	Global change impacts on species' range and community structure of plants in the Himalayas	Parmesan, Camille
Ecology	Rebecca Martone	Stanford University	Geographic variation in individual performance: effects of oceanographic conditions on bioenergetic tradeoffs in benthic marine herbivores	Micheli, Fiorenza
Ecology	Birgitte McDonald	University of California-Santa Cruz	Antarctic fur seal reproductive biology: Impacts of maternal traits on reproductive effort	Costa, Daniel P.
Ecology	Ryan McManamay	Virginia Polytechnic Institute and State University	The effect of morphological restoration on the fish and macroinvertebrate assemblage structure in a fragmented river system.	Orth, Donald J.
Ecology	Sarah McMenamin	Stanford University	Amphibian Population Responses to Habitat Variation and Climatic Change in the World's Oldest National Park	Hadly, Elizabeth A.

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Ecology	Megan Poulette	University of Kentucky	Single-tree effects of savanna trees and invasive species on soil biota	Crowley, Philip H.
Ecology	Guangqiu Qin	Texas Tech University	Interaction of predator stressors and the insecticide malathion on larval West Nile virus vector mosquitoes	Maul, Jonathan D.
Ecology	Erin Reardon	McGill University	The Energetic Costs of Mouth-brooding in Divergent Oxygen Environments	Chapman, Lauren J.
Ecology	Ryan Roy	University of Illinois at Springfield	Using redox potential to culture sediment bacteria	Lemke, Michael J.
Ecology	Christian Salcedo	University of Florida	Behavior, mimicry, and chemical ecology as joint forces driving speciation in tropical mimicry systems	Emmel, Thomas C.
Ecology	Amy Savage	Rice University	Anoplolepis gracilipes invasion of the Samoan Archipelago: Can mutualisms with native plants amplify ecological consequences?	Rudgers, Jennifer A.
Ecology	Shinichi Sunagawa	J W Goethe-Universitat	A systems biology approach to the study of the microbial community composition and host gene expression in the coral holobiont during thermal stress and disease events	Medina, Monica
Ecology	Eileen Thorsos	Duke University	Do wetland plant species shape soil emissions of the greenhouse gas methane via root carbon exudation?	Jackson, Robert B.
Ecology	Craig van der Heiden	Florida Atlantic University	Spatial-Temporal Variation in Crayfish ( <i>Procambarus fallax</i> ) Dispersal in Response to Hydrological Pulse	Noonburg, Erik G.
Ecology	Jessica Waite	University of Utah	Blood parasite biodiversity in China: predicting species coextinction rates	Clayton, Dale H.

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Ecology	Kyle Whittinghill	University of Minnesota, Twin Cities	Modeled Organic Matter Processing in Arctic Hillslopes	Hobbie, Sarah E.
Engineering	Jennifer Blundo	Stanford University	Validation of a Stretchable Electromechanical Membrane for Regenerating Cardiac Cells	Pruitt, Beth L.
Engineering	Yen-chi Chen	University of Utah	Nanoreactors for Hydrogen Peroxide Detection in Blood	Ostafin, Agnes E.
Engineering	Saad Hasan	Vanderbilt University	Fabrication of Macroscopic Freestanding All-Nanoparticle Thin Films and Investigation of their Physical Properties	Dickerson, James H.
Engineering	Chang-won Lee	University of Utah	Infrared emitting gold quantum dots for in vitro imaging	Ostafin, Agnes E.
Engineering	Siddhartha Pathak	Drexel University	Matrix level structure-property linkages in bone	Kalidindi, Surya R.
Engineering	Denver Pyle	Virginia Polytechnic Institute and State University	Use of Biodiesel-Derived Crude Glycerol for Production of Omega-3 Fatty Acids by Algal Fermentation	Wen, Zhiyou
Engineering	Edward Swanson	McGill University	Stabilization of Metal-Water Nanofluids by Plasma Enhanced Surface Functionalization	Coulombe, Sylvain
Engineering	Saumitra Vajandar	Vanderbilt University	Porous Silicon Electro-osmotic Pumps with Gate Controlled Flow Rate Modulation	LI, DEYU
Hydrology/Geomorphology	Gordon Bromley	University of Maine, Orono	Glacier fluctuations and climate change in the southern Peruvian Andes	Hall, Brenda L.
Hydrology/Geomorphology	Michael Howley	University of New Hampshire	A high-resolution chronology of Holocene glaciation in the central Alaska Range using in situ-produced cosmogenic Be-10 and lichenometry.	Licciardi, Joseph M.

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Paleontology/Sedimentation	Maria Caffrey	University of Tennessee-Knoxville	A 12,000 Year Record of Pre-Columbian Environmental Change from Highland Guatemala	Horn, Sally P.
Paleontology/Sedimentation	Bradley Markle	Pomona College	Did Lake Elsinore (Riverside County, CA) experience a rapid regression during the Last Glacial Maximum (ca. 19,200 c.y. BP)?	Lackey, Hilary S.
Paleontology/Sedimentation	Christy Visaggi	University of North Carolina at Wilmington	Latitudinal Variation in Drilling Predation of Eastern South American Mollusks: Spatial Implications for Patterns of Evolution in the Fossil Record	Kelley, Patricia H.
Paleontology/Sedimentation	Heather Wall	Syracuse University	Is molluscan turnover related to increased seasonality at the middle-late Eocene boundary in the U.S. Gulf Coastal Plain?	Ivany, Linda C.
Petrology/Geochemistry	Kean Bliss	San Diego State University	Evaluation of XRD and Raman peak broadening in shock-metamorphosed calcite and dolomite from selected carbonate-target bolide impact structures	Morrow, Jared R.
Petrology/Geochemistry	Molly Cornell	San Francisco State University	Petrologic analysis and material characterization of atypical blocky graphite from the southern Ural Mountains, Russia	Leech, Mary L.
Petrology/Geochemistry	Aaron Fitts	Western Washington University	Metamorphic and Structural Evolution of the Northwest Chelan Block, North Cascades, WA	Hirsch, David M.
Petrology/Geochemistry	Kimberly Genareau	Arizona State University	Volcanic Conduit Conditions that Contribute to Shock Wave Formation: A Geochemical and Textural Analysis of Eruptive Products.	Hervig, Richard L.

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Physics/Astronomy	Derek Eggiman	Worcester Polytechnic Institute	Mean-Value Method for Lateral Force Calibration	Burnham, Nancy A.
Physics/Astronomy	Eric Frey	Miami University Ohio	Fluorescence-based Calcium-ion Sensing At High Hydrostatic Pressures	Urayama, Paul K.
Physics/Astronomy	Pinshane Huang	Carleton College	The effect of alpha and beta Ta underlayers in giant magnetoresistance of permalloy/Cu thin films	Eblen-Zayas, Melissa A.
Physics/Astronomy	Sameer Mahajan	Vanderbilt University	Structural and optical characterization of sub-3 nm Eu <sub>2</sub> O <sub>3</sub> and Gd <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> nanocrystals	Dickerson, James H.
Physics/Astronomy	Ryan McKeown	Drexel University	Can muon spallation and a lead target be used to create a fast neutron source?	Lane, Charles D.
Physics/Astronomy	Laura Newburgh	Columbia University	Mapping the Cosmological CMB Polarization Signal with QUIET	Miller, Amber D.
Physics/Astronomy	Shawn O'Brien	University of Notre Dame	The study of the alpha-p and rp-processes through (p,t) reactions.	Wiescher, Michael
Physics/Astronomy	Adria Updike	Clemson University	Environments of Long Gamma Ray Bursts	Hartmann, Dieter H.
Physiology/Functional Morphology	Lynn Almi	University of Texas at Austin	Social Modulation of Cell Proliferation in the Brain of the Adult Green Treefrog ( <i>Hyla cinerea</i> )	Wilczynski, Walter
Physiology/Functional Morphology	Allen Ardestani	University of California-Los Angeles	ELECTROPHYSIOLOGY AND HEMODYNAMICS OF WORKING MEMORY	Fuster, Joaquin M.
Physiology/Functional Morphology	Michael Butler	Arizona State University	Immune function and development of sexual coloration in mallard ducks	McGraw, Kevin J.
Physiology/Functional Morphology	Joshua Dekker	Southern Utah University	The effect of diabetes mellitus on venous wall structure	Smetanka, Rachel D.
Physiology/Functional Morphology	María Di Yorio	Universidad de Buenos Aires	Leptin regulation on its receptors in the hypothalamus-pituitary-ovarian axis during the ovulatory process	Faletti, Alicia G.

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Physiology/Functional Morphology	Peter Dimoulas	University of British Columbia	The Contributions of Growth Hormone Upregulation to the Muscle Physiology of Transgenic Coho Salmon	Shadwick, Robert E.
Physiology/Functional Morphology	Jacob Fyda	University of Florida	Localization of 3-beta-hydroxysteroid dehydrogenase in the Chick Chorioallantoic Membrane	Guillette, Louis J.
Physiology/Functional Morphology	Shannon Gerry	University of Rhode Island	The Evolution of Asynchronous Jaw Muscle Activity in Elasmobranchs	Wilga, Cheryl D.
Physiology/Functional Morphology	Jill Hendon	University of Mississippi	Investigation into the Integrated Primary and Secondary Stress Response of Three Gulf of Mexico Species of Shark: <i>Rhizoprionodon terraenovae</i> (sharprnose shark), <i>Carcharhinus limbatus</i> (blacktip shark), <i>Carcharhinus isodon</i> (finetooth shark)	Parsons, Glenn R.
Physiology/Functional Morphology	Seunjgoo Park	University of South Florida	Inhibition of autoimmune pathology in the Type I diabetic mouse	Nolan, Michael F.
Physiology/Functional Morphology	Sehee Rim	Miami University Ohio	Investigation of Comparative Thigmotropic and Associated Morphologic Traits of <i>Fusarium</i> species and <i>Aspergillus</i> species, the Predominant Invasive Ocular Filamentous Fungi	Lee, Marcia R.
Physiology/Functional Morphology	Hayley Stafford	Catawba College	The Influence of Atmospheric CO <sub>2</sub> on the Calcification Rate of Developing Coral Planula.	Rogers Lowery, Constance L.
Physiology/Functional Morphology	James Waters	Arizona State University	An empirical test of the social efficiency hypothesis in ants	Harrison, Jon F.
Physiology/Functional Morphology	Kelly Zullig	Miami University Ohio	Prolactin as a mediator of hypothalamic-pituitary-adrenal cortex axis negative feedback	Callahan, Phyllis

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Psychology	Amber Ankowski	University of California-Los Angeles	The Effect of Language on Children's Landmark Search Strategies	Blaisdell, Aaron P.
Psychology	Kathryn Borsheim	Lindenwood University	Yesterweek: accuracy of delayed recall in the context of eyewitness testimony	Nohara-LeClair, Michiko
Psychology	Jenalee Coster	St Mary's College of Maryland	The Potential Benefits of Free-running Exercise in the Acquisition of a Learning Set in Long-Evans Rats with Quisqualic Acid Lesions to the Nucleus Basalis Magnocellularis	Bailey, Aileen M.
Psychology	Frank Gallo	University of Wisconsin-Milwaukee	Executive Functioning in Young Children with Williams Syndrome	Klein-Tasman, Bonita P.
Psychology	Valeschka Guerra	University of Kent at Canterbury	The influence of culture and religiosity on morality	Giner-Sorolla, Roger S.
Psychology	Melanie Hoy	Duke University	Appearance as Defining the Self: The Development of Structure and Centrality in the Self System	Costanzo, Philip
Psychology	Trevor Logan	St. Mary's College of Maryland	The Effect of Continuous Beta-amyloid Protein Infusion into the Rat Cerebral Ventricle on Learning Set Acquisition	Bailey, Aileen M.
Psychology	Maria Maust	Hunter College of The City University of New York	Vocal Communication and Possible Use of Echolocation by the Hippopotamus (Hippopotamus amphibius)	Reiss, Diana L.
Psychology	Teresa Micheli	George Mason University	Hippocampal deficits due to elevated zinc consumption.	Flinn, Jane M.
Psychology	Kartik Ramamoorthi	Rutgers, The State University of New Jersey	Gene Expression Changes in Ventral and Dorsal Hippocampus Induced By Trace Fear Conditioning	Otto, Tim
Psychology	C. Schussler-Fiorenza	University of Wisconsin-Madison	Improving Women's Health by Using an Electronic Pelvic Floor Questionnaire	Gangnon, Ronald

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Subject	Student	Institution	Title	Advisor
Psychology	Anna Tolentino	University of South Florida	Are All Good Soldiers Created Equal? Examining the "Why" that Underlies Organizational Citizenship Behavior: The Development of an OCB Motives Scale	Johnson, Russell E.
Systematics/Evolutionary Biology	Devin Bloom	University of Toronto	Differential rates of evolution in marine and freshwater lineages of fishes	Lovejoy, Nathan R.
Systematics/Evolutionary Biology	Curtis Burney	Louisiana State University-Baton Rouge	Comparative phylogeography of Neotropical birds: testing the role of biogeography, demography, and ecology in shaping geographic patterns of genetic differentiation.	Brumfield, Robb T.
Systematics/Evolutionary Biology	Amanda Cass	Cornell University	Expression of a tetrapod lung marker in the zebrafish swimbladder: evidence for homology?	McCune, Amy R.
Systematics/Evolutionary Biology	Jason DeBerry	West Virginia University	Exploring synergistic activities among the microbial symbionts, <i>Wigglesworthia glossinidia</i> and <i>Sodalis glossinidius</i> , in the tsetse fly (Diptera: Glossinidae).	Rio, Rita V.
Systematics/Evolutionary Biology	David Garfield	Duke University	Germline sequestration and senescence: a test in sea urchins	Wray, Gregory A.
Systematics/Evolutionary Biology	David Hembry	University of California-Berkeley	Coevolution and diversification in an obligate mutualism: Glochidion trees (Phyllanthaceae) and their pollinating moths (Gracillariidae: Epicephala) in the Society Islands, French Polynesia	Gillespie, Rosemary G.

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Subject	Student	Institution	Title	Advisor
Systematics/Evolutionary Biology	Santiago Herrera	Universidad de los Andes	Genetic connectivity across the deep ocean: Phylogeography and genetic diversity of the cosmopolitan bubblegum coral <i>Paragorgia arborea</i> (Linnaeus)	Sanchez, Juan A.
Systematics/Evolutionary Biology	Susan Johnson	University of Maryland, College Park	A window into the past: Using reproductive soldiers of the ancient termite genus <i>Archotermopsis</i> to elucidate the evolution of eusociality in insects.	Thorne, Barbara L.
Systematics/Evolutionary Biology	Joanna Kelley	University of Washington	Functional analysis of adaptive diversification in type III antifreeze proteins	Swanson, Willie J.
Systematics/Evolutionary Biology	Anastasia Kyvelidou	University of Nebraska at Omaha	Sensory Information and Sitting Postural Control of Infants	Stergiou, Nick
Systematics/Evolutionary Biology	Stuart Nielsen	Villanova University	Morphological Systematics of the Geckos of New Zealand	Bauer, Aaron M.
Systematics/Evolutionary Biology	Suegene Noh	University of Connecticut	Investigating species boundaries and the role of mating signals during lineage divergence in European green lacewings of the <i>Chrysoperla carnea</i> group (Neuroptera: Chrysopidae)	Henry, Charles S.
Systematics/Evolutionary Biology	Kimberly Paczolt	Texas A&M University- College Station	Hox gene expression and the evolution of body pattern in pipefishes	Jones, Adam G.
Systematics/Evolutionary Biology	Victor Schmidt	University of North Carolina at Wilmington	Gamete Incompatibility and the Sexual Conflict Hypothesis in Hybridizing Blue Mussels	McCartney, Michael A.
Systematics/Evolutionary Biology	Sunni Taylor	Texas State University- San Marcos	Homoploid hybrid speciation in Louisiana Iris	Martin, Noland H.
Systematics/Evolutionary Biology	Laura Wegener Parfrey	University of Massachusetts Amherst	Differential Genome Processing in Foraminifera	Katz, Laura A.

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Subject	Student	Institution	Title	Advisor
Tectonics/Geophysics	Jackie Langille	Central Washington University	Testing a channel-flow model using electron-backscatter diffraction investigations of middle-crustal rocks, Mabja Dome, southern Tibet	Lee, Jeffrey
Tectonics/Geophysics	Joel Lowry	New Mexico Highlands University	Paleomagnetic Baked Contact Test of a Permo-Carboniferous Dike Intruding the Ross of Mull Granite, Isle of Mull, NW Scotland	Petronis, Michael S.
Tectonics/Geophysics	Ryan McKeon	Montana State University-Bozeman	The interaction between climate, tectonics, and topography in the San Juan Mountains of southwestern Colorado, U.S.A.	Lageson, David R.
Tectonics/Geophysics	Nicholas Swanson-Hysell	Princeton University	Detailed magnetostratigraphy of Keweenawan volcanics at Mamainse Point: reevaluating reversal asymmetry of the paleo-geomagnetic field in the late Mesoproterozoic	Maloof, Adam C.