

## GRANTS IN AID OF RESEARCH AWARDS (GIAR)

March 2024 Grant Cycle  
Grant Recipients by State/Country

ALABAMA					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Silvia	Carboni	Doctoral Student	The University of Alabama	Anthropology	Exploring the Interplay between Olfaction and Microbes in two Sympatric Species of Wild Peruvian Tamarins
Oluwatobi	Fijabi	Doctoral Student	The University of Alabama	Ecology	Wolbachia and Metabolic Fitness in Drosophila: A Natural Diet Narrative
Nolan	McKibben	Undergraduate Student	The University of Alabama	Cell Biology/Chemistry	Maternal Supplementation of Lutein on Retinopathy of Prematurity: A Pre-Clinical Study in the Golden Mouse Model for Carotenoid Research
Johanna	Nelson	Masters Student	The University of Alabama	Behavioral Ecology	Parental care and its role in shaping offspring phenotype: does developmental stage of offspring matter?
Laney	Woynarowski	Undergraduate Student	The University of Alabama	Behavioral Ecology	The Effects of Microplastics on Sex Ratios of the Mangrove Rivulus
CALIFORNIA					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Melissa	Palmisciano	Doctoral Student	Stanford University	Ecology	Effects of ocean acidification on disease incidence in Posidonia oceanica
Amelia	Ritger	Doctoral Student	University of California-Santa Barbara	Ecology	Unifying traditional knowledge and climate science to monitor climate change impacts on a cultural keystone species
CANADA					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Silvia	Carboni	Doctoral Student	University of Calgary, Alberta	Anthropology	Exploring the Interplay between Olfaction and Microbes in two Sympatric Species of Wild Peruvian Tamarins
Nicole	Chrysler	Undergraduate Student	University of Toronto, Ontario	Cell Biology/Biochemistry	Investigating the Role of CD4+CD57+PD-1+ T Cells in Lung Allograft Dysfunction

CANADA CONT.					
Holly	Gamblin	Doctoral Student	University of Manitoba, Manitoba	Ecology	Changing biomes: Implications of a rapidly shifting landscape on Arctic fox dynamics
Jacob	Haney	Doctoral Student	University of Toronto, Ontario	Behavioral Ecology	The influence of plastic pollution on fish behavior in freshwater boreal lakes
Mehriban	Jafarova	Doctoral Student	Trent University, Ontario	Ecology	Unravelling the drivers of atmospheric microplastic pollution across Europe using mosses
Erica	Kilius	Doctoral Student	University of Toronto, Ontario	Anthropology	Sleep architecture and nighttime vigilance in a rural agropastoral community in South Africa
DELAWARE					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Tess	Avery	Masters Student	University of Delaware	Ecology	Developing an integrative tool kit for non-invasively assessing the diet of the Sand Tiger Shark and quantifying their effect on managed species in Delaware Bay
Sepideh	Cheheltani	Doctoral Student	University of Delaware	Cell Biology/Biochemistry	Actin regulation of the Aquaporin 0 water channel in the eye lens
Xihan	Qin	Doctoral Student	University of Delaware	Computer Science/Mathematics	Improving Disease Comorbidity Prediction using Biologically Supervised Embedding on Human Interactome
DENMARK					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Andrea	Valentini	Doctoral Student	Technical University of Denmark	Physics/Astronomy	Fast-ion phase-space tomography in D-T fusion plasmas at JET
DISTRICT OF COLUMBIA					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Arnold	Leigh	Doctoral Student	George Washington University	Cell Biology/Biochemistry	The Efficacy of the Systane iLux System on Preoperative Cataract Patients on Dry Eye Disease as a result of Meibomian Gland Dysfunction

**FLORIDA**

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Jonathan	Ballard	Undergraduate Student	Eckerd College	Physiology/Functional Morphology	Determining the Impact of Thermal Stress and Hypoxia on adult Stone Crab ( <i>Menippe mercenaria</i> )
James	Boothroyd	Doctoral Student	University of Florida	Behavioral Ecology	The extent of male reproductive trade-offs in dynamic nutritional environments
Kamil	Celoch	Doctoral Student	Florida International University	Psychology	Psychophysiological Regulation During Cycle Ergometry in Low-Tolerant Individuals
Laurel	Field	Doctoral Student	Florida State University	Conservation Biology	Investigating the drivers of differential coral bleaching event outcomes in Bonaire
Dakota	Lewis	Doctoral Student	University of Florida	Ecology	Quantifying the Effects of Extreme Heat Stress on Coral Reef Fish Trophic Dynamics

**GEORGIA**

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Marissa	Calvert	Masters Student	Georgia Southern University	Ecology	Investigating Impacts of Climate Change on Southeast Coastal Plain Vegetative Phenology
Callie	Mauersberg	Masters Student	Georgia Southern University	Systematics/Evolutionary Biology	Long-term microplastic persistence in neural tissues of <i>Danio rerio</i>
Raphael Ren-Yian	Shu	Undergraduate Student	Emory University	Cell Biology/Biochemistry	Characterizing inflammasome signaling crosstalk in cutaneous skin carcinoma

**ILLINOIS**

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Kester	Anyang	Doctoral Student	Illinois Institute of Technology	Physics/Astronomy	Low Mass Particle Dark Matter Detection With Quantum Sensors
Emily	Hillan	Doctoral Student	University of Chicago	Systematics/Evolutionary Biology	Investigating the Genetic Regulation of Pelvic Girdle Development in Zebrafish
Eric	Solhaug	Doctoral Student	University of Chicago	Physics/Astronomy	Deciphering the Hydrogen Ly $\alpha$ Line in Early Universe Galaxies

INDIANA					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Surabhi	Abhyankar	Doctoral Student	Purdue University	Cell Biology/Biochemistry	APOE4-Induced Mitochondrial Impairment and Kir4.1 Downregulation in Rat Müller Cells
Sachin Anil	Ghah	Doctoral Student	Indiana University-Bloomington	Cell Biology/Biochemistry	Determine the mechanism by which SLC4A11 is trafficked to the lysosomes.
Joshua	Watkins	Doctoral Student	Indiana University-Bloomington	Physiology/Functional Morphology	The Effects of Xylazine on Fentanyl-induced Respiratory Depression
IOWA					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Amruta Shashikant	Vaghela	Doctoral Student	Iowa State University	Engineering	Investigating the Molecular Fingerprint of Crenulated Wavy Enamel (CWE) in Hadrosaurid Dinosaurs
KENTUCKY					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
August	Bozarth	Undergraduate Student	Northern Kentucky University	Chemistry	PLAL-synthesized composite Au-TiO <sub>2</sub> nanoparticles as catalysts for biomass oxidation
Hansika	Herath	Doctoral Student	University of Kentucky	Physiology/Functional Morphology	Thermotolerance differences among different life stages of the tropical plant <i>Marchantia inflexa</i>
MASSACHUSETTS					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Christopher	Schmidt	Undergraduate Student	Northeastern University	Engineering	Investigating the permeability of bevacizumab across the blood-brain barrier for pediatric glioblastomas using vascularized microfluidic models
Emily	Weintraub	Doctoral Student	University of Massachusetts-Boston	Ecology	Nectar microbial communities and hydrogen peroxide plant defense: have microbes evolved resistance?

MICHIGAN					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Katie	Monske	Doctoral Student	Central Michigan University	Psychology	Training Self-control in a Rodent Model of ADHD
MISSOURI					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Danyang	Liu	Doctoral Student	Saint Louis University	Chemistry	Thermodynamic Characterization of RNA Duplexes Containing Inosine for Improved Structure Prediction
NEW JERSEY					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Michelle	White	Doctoral Student	Princeton University	Ecology	Developing a Machine Learning Platform for Field-Based Sweat Bee Species Identification
NEW YORK					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Surya	Marjit	Masters Student	CUNY City College	Cell Biology/Biochemistry	Sustained-Release Formulation of Adalimumab (SuRFA): Development of Injectable Depots With Temperature Stability and Extended Drug Delivery
Alexandria	Pequeno	Undergraduate Student	Cornell University	Ecology	Does Barley Yellow Dwarf Virus infection and drought affect aphid fecundity?
NORTH CAROLINA					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Garrett	Braniecki	Doctoral Student	University of North Carolina at Chapel Hill	Geosciences	Comparing Seasonal Sea Surface Temperatures from Oxygen Isotope Ratios and Clumped Isotopes Recorded in <i>Mercenaria</i> spp.
Austin	Butler	Masters Student	University of North Carolina at Charlotte	Anthropology	Vocal Responses to Olfactory Stimuli in Ruffed Lemurs ( <i>Varecia</i> spp.)
Alexandra	DeLuca	Masters Student	University of North Carolina at Wilmington	Conservation Biology	On Vole Patrol: The Quest for Rock Voles ( <i>Microtus chrotorrhinus</i> ) in the Spruce-Fir Forests of the Great Smoky Mountains National Park

OHIO					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Chloe	Chiu	Masters Student	Ohio State University- Main Campus	Physiology/Functional Morphology	Uncovering reproductive consequences of seasonal differences in mosquito ejaculate
Shannon	Dixon	Doctoral Student	Ohio State University- Main Campus	Conservation Biology	Does Underwater Zooplankton Enhancement Light Array (UZELA) Increase Coral Resilience to Bleaching?
Claire	O'Connell	Doctoral Student	University of Cincinnati-Main Campus	Behavioral Ecology	Quantifying relationship formation between strangers in monk parakeets
OKLAHOMA					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Muhammed Taha	Qureshi	Doctoral Student	University of Tulsa	Chemistry	Lewis Acid Catalyzed Unusual Diels-Alder Reaction
OREGON					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Michelle	Ozaki	Doctoral Student	Oregon Health & Science University	Cell Biology/Biochemistry	Postpartum liver fibroblasts in driving liver metastasis in young women's breast cancer
Daniel	Sheikh	Doctoral Student	Portland State University	Geosciences	Electron Backscatter Diffraction (EBSD) Study of Pink Spinel Anorthosite (PSA) Clasts in Lunar Dimict Breccia Northwest Africa (NWA) 15500: Constraints on PSA Petrogenesis and Shock Deformation History
PENNSYLVANIA					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Ran	He	Doctoral Student	Pennsylvania State University	Geosciences	Ironstones in the Appalachian Basin: Understanding Siderite Clumped Isotope Solid-state Reordering Kinetics Using Paleozoic Terrestrial Siderite Nodules

RHODE ISLAND					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Anagha	Lokhande	Doctoral Student	Brown University	Computer Science/Mathematics	Developing Race-Specific Artificial Intelligence Risk Models for Glaucoma Progression
TEXAS					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Luis	Hurtado	Undergraduate Student	Texas A & M University	Conservation Biology	Environmental DNA detection of an endangered moss
UNITED KINGDOM					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Aris	Dakanalis	Doctoral Student	University of College London	Physics/Astronomy	Encoding Astronomy into Engineering: The Antikythera Mechanism
VIRGINIA					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Oleksii	Dubovyk	Doctoral Student	Old Dominion University	Ecology	Nest type and urbanization level as predictors of foraging decisions in potential nest predators
Folly	Folivi	Masters Student	College of William and Mary	Psychology	Utility of EEG-based Neurometrics to Examine Cognitive Processes of Moral Injury and Moral Conviction
WASHINGTON					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Joe	Deckhut	Masters Student	Eastern Washington University	Systematics/Evolutionary Biology	Testing geographic isolation or range overlap between two Late Oligocene crocodylians, Australosuchus clarkae and Baru wickeni