EXTRAMURAL FUNDING REPORT

Funds awarded for January- March 2022
$6,134,494

Total funding to date FY2021 - 2022
$28,127,176

Research

Hamza Balci, Physics
Soumitra Basu, Chemistry
National Institute of General Medical Sciences
*Targeting Promoter G-quadruplexes with CRISPR-dCas9 for Transcription Regulation*

Pamela Ferguson, Research and Evaluation Bureau
Subaward University of Akron /U.S. Department of Education
*NE Ohio ACHIEVE: Access to Curriculum & High Quality Instruction for Educators Valuing English Language Learners*

Pamela Ferguson, Research and Evaluation Bureau
Subaward University of Delaware /National Science Foundation
*PIRE: Bio-Inspired Materials and Systems*

Timothy Gallagher, Sociology
Subaward University of Texas at Austin /National Science Foundation
*EAGER SitS: Studying soil biotic and abiotic processes through continuous, high-precision monitoring of soil CO2 and O2 concentrations*

Gregory Gibson, Sociology
Richard Adams, Sociology
Timothy Rose, Sociology
Anthony Vander Horst, Sociology
Subaward The Ohio State University /Centers for Medicaid and Medicare Services
*Fiscal Intermediary, Provider Network Module, Centralized Credentialing, and Single Pharmacy Benefit Manager: Monitoring and Evaluation*

Julia Huyck, Health Sciences
Akon Children's Hospital
*Factors affecting long-term speech and hearing outcomes for children with chronic middle ear infections*

Antal Jakli, Advanced Materials Liquid Crystal Institute/Physics
Torsten Hegmann, Advanced Materials Liquid Crystals Institute
NewSight Reality, Inc.
*Nano-PDLCs for optical applications*
William Kalkhoff, Sociology
Joshua Pollock, Sociology
Maestro Games SPC

Can The Last Maestro Reduce Stress and Aggressive Behavior Elicited by the Enactment of Simulated Violence?

Michael Kavulic, Research and Sponsored Programs
Subaward Cleveland State University /Ohio Development Services Agency
Cleveland State University and Kent State University Technology Validation and Start-Up Fund (CKTVSF)

Lauren Kinsman-Costello, Biological Sciences
Subaward The Ohio State University /Ohio Department of Natural Resources
H2Ohio Wetland Monitoring Program

Kelsen LeBerge, College of Aeronautics and Engineering
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration
AIAA Design Build Fly Team Alpha (2021-2022)

Kelsen LeBerge, College of Aeronautics and Engineering
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration
Kent State High Power Rocket for Spaceport America Cup

Rui Liu, College of Aeronautics and Engineering
Xuhui Chen, College of Aeronautics and Engineering
U.S. Air Force Research Laboratory

An UAV Dock Station with Hybrid Data Transfer and Power Charging Capability for Projecting Multi UAVs to Large-Scale and Long-Durable Missions

Hossein Mirinejad, College of Aeronautics and Engineering
National Science Foundation
ERI: Precision Dosing in Critical Care: An Automated Modeling and Control Approach

Aleisha Moore, Biological Sciences
National Institute of Child Health and Human Development

The role of Kisspeptin/Neurokinin B/Dynorphin (KNDy) neurons in the pathogenesis of polycystic ovarian syndrome

Devin Mueller, Biological Sciences
Subaward Ponce Medical School Foundation, Inc. (PMSF) /National Institute on Minority Health and Health Disparities

Effect of early-life neglect and cocaine use on PTSD-like behaviors

Linda Ohrn-McDaniel, Fashion Design and Merchandising
Mourad Krifa, Fashion Design and Merchandising
Noel Palomo-Lovinski, Fashion Design and Merchandising
Louise Valentine, Fashion Design and Merchandising
Ohio Department of Higher Education
Fostering Ohio Innovation and Entrepreneurship in Next-Generation Digital Knit Technology

Joseph Ortiz, Geology
Subaward Ocean Research and Conservation Association (ORCA) /St Johns River Water Management District
Satellite Algae Bloom and Nutrient Sources Tracking
Peter Palffy-Muhoray, Advanced Materials Liquid Crystal Institute/Mathematics 10/28/21 - 04/28/23 $13,500
Xiaoyu Zheng, Mathematics
Subaward AlphaMicron & Parallax Advanced Research /Ohio Federal Research Network
Electronically Dimmable Electronic Eyewear

Kristine Pytash, Teaching, Learning and Curriculum Studies 04/20/22 - 04/20/23 $20,000
Elizabeth Testa, Teaching, Learning and Curriculum Studies
Martha Holden Jennings Foundation
Designing Identities: Beyond 28 Bricks

Mary Ann Raghanti, Anthropology Continuation 02/02/22 - 01/31/23 $203,824
Melissa Edler, Biomedical Sciences/Anthropology
Subaward The University of Texas MD Anderson Cancer Center /National Institute on Aging
Alzheimer's Disease Pathology in a Primate Model

Carrie Schweitzer, Stark Campus 01/01/22 - 08/31/22 $5,000
Dominion East Ohio Foundation
Making Waves in Stark County: A wave maker to demonstrate coastal process in STEMM programs at KSU at Stark

Tao Shen, College of Aeronautics and Engineering 03/01/22 - 02/29/24 $198,978
National Science Foundation
ERI: Exploration of the Design, Dynamics and Control of Self-Decoupled, Cable-Driven Serial Robots

Allyson Tessin, Geology 02/01/22 - 01/31/23 $39,820
Subaward Columbia University /National Science Foundation
U.S. Science Support Program Office associated with the International Ocean Discovery Program (USSSP-IODP)

Darlene Unger, Lifespan Development and Educational Sciences 03/01/22 - 01/31/28 $175,000
Subcontract Ohio Department of Education /U.S. Department of Education
Indicator 14 Data Collection and Reporting: Ohio Longitudinal Transition Study

David Ward, Biological Sciences Supplement 07/01/19 - 06/30/23 $19,622
Oscar Rocha, Biological Sciences
National Science Foundation
Collaborative Research: Scale-Dependent Processes as the Drivers for Understanding Range- and Niche-Expansion in a Widespread Native Species - Research Assistantships for High School Students (RAHSS) supplement

David Ward, Biological Sciences Supplement 07/01/19 - 04/30/23 $16,622
Oscar Rocha, Biological Sciences
National Science Foundation
Collaborative Research: Scale-Dependent Processes as the Drivers for Understanding Range- and Niche-Expansion in a Widespread Native Species - Research Experience for Teachers (RET) supplement

Deng-Ke Yang, Advanced Materials Liquid Crystal Institute/Physics 02/01/22 - 10/31/22 $90,000
Toyota Motor Sales, U.S.A., Inc.
Phase II: Two Side Waveguide Liquid Crystal Display

He Yin, Geography Additional 04/21/21 - 04/20/24 $55,609
National Aeronautics and Space Administration
The effects of the Syrian civil war on cropland in the eastern Mediterranean region
Artem Zvavitch, Mathematics
Dmitry Ryabogin, Mathematics
United States-Israel Binational Science Foundation
Convex and integral geometry and its relations to harmonic analysis and representation theory

Instruction

Salma Benhaida, Office of Global Education
Subaward World Learning / U.S. Department of State
2022 Spring Global Undergraduate Exchange Program (Global UGRAD)

Other Sponsored Activity

William Buckbee, Police Department
Jeffrey Futo, Police Department
Ohio Department of Higher Education
2021 Campus Safety Grant Program

Mark Cassell, Political Science
Ohio Department of Higher Education
KSU Washington Program in National Issues FY22-23

Chris Cooper, Ohio Employee Ownership Center / Political Science
Michael Palmieri, Political Science
The Cleveland Foundation
Greater Cleveland Business Succession Planning / Employee Ownership Conversions Program

Ken Ditlevson, LGBTQ Center / Diversity, Equity and Inclusion
Jessica Denmon, Diversity, Equity and Inclusion
Akron Community Foundation
To support QUEST Mentorship

Denise Harrison, English
John S. and James L. Knight Foundation, Inc.
Tech Capacity Building

David Hassler, Wick Poetry Program / Arts and Sciences
Jessica Jewell, Wick Poetry Program / Arts and Sciences
Charles Malone, Wick Poetry Program / Arts and Sciences
Jennifer Mapes, Geography
Gyorgyi Mihalyi-Jewell, Wick Poetry Program / Arts and Sciences
John S. and James L. Knight Foundation, Inc.
Mapping Akron: A Poetic Exploration of Home

David Hassler, Wick Poetry Program / Arts and Sciences
Subaward The Ohio State University / Ohio Arts Council
Healing stanzas: Reflective writing for health care workers

Jacqueline Marino, Journalism and Mass Communication
Susan Kirkman Zake, Journalism and Mass Communication
Media in the Public Interest
The Kent State-Ohio News Connection Reporting Project - continuation funding
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<tr>
<th>Name</th>
<th>Institution</th>
<th>Dates</th>
<th>Amount</th>
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<tr>
<td>Mark Matejcik</td>
<td>College of Podiatric Medicine</td>
<td>07/01/21 - 06/30/23</td>
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<td>Wendy Patton</td>
<td>Columbus Program in Intergovernmental Issues</td>
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<td>University Libraries</td>
<td>03/01/22 - 05/31/22</td>
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<td>Karen Ronga</td>
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<td>Stephen Schillig</td>
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<td>Amy Thomas</td>
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<td>Llancyllius Williams</td>
<td>Geauga Campus</td>
<td>01/18/22 - 01/17/25</td>
<td>$428,090</td>
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Llancyllius Williams, Geauga Campus 01/18/22 - 01/17/25 $156,955
Michael Ball, Ashtabula Campus
Kevin Deemer, Ashtabula Campus
Andrew Luoma, Ashtabula Campus
Russell Porter, Ashtabula Campus
Amy Thomas, Ashtabula Campus
U.S. Department of Agriculture

*Project CORD, Connecting Ohioans in Rural Areas Through Distance Learning Education - Ashtabula funding*

Sonya Williams, Community Outreach 01/01/22 - 12/31/22 $7,500
The Sisler McFawn Foundation

*Akron Public Schools College & Career Academies summer program for Firestone CLC students at Kent State*

Sonya Williams, Community Outreach 07/01/21 - 06/30/23 $200,000
Ohio Department of Higher Education
*Rural University*

Sonya Williams, Community Outreach 04/01/22 - 03/31/24 $5,000
Ivan Bernal, Architecture and Environmental Design
Mark Mistur, Architecture and Environmental Design
Akron Community Foundation

*To support the APS CCAA via the Architecture & Environmental Design summer program for Firestone students*

**COMPARATIVE DATA**

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<th>Fiscal Year to Date</th>
<th>FY 2020 - 2021</th>
<th>FY 2021 - 2022</th>
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<td>Total Funding</td>
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<td>Research</td>
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<td>Other Activity</td>
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