ORSP – FY23 New Awards
As of 10/7/2022

1. Mr. Vincent Barraza, Archivist/Digital Preservation Librarian
University Main Library, Archives & Special Collections
National Endowment of the Humanities
"Xavier University of Louisiana, Archives & Special Collections Environmental Assessment"
$10,000 (9/1/2022 – 7/31/2023)
Mr. Barraza's goal is to support a Preservation & Environmental Assessment of the university's physical archival collections and rare books. This award will provide funding for expert evaluation, advice, and training to assist with long-term preservation and environmental stabilization for the XULA Archives by bringing in a LYRASIS consultant to assess and provide feedback on the extent of environmental damage to the physical holdings.

2. Dr. Stassi DiMaggio, Professor of Chemistry
National Science Foundation
"ADVANCE XULA STrIDES" (Supplement)
$168,889 (7/30/2022 -8/31/2022)
XULA STrIDES is designed to address systemic inequities contributing to XULA's lack of female STEM faculty, particularly female faculty of color. Dr. DiMaggio's project will have an immediate impact on the participation and inclusion of women, particularly women of color, in STEM academics at a STEM-focused HBCU. Key outcomes of the project include increases in retention, and promotion of women STEM faculty members at XULA, particularly women faculty of color.

3. Dr. Samrat Dutta, Assistant Professor of Chemistry
National Science Foundation
"ORE-CZ: Methane emission from wetlands surrounding Lake Pontchartrain"
$199,779 (9/1/2022 – 8/31/2025)
Dr. Dutta seeks to collect high-resolution methane emission data using the static chamber method from wetlands surrounding Lake Pontchartrain and provide opportunities to minority undergraduates at the Xavier University of Louisiana to participate in environmental science-related scholarly activities, using portable, user-friendly infrared-based devices to collect methane under different conditions and integrate the findings into the larger framework of carbon cycling from wetlands.

4. Dr. Morewell Gasseller, Assistant Professor of Physics
National Aeronautics and Space Administration (NASA)
"Xurface-based Measurements Initiative for Environmental/Air Quality Monitoring"
$590,000 (9/2/2022 – 9/1/2027)

GLOBE Mission Earth is a NASA-funded Science Activation award. Dr. Gasseller's project will assist in the organization and facilitation of a workshop that will be used to assess small sensors for air quality and their ability to be used by teachers and students in GLOBE Mission Earth, develop activities that teachers and students can use in air quality projects, and assist in writing subsequent reports to NASA related to the development and implementation of the new GLOBE air quality projects, including the teacher-training.

5. Dr. Chamika Hawkins-Taylor, Assistant Professor in Clinical and Administrative Sciences, College of Pharmacy
National Institutes of Health/ National Institute on Minority Health and Health Disparities
"Black Bodies Matter: An Examination of Diabetes, Peripheral Artery Disease and Limb Amputation Disparities in Black and White Participants of the All of Us Research Program"
$198,914 (8/30/2022 – 12/31/2023)
Dr. Hawkins-Taylor's study aims to understand cultural, environmental, and decision-making factors that contribute to disparities in diagnosis and treatment for PAD (peripheral artery disease) with diabetes and subsequent limb loss.

6. Dr. Joanna Haye, Assistant Professor of Biology
National Institutes of Health/ National Institute of General Medical Sciences
"Regulation and Localization of Mismatch Repair Proteins"
$741,650 (8/1/2022 – 5/31/2026)
The purpose of Dr. Haye's proposed research is to establish the role of Gcn5 and Not4 in the regulation of the major mismatch recognition complex MutSα, and to determine the role of post-translational modifications in MutSα recruitment to chromatin. Dr. Haye aims to provide further understanding of how MMR proteins are regulated and recruited to DNA, using the yeast *Saccharomyces cerevisiae*.

7. Dr. Nathaniel Holmes, Assistant Provost of Student Success
Office of Student Academic Success
U. S. Department of Education
"Ronald E. McNair Scholars Program"
$1,374,910 (10/1/2022 – 9/30/2027)
The Xavier University of Louisiana McNair Program provides services that will enable low-income, first-generation, and students from groups underrepresented in college education degree attainment to pursue doctoral study.
Dr. Yu Jiang, Director of Global Engagement
United States Department of State
"Develop Impactful Vietnam-based Education Abroad and Reimagine Student Engagement (DIVERSE)"
$34,996 (9/1/2022 – 8/31/2024)

Dr. Jiang's goal is to expand Xavier's education abroad capacity and increase and diversify the student study abroad population. He hopes to achieve this goal by enhancing collaboration among campus units, particularly with the STEM faculty, growing personnel expertise, creating critical program resources, and forming a new strategic partnership with Ton Duc Thang University in Ho Chi Minh City, and to diversify Xavier's study abroad population by increasing male and Asian/Pacific Islander student participation, two traditionally underrepresented groups in education abroad.

8. Dr. KiTani Lemieux, Associate Professor, Division of Basic Pharmaceutical Sciences
Pyxis Partners (NIH Subaward)
"Xavier University of Louisiana Helps, Educates, Advocates, and Leads in Collaborative Outreach and Member Mentorship in UNITY (XULA HEALs in the CommUNITY)"
$305,556 (7/1/2022 – 6/30/2023)
The XULA HEALs in the CommUNITY Program will engage in outreach, education and awareness activities to explain and promote the All of Us (AoU) Research Program and will become a part of a national network of partner organizations to serve as trusted intermediaries and messengers. The program will also implement an interdisciplinary strategy to increase the number of researchers productively using the AoU Researcher Workbench.

9. Dr. Florastina Payton-Stewart, Associate Provost for Faculty Affairs and Associate Professor of Chemistry
National Institutes of Health/ National Institute of General Medical Sciences
"Irreversible Estrogen Receptor Inhibitors"
$750,000 (8/16/2022 – 6/30/2026)
The long-term goal of Dr. Payton-Stewart's research is to develop therapeutically useful irreversible ER inhibitors for the treatment of ER+ metastatic breast cancer, which will create therapy options for individuals who have failed or relapsed on current therapies. The overall objective is to identify template-based irreversible ER inhibitors that can bind to the ER with high affinity and form an irreversible covalent C-S bond with the C530 amino acid residue in the ER LBD.

10. Dr. Anderson Sunda-Meya, Dean
College of Arts & Sciences
U.S. Economic Development Administration
"H2the Future"
$1,000,000 (10/1/2022 – 9/30/2027)
Hydrogen to the Future (H2theFuture), a South Louisiana Coalition application led by Greater New Orleans Development Foundation (GNODF), is a set of complementary projects to create a South Louisiana Green Hydrogen Hub, supporting President Biden's "Hydrogen Earthshot" goal of green hydrogen price reduction to $1 for 1kg in 1 decade. H2theFuture brings together economic forces and environmental responsibility, regional institutions, and industry partners. H2theFuture initiative is central to Xavier's mission and the future economic prosperity of South Louisiana.

Total New FY23 Funding To-Date: $ $6,788,568.