

GRANTS IN AID OF RESEARCH AWARDS (GIAR)

October 2023 Grant Cycle

Grant Recipients by State/Country

Alabama

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Brynleigh	Payne	Undergraduate Student	Auburn University	Physiology/ Functional Morphology	Sequencing Sex Chromosome Telomeres to Quantify Sex-specific Aging in the Wild
Christel	Whitehead	Doctoral Student	University of Alabama at Birmingham	Cell Biology/Biochemistry	Explorations of Myoglianin's Role in Regulating Larval Growth in <i>M. sexta</i>

Arizona

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Reilly	Hammond	Masters Student	Arizona State University-Tempe	Conservation Biology	Contagious Cancer, Crotenoids, and Coloration in Sea Turtles

Arkansas

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
David	Adams	Undergraduate Student	University of Central Arkansas	Conservation Biology	Quantifying the Thermal Landscape of a Locally Imperiled Lizard
Madeline	Sudnick	Masters Student	University of Arkansas	Ecology	Differences in the transmission of <i>Mycoplasma gallisepticum</i> between naïve and previously infected birds

California					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Cindy	Fajardo	Masters Student	California State University-Northridge	Ecology	Assessing the Direct Effects of Aerial and Oceanic Temperature Variability on <i>Lottia gigantea</i> Grazing, Growth, and Metabolism and the Indirect Effects on Local Biodiversity
Jonathan	Juarez	Masters Student	California State University-Bakersfield	Ecology	Invasive <i>Ailanthus altissima</i> Leaf Decomposition in Freshwater Ecosystems and Impacts on Macroinvertebrate Communities
Erika	Lopez Lara	Doctoral Student	University of California-Los Angeles	Chemistry	Sustainable, Edible, And Cost-Effective Legume-Based Composite Scaffold For Hybrid Cultivated Meat

Delaware					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Somdeepa	Chakraborti	Doctoral Student	University of Delaware	Cell Biology/Biochemistry	To Investigate the Mechanism by Which Thrombospondin1 Regulates Fibrotic PCO
Suhotro	Gorai	Doctoral Student	University of Delaware	Cell Biology/Biochemistry	Molecular Mechanisms Driving Aniridia Associated Keratopathy
Amaili	Karunathilaka	Doctoral Student	University of Delaware	Cell Biology/Biochemistry	Fetal Therapy for Morquio A Syndrome with an AAV Vector Expressing Fc-GALNS Fusion Protein

Florida					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Monica	Lasky	Doctoral Student	University Florida	Ecology	Does Diet Partitioning Among African Herbivores Drive Species Coexistence?

Georgia					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Grace	Bennett	Undergraduate Student	Georgia Southern University	Chemistry	Exploring Mechanism of Inhibition of FDA-Approved Drugs and Derivatives on PRL3
Colin	Peterson	Doctoral Student	University of Georgia	Conservation Biology	Conserving Threatened Waterbirds in Madagascar: Leveraging Rice Fields for Environmental and Economic Development Win-wins
Isabella	Vahle	Masters Student	Kennesaw State University	Ecology	Effects of Dominant Herbaceous Species Removal and Prescribed Fire on the Soil Bacterial Microbiome in a Restoration Site for Longleaf Pine

Idaho					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Abu Sayeed	Chowdhury	Doctoral Student	Boise State University	Cell Biology/ Biochemistry	The Impact of Col $\alpha 1$ (XI) N-terminus Domain on Collagen Self-assembly Kinetics and Insights on the Molecular Interactions
Preston	Hazen	Doctoral Student	Boise State University	Cell Biology/ Biochemistry	The Effects of Deamidation on the Interactions of $\beta B 2$ - and $\beta A 3$ - Crystallin with Model Eye-Lens Lipid Membranes

Illinois					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Destiny	Etuk	Masters Student	Governors State University	Physiology/ Functional Morphology	Plastic Eating Wax Worms: Hope for Bioremediation

Iowa					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Michael	Kumar	Undergraduate Student	Iowa State University	Cell Biology/ Biochemistry	Directed Differentiation of Multipotent Retinal Progenitor Cells Using Electrical Stimulation
Olajesu	Olanrewaju	Doctoral Student	Iowa State University	Engineering	Directed Differentiation of Multipotent Retinal Progenitor Cells Using Electrical Stimulation

Massachusetts					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Deepshe	Dewett	Doctoral Student	University of Massachusetts	Cell Biology/ Biochemistry	Identification of Conserved Factors that Protect the Eye in Response to Environmental Stresses
Angela	Jones	Doctoral Student	Northeastern University	Physiology/ Functional Morphology	Armored Asteroids: Surface Complexity, Oxygen Consumption, and Keystone Efficacy of Sea Stars in Varying Environmental Conditions
Prasanth	Prakash Prabhu	Doctoral Student	Clark University	Ecology	Evaluating the Genetics of Nematode-trapping in the Wood-decaying Mushroom <i>Hohenbuehelia mastrucata</i>
Madeline	Szoo	Undergraduate Student	Northeastern University	Cell Biology / Biochemistry	Photodynamic therapy induced immunogenic cell death in a 3D heterotypic pancreatic tumor spheroid model and its potential in enhancing response to anti-PD-1 treatment
Ethan	Wong	Undergraduate Student	Northeastern University	Psychology	Development of a Digitized Neurophysiological Task for Neurocognitive Assessment in Mild Traumatic Brain Injury

Minnesota

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Paloma	Bravo	Undergraduate Student	Carleton College	Cell Biology / Biochemistry	Using CellROX™ Deep Red to assess BPA's impact in reactive oxygen species production in response to injury in zebrafish

Mississippi

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Jessica	Stamn	Doctoral Student	University of Mississippi	Behavioral Ecology	Understanding the Behavioral Effects of Perceived Predation Risk Across a 3-Dimensional Landscape

Missouri

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Moth	Castagna	Masters Student	Missouri State University-Springfield	Behavioral Ecology	Take it or Leaf it: Can Bees Learn to Use Leaf Shape to Find Flower Rewards?
Cass	Dedert	Doctoral Student	Saint Louis University	Cell Biology / Biochemistry	Progranulin Protects Against Hyperglycemia-induced Mitochondrial Dysfunction by Upregulating the PINK1/Parkin Mitophagy Pathway

New York

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Nora	Wagner	Undergraduate Student	St. Lawrence University	Physics/Astronomy	Examining Static Magnetic Field Orientation Effects on HT22 Cellular Proliferation

North Carolina

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Prince	Akonde	Masters Student	University of North Carolina at Wilmington	Geosciences	Sources of Arsenic in Groundwater, Porewater and Surface Waters in Matagorda- Galveston Bay Watershed in Texas
Maria	Creighton	Doctoral Student	Duke University	Behavioral Ecology	Influences of Social Characteristics on Foraging in a Variable Environment
Lev	Kolinski	Doctoral Student	Duke University	Anthropology	Does Market Integration Contribute to the Burden of Cardiovascular Disease in Northeast Madagascar?
Daniela	Trujillo	Masters Student	North Carolina State University	Anthropology	Diet, Inequality, and Ecological Change at the Nueva Esperanza Archaeological Site during the Late Muisca Period (11th to 17th century)

Ohio

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Hank	Kern	Undergraduate Student	Ohio State University-Main Campus	Cell Biology / Biochemistry	MG53 AAV Constructs as a Gene Therapy for Dysferlinopathies

Oklahoma					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Victoria	Roper	Doctoral Student	Oklahoma State University	Climate Science	Impact of Heat Stress on the Developing Microbiome and Physiology of Nestling Songbirds

Oregon					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Tin Long	Yiu	Doctoral Student	Oregon Health & Science University	Geosciences	The Role of Cerebellar Climbing Fibers in Sensory Discrimination

Pennsylvania					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Daphne	Bloom	Doctoral Student	University of Pennsylvania	Ecology	Non-structural Carbohydrates and their Effects on Reforested Ponderosa Pine Seedlings' Water Relations, Growth, and Survival
Denali	Kincaid	Doctoral Student	Pennsylvania State University- Main Campus	Geosciences	Effects of Deglaciation on Mantle and Magma Transport Processes: A PUB Perspective

Rhode Island					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Rebecca	Linhart	Doctoral Student	University of Rhode Island	Ecology	Birds and Blades: Assessing the Cumulative Effect of Offshore Wind Development on Shorebirds Across the Atlantic Flyway

South Carolina					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Tucker	Heptinstall	Masters Student	Clemson University	Systematics / Evolutionary Biology	Using Genomics to Understand Adaptation to Climate in a Model Ectothermic Species
Matthew	McTernan	Doctoral Student	Clemson University	Systematics / Evolutionary Biology	Venom Complexity within Garter Snakes and the Role of Diet in Toxin Diversification

Texas					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Natalie	Myers	Doctoral Student	Texas Christian University	Physics/Astronomy	Deriving Abundances for Heavy Elements in Distant Open Clusters
Will	Pratt	Doctoral Student	The University of Texas at Austin	Anthropology	Azolla as an Indicator of Nutrient Cycling and Aquatic Conditions in the Raised Fields of the Ecuadorian Highlands

Virginia					
First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Martha	Young	Undergraduate Student	College of William & Mary	Ecology	Switching Reproductive Modes in the Freshwater Jellyfish, <i>Craspedacusta sowerbii</i>

Washington

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Alexander	Novokhodko	Doctoral Student	University of Washington-Seattle Campus	Engineering	Nitrite and Nitrate Removal by Novel Liver Support System

Wisconsin

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Zachary	Gemelli	Doctoral Student	University of Wisconsin-	Psychology	Electrophysiological Dynamics of Proactive and Reactive Cognitive Control and their Association with Heterogeneous OCD Symptoms

International Grant Recipients By Country

Australia

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Heeva	Baharlou	Masters Student	University of Sydney	Cell Biology / Biochemistry	CD8+ T Cell Metabolic Dysregulation and its Role in Gut Barrier Dysfunction in Patients Living with HIV.

Canada

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Jerrica	Jameson	Doctoral Student	University of Tronto at Scarborough	Physiology / Functional Morphology	Flight Metabolism in Neotropical Nectivorous Bats
Saranya	Srikanthan*	Undergraduate Student	McMaster University	Physiology / Functional Morphology	A Review of Hamilton Health Sciences Radical Trachelectomy Cases and a Qualitative Study of the Information Needs of Patients who have Undergone Radical Trachelectomy

India

First Name	Last Name	Education Status	Institution	Field of Research	Study Title
Namratha	Ganiga	Undergraduate Student	Siddaganga Institutue of Technology	Physics/Astronomy	Investigation of Ferroptosis as the Mechanism of Hypothermia Induced Cell Death and Barrier Dysfunction in Cold Stored ex vivo Corneal Endothelium