

Stengl-Wyer Grant Winners

CYCLE (NO. OF APPLICATIONS)	TITLE	PRINCIPAL INVESTIGATOR	DEPARTMENT	CO-INVESTIGATOR(S)
2020 (18)	Brochosome biodiversity: Collecting Texas leafhoppers to understand the evolution of unique insect nanostructures	Jeffrey Barrick	Molecular Biosciences	David Taylor
	Beating the heat: A framework to understand the mechanisms and trade-offs of climate change tolerance in Teleost fishes	Andrew Esbaugh	Marine Science	-----
	Enhancing UT collections and using modern analytical methods for novel insights into Texas' understudied, megadiverse and socioeconomically important Edwards Aquifer	Dean Hendrickson	Integrative Biology	Alex Wild Travis LaDuc Suzanne Pierce Thomas Devitt Tomislav Urban
	Leveraging biodiversity to understand social dominance across vertebrates	Hans Hofmann	Integrative Biology	Rebecca Young
	Maintaining excellence of Billie L. Turner Plant Resources Center	Bob Jansen	Integrative Biology	George Yatskievych
	Integration of machine learning and remote sensing for improved understanding of environmental change in central Texas	Timothy Keitt	Integrative Biology	Eric Abelson Suzanne Pierce Je'aime Powell Kelly Pierce
	Inclusive student training in collection and field-based topics	Melissa Kemp	Integrative Biology	Shalene Jha Travis LaDuc Ryan Weaver
	Diversification of vertebrate embryogenesis through the developmental hourglass	Rebecca Young	Integrative Biology	John Wallingford
	Sequencing the genomes of two electric fish	Harold Zakon	Neuroscience/ Integrative Biology	Justin Havird Johann Eberhart
	2021 (18)	FRI bioprospecting ImPRInt (Impact of Plastics on Rhizosphere Interactions)	Kasia Dinkeloo	Molecular Biosciences
A CURE for the biodiversity crisis: Integrating biodiversity research with education to increase diversity, equity, and inclusion in ecology and evolutionary biology		Jo-Anne Holley	Integrative Biology	Kara Rogers Thomas Devitt
Undergraduate Biodiversity Scholars: A proposal for a need-based program to fund undergraduate students to take field classes at UT Austin		Timothy Keitt	Integrative Biology	Laura Gonzalez-Guzman
Examining the function of an insect neurohormone found in plants		Felicity Muth	Integrative Biology	Brian Sedio
Danger downstream? Investigating indirect		Kristin Nielsen	Marine Science	Vince Palace

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	mechanisms of urban runoff toxicity using a whole ecosystem approach			Erin Ussery Karri Ackerly
	Establishment of an experimental garden and associated infrastructure at Stengl Lost Pines Biological Station	Robert Plowes	Integrative Biology	Larry Gilbert
	Leveraging big data science for ecological research in an era of global change: A Forest Global Earth Observatory (ForestGEO) plot at Stengl Lost Pines Biological Station	Brian Sedio	Integrative Biology	Eric Abelson Amelia Wolf Caroline Farris Timothy Keitt Robert Plowes
	Probing the mechanisms of enhanced ecosystem functioning from diversity: Resource acquisition, trophic interaction, and phylogenetic diversity within plant communities	Amelia Wolf	Integrative Biology	Caroline Farris Shalene Jha Brian Sedio
	EvoDevOmics: A freshman research initiative stream	Rebecca Young	Integrative Biology	-----
2022 (14)	Molecular and ecological studies on enhanced adaptation in plant polyploids	Z. Jeffrey Chen	Molecular Biosciences	Tom Juenger
	The evolution of mammalian body plans: A case study in squirrels	Chris Law	Integrative Biology	-----
	Integrating metabolomics in graduate student research in the life sciences	Brian Sedio	Integrative Biology	-----
	A pipeline to accession UT faculty research materials to the Biodiversity Center insect collection	Alexander L. Wild	Integrative Biology	Larry Gilbert
	Integrating UT field stations into long-term, globally distributed ecological networks	Amelia Wolf	Integrative Biology	Eric Abelson Sean Griffin Caroline Farris Shalene Jha Melissa Kemp
2023 (6)	Enhancing genomic resources infrastructure to support UT biodiversity research	David Cannatella	Integrative Biology	Travis LaDuc Thomas Devitt
	Creating a new experimental research area and research infrastructure for UT faculty and students at the Lady Bird Johnson Wildflower Center	Sean Griffin	Lady Bird Johnson Wildflower Center	Shalene Jha Matt O'Toole Lee Clippard
	Putting the Texas Field Station Network on the map: Ecological metabolomics brings a new dimension to fundamental questions about climate-diversity gradients	Brian Sedio	Integrative Biology	-----

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2024 (5)	Sustainable Materials Development for the Fashion Industry	Jessica Ciarla	Textiles and Apparel	-----
	The UT Turtle Pond as a Living Lab for Biodiversity Research	Justin Havird	Integrative Biology	-----
2025 (7)	Exploring the Plasticsphere: The Chemical and Microbial Communities of Gulf Coast Nurdles	Kasia Dinkeloo	Molecular Biosciences	Zhanfei Liu
	Establishing a Collaborative Undergraduate Research Training Program to Identify and Characterize Industrially Relevant Metal-Concentrating Algae in the UTEX Collection	David Nobles	Molecular Biosciences	Andrew Ellington