

GRANTS IN AID OF RESEARCH AWARDS (GIAR)

October 2024 Grant Cycle
Grant Recipients by Discipline

ANTHROPOLOGY				
First Name	Last Name	Education Status	Institution	Study Title
Ming Fei	Li	Doctoral Student	University of Toronto	Sentinel role of dogs in a pastoral community experiencing nighttime risks
Morenike	Samuel	Doctoral Student	The University of Alabama	Journeying Through Pain: Exploring the Psychological Effects of Sickle Cell Anemia (SCA) in Lagos, Nigeria using a Syndemics Framework
Asa	Wong-Gómez	Masters Student	University of Florida	Sharing the Stock: Food Sharing in Turkana, Kenya
BEHAVIORAL ECOLOGY				
First Name	Last Name	Education Status	Institution	Study Title
Kiedon	Bryant	Doctoral Student	Texas A&M University	The Dads that Stepped Up: Examining the Neurogenetic Basis of Allopaternal Care in Darters
Amelia	James	Doctoral Student	The University of Tennessee Knoxville	How does competition affect thermoregulatory behavior in a small endotherm?
McKae	Sarkowski	Undergraduate Student	Auburn University	A novel experimental approach for studying sexual selection and male mate choice in wild turtles
CELL BIOLOGY/BIOCHEMISTRY				
First Name	Last Name	Education Status	Institution	Study Title
Antonio	Aleman	Undergraduate Student	Christian Brothers University	Impact of HuR regulation on Fat Oxidation Rates in Skeletal Muscle of Mice

CELL BIOLOGY/BIOCHEMISTRY CONT.

First Name	Last Name	Education Status	Institution	Study Title
Krishna	Basani	Undergraduate Student	McMaster University	Regulation of Extracellular Vimentin During Wound Healing in the Ocular Lens
Promita	Deb	Doctoral Student	University of Delaware	Role of $\alpha 5\beta 1$ integrin in the pathogenesis of fibrotic posterior capsular opacification
Qianting	Deng	Masters Student	South China Normal University	Beneficial effects of photobiomodulation against oxidative damage in Parkinson's disease
Nina	Donkor	Doctoral Student	University of North Texas Health Science Center	Impact of Inhibiting HDAC4/5 On Retinal Ganglion Cell Survival In a Mouse Model of Chronic Glaucoma
Yoshitaka	Furuta	Doctoral Student	Baylor College of Medicine	Testing the therapeutic potential of follistatin in restoring neurogenesis in Alzheimer's disease
Deeksha	Naik	Undergraduate Student	Siddaganga Institute of Technology	Investigation of the protective effects of AMPK activation against energy stress in cold-stored ex vivo donor corneal endothelium
Ishaan	Narsinghani	Undergraduate Student	Duke University	AV3: A Novel Approach to Counteracting Resistant Ae. Aegypti
Mahendra	Pawar	Doctoral Student	Pennsylvania State University	Predation stress: Understanding the Impact of Predation Risk on Prey Physiology
Anton	Pugel	Doctoral Student	Boise State University	Exploring the Contribution of Bone Marrow Stem Cells to Spermatogenesis
Julius	Tabin	Doctoral Student	Harvard University	Investigating Entomophthora muscae Infection and Manipulation Through Proteomics

CHEMISTRY

First Name	Last Name	Education Status	Institution	Study Title
Dawson	Bell	Doctoral Student	Boise State University	Unraveling Phloroglucinol's Superior Control of Heterogeneous Ice Nucleation
Arjun	Dheenan	Masters Student	University of Cincinnati	Hollow Fiber Membranes for Co-Delivery of Therapeutics

CLIMATE SCIENCE				
First Name	Last Name	Education Status	Institution	Study Title
Gillian	Smith	Undergraduate Student	Eckerd College	Do Caribbean King Crabs have the ability to physiologically tolerate thermal stress?
Alondra	Urrutia	Undergraduate Student	Universidad de Puerto Rico en Mayaguez	Tracking Abundance and Diversity of Marine Cyanophages Over Time In Coastal Waters of Puerto Rico
COMPUTER SCIENCE				
First Name	Last Name	Education Status	Institution	Study Title
Sankar Narayan	Misra	Doctoral Student	TCG CREST	Advances Segmentation, Coregistration, and Skull Stripping for Brain Tumor Treatment Planning Using Deep Learning Techniques
CONSERVATION BIOLOGY				
First Name	Last Name	Education Status	Institution	Study Title
Matthew	Coyle	Doctoral Student	Northern Arizona University	Assessing the Physiological Impact of Contaminant Exposure on Bats at the World's Largest Iron Mine
Alan Joel	Figueroa Ruiz	Masters Student	Universidad de Puerto Rico en Mayaguez	Assessing physiological health of T.m. manatus infected with T. gondii: parasite identification and prevalence in estuarine waters using flotation analyses and multiplex qPCR
Renato	Guzman	Undergraduate Student	University of Central Florida	Determining Wetland Alteration Effects on Pathogenic Infection in Large Aquatic Salamanders.
Patrick	O'Bryan	Masters Student	Southern Illinois University-Edwardsville	Siren intermedia nettingi Radio Telemetry Study: Investigating Movement and Space Use
ECOLOGY				
First Name	Last Name	Education Status	Institution	Study Title
Maclaren	Johnson	Undergraduate Student	College of William and Mary	Costs of Larval Cloning in the Daisy Brittlestar Ophiopholis aculeata
Sophia	Koontz	Undergraduate Student	St Mary's College of Maryland	Impact of saltwater intrusion on the legume-rhizobium symbiosis of a cover crop

ECOLOGY CONT.				
Luca	Kuziel	Doctoral Student	University of California-Merced	Impacts of Crocodile Predation on a Recovering Large Herbivore Population
Ilana	Mosley	Doctoral Student	Texas A&M University	A longitudinal assessment of the fecal microbiota in relation to canine Chagas disease progression
Lorraine	Perez	Masters Student	University of Connecticut	Does maternal antipredator behavior mediate the effect of urbanization on disease risk in Darwin's finches?
Sarah	Rider	Doctoral Student	Clemson University	Cryptobenthic Colonization Rates on ARMS in the Florida Keys
Chinmay	Sonawane	Doctoral Student	Stanford University	Modelling effects of lions on disease spillover from buffalo to cattle
Zachary	Spicer	Masters Student	Appalachian State University	Distribution, abundance and diet of Plethodon yonahlossee
Samantha	Turner-Rosa	Doctoral Student	University of Maryland-College Park	Migrating Mangroves: Nectar chemistry and the potential for pollinator-mediated plant range expansion
ENGINEERING				
First Name	Last Name	Education Status	Institution	Study Title
Shaghayegh	Abtahi	Doctoral Student	Iowa State University	Investigating the Sustainability and Biodegradability of Hydrophobic Cellulose-Based Devices
Gabriel	Mogbojuri	Doctoral Student	Iowa State University	Enhancing the Dielectric Breakdown Strength of PDMS Thin Films for Advanced Electromechanical Systems and Therapeutic Applications
Januar	Putra	Undergraduate Student	University of Sultan Ageng Tirtayasa	Sustainable Iron Recovery from Red Mud via Low-Temperature Electrolysis with Carbon-Based Electrically Conductive Colloids from Spent Batteries

GEOSCIENCES				
First Name	Last Name	Education Status	Institution	Study Title
Jerod	Aguilar	Doctoral Student	Southern Methodist University	Message in a Bottle: Prebiotic Evolution, From Sea to Land
Esther	Oyedele	Doctoral Student	Virginia Polytechnic Institute and State University	Understanding Climate Interactions with Groundwater Variability in the Contiguous U.S.Select
Madison	Schaefer	Masters Student	Ohio State University	Mobilization of per- and polyfluoroalkyl substances (PFAS) in a coastal aquifer driven by tidal and seasonal variations in water exchange
Anna	Strickland	Doctoral Student	University of North Carolina at Chapel Hill	Investigating the petrological and geochemical record of melt-related rocks within exhumed subduction complexes
PHYSICS/ASTRONOMY				
First Name	Last Name	Education Status	Institution	Study Title
Cody	Belden	Undergraduate Student	St Lawrence University	Investigating the Effect of Downward Magnetic Fields on Cellular Proliferation via Voltage-Gated Ion Channels
Gael	Gonzalez	Undergraduate Student	College of Charleston	Enhancing Ultraviolet Monitoring of Stellar Activity with a Novel Imaging System Utilizing CubeSat Technology
PHYSIOLOGY/FUNCTIONAL MORPHOLOGY				
First Name	Last Name	Education Status	Institution	Study Title
Nirvan	Bhatia	Undergraduate Student	Johns Hopkins University	Targeting HMGB1 to Reduce Choroidal Neovascularization and Subretinal Fibrosis in Wet Age-Related Macular Degeneration
Heather	Durfee	Doctoral Student	Oakland University	Identifying the pacemaker cells of spontaneous wave activity in the developing retina
Lauren	Merlino	Doctoral Student	University of California-Irvine	Do Endocannabinoids Mediate Seasonal Life-History Transitions from Mating to Feeding Behavior?
Jacqueline	Rich	Doctoral Student	Texas A&M University	Development of a Bioinspired Artificial Vagina for Semen Collection in Swine
Madeleine	Yung	Masters Student	University of Maine	Assessing Short Term Impacts of Diet on American Lobster Physiology

PSYCHOLOGY				
First Name	Last Name	Education Status	Institution	Study Title
Lillian	Behm	Doctoral Student	Yale University	Hippocampal involvement in infant sequence memory
Kathryn	Gour	Masters Student	College of William and Mary	The Relationship Between Neural Resonance Profiles and Autism Spectrum Personality Traits
Natasha	Jawa	Doctoral Student	Queens University-Kingston	IMPACT-ICU Study - Improving medical and psychological outcomes after discharge: A pragmatic, mixed-methods, open-label randomized controlled trial examining the effectiveness of a follow-up care bundle for ICU survivors and caregivers
SYSTEMATICS/EVOLUTIONARY BIOLOGY				
First Name	Last Name	Education Status	Institution	Study Title
Caroline	Edwards	Doctoral Student	Indiana University-Bloomington	Phylogenetic comparative analysis of the ecological and evolutionary drivers of trait diversity in Viola
Gianpiero	Florentino	Doctoral Student	New Jersey Institute of Technology	The impact of extinction on biological communities through deep time
Sydney	Szwed	Doctoral Student	Illinois State University	The Link Between Male Aggression and Immunity: A Critical but Neglected Life-History Trade-off