

16 undergraduate research scholars funded for fall '23

The MSU Texas Office of Undergraduate Research will fund 16 undergraduates, one graduate mentor, and 12 faculty mentors in 14 EURECA research projects for the fall 2023 term. These projects were selected by peer-review from the six colleges.

The EURECA scholars, along with other undergraduates involved in research through coursework and programs across campus, will present their results at the 21st Undergraduate Research and Creative Activity Forum Nov. 16, 2023 in the Clark Student Center.

Fain College of Fine Arts

- **Ma Iris Thea Gison**, "Motion-capture character design for live performance," mentor: Jason Bly, art

Dillard College of Business Administration

- **Romario Hughes**, "The impact of financial literacy programs and incentives on consumer debt and health behaviors: An exploration of psychological factors and behavioral change strategies," mentor: Qian Li, finance
- **Anne Akpabio**, "The impact of mergers, acquisitions, and corporate restructuring on the stock market and real estate industry," mentor: Lin Wang, accounting and finance

Gunn College of Health Science and Human Services

- **Myia Davis and Jessica Walla**, "An analysis of Compton scatter intensities under different clinical conditions," mentor: Rodney Fisher, radiologic technology

McCoy College of Science, Mathematics, and Engineering

- **Zantia King**, "Better estimation of above ground biomass for MSU Texas tree species with parameter optimization and model validation," mentors: Kashif Mahmud and graduate student Elizabeth Elkins, environmental science
- **Jordan Swearingen**, "Characterizing granite-captured rhyolite, Wichita Mountains, Oklahoma," mentor: Jonathan Price, geosciences
- **Luis Tamez**, "Reversion of antibiotic-resistance to antibiotic susceptibility: genetic effects," mentor: James Masuoka, biology
- **Zaniya Medlin**, "Genetic typing of *E. coli* strains from local waterfowl to determine the presence of virulence factors," mentor: James Masuoka, biology
- **Francine Pascal**, "Effect of indole, tryptophan and serotonin on germination of *Candida albicans*," mentor: James Masuoka, biology
- **Nasiha Khan**, "Effect of wall protein glycosylation on *Candida albicans* cell surface properties," mentor: James Masuoka, biology
- **Abigail Guinan**, "Using membrane protein chaperone to disrupt the alpha-synuclein protein aggregation: A potential treatment for Parkinson's Disease," mentor: Fu-Cheng Liang, chemistry
- **Sharome Burton**, "Controls architecture for autonomy-ready battery electric passenger vehicle," mentor: Yu Guo, mechanical engineering

Prothro-Yeager College of Humanities and Social Sciences

- **Andres Revis**, “The Lao perspective in the bombing of Laos during the Cold War,” mentors: Mike Rattanasengchanh and Eric Lynch, political science
- **Federica Manno and Jackson Redding**, “Multi-level drivers of climate change perceptions and actions: A cross-country analysis,” mentor: Juheon Lee, political science

For more information on how to get involved in undergraduate research at MSU Texas contact the Undergraduate Research Office:

Clark Student Center, Rm 161, 940-397-6275/9274, webpage: www.msutexas.edu/eureca, email: eureca@msutexas.edu. Staff: Director-Dr. Stacia Miller Whitworth, Coordinator-Julie Scales, Student Assistant- Joy Ebri.