KENT STATE UNIVERSITY
Research and Sponsored Programs
Doug Delahanty, Vice President for Research

EXTRAMURAL FUNDING REPORT

Funds awarded for
October - December 2022
$4,611,579

Total funding to date
FY2022 - 2023
$16,471,058

Research

Darren Bade, Biological Sciences
Xiaozhen Mou, Biological Sciences
Subaward The Ohio State University/Ohio Department of Higher Education
*ODHE Harmful Algal Bloom Research Initiative FY20 and 21*

Philip Bos, Advanced Materials Liquid Crystal Institute/Physics
Meta Platforms Technologies LLC
*Continuation: Gradient Index Liquid Crystal (GRIN LC) Lens: Discrete Electrode Design*

Talea Drummer-Ferrell, Student Affairs
Christa Porter, Graduate College
National Association of Student Personnel Administrators
*Executive Leadership, Mothering, and the George Floyd Effect*

Melissa Edler, Biomedical Sciences/Anthropology
National Institute on Aging
*The effect of aging on neurotransmitters and motor performance in a primate model*

Tatiana Fernandez-Perez, Earth Sciences
Allyson Tessin, Earth Sciences
Subaward Columbia University/National Science Foundation
*U.S. Science Support Program Office Associated with the International Ocean Discovery Program (USSSP-IODP)*

Gregory Gibson, Sociology
Richard Adams, Sociology
Anthony Vander Horst, Sociology
State of Maine
*Maine PRAMS*

John Gunstad, Psychology
Subaward University of Connecticut/National Institute on Drug Abuse
*Optimizing evidence-based HIV prevention targeting people who inject drugs on PrEP*

Jeffrey Hallam, Social and Behavioral Sciences
Cleveland Clinic Foundation
*Co-op Experience - Student Elena*
<table>
<thead>
<tr>
<th>Name</th>
<th>Department/Major</th>
<th>Start/End</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Adam Jajtner</td>
<td>Health Sciences</td>
<td>10/18/22 - 10/17/23</td>
<td>$228,117</td>
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<tr>
<td>Natalie Caine-Bish</td>
<td>Family and Consumer Studies</td>
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<tr>
<td>Ellen Glickman</td>
<td>Exercise, Leisure and Sport</td>
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<tr>
<td>John Gunstad</td>
<td>Psychology</td>
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<tr>
<td>Abbott Laboratories</td>
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<tr>
<td><strong>Effects of Oral Rehydration Solutions in Healthy Adult Athletes</strong></td>
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<td>Deric Kenne</td>
<td>Health Policy Management</td>
<td>07/01/22 - 06/30/23</td>
<td>$79,200</td>
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<td>Subcontract Early Childhood Resource Center /Sisters of Charity Foundation of Canton</td>
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<tr>
<td><strong>SPARK Evaluation 22-23</strong></td>
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<td>Deric Kenne</td>
<td>Health Policy Management</td>
<td>08/21/22 - 05/16/23</td>
<td>$24,225</td>
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<td>Vinay Cheruvu</td>
<td>Biostatistics/Epidemiology/Environmental Health</td>
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<td>Coleman Professional Services, Inc.</td>
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<td><strong>Coleman Health Services GA Support</strong></td>
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<td>Deric Kenne</td>
<td>Health Policy Management</td>
<td>Continuation 09/30/22 - 09/29/23</td>
<td>$30,511</td>
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<td>Subcontract Stark County Mental Health &amp; Addiction Recovery /Substance Abuse and Mental Health Services Administration</td>
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<td><strong>Stark County System of Care Implementation</strong></td>
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<tr>
<td>Deric Kenne</td>
<td>Health Policy Management</td>
<td>Continuation 09/30/22 - 09/29/23</td>
<td>$117,339</td>
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<tr>
<td>Subaward Portage County Mental Health &amp; Recovery Board /Substance Abuse and Mental Health Services Administration</td>
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<td><strong>Portage MHAT Project</strong></td>
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<td>Lauren Kinsman-Costello</td>
<td>Biological Sciences</td>
<td>Continuation 01/01/23 - 06/30/23</td>
<td>$92,697</td>
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<td>Subaward The Ohio State University /Ohio Department of Natural Resources</td>
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<td><strong>H2Ohio Wetland Monitoring Program</strong></td>
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<td>Mourad Krifa</td>
<td>Fashion Design and Merchandising</td>
<td>01/01/23 - 12/31/23</td>
<td>$50,000</td>
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<td>Cotton Incorporated</td>
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<td><strong>Developing and Evaluating Analytic Tools for Improving Fiber Trait Distributions</strong></td>
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<td>Sangeet Lamichhaney</td>
<td>Biological Sciences</td>
<td>07/01/22 - 12/01/22</td>
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<td>International Atomic Energy Agency</td>
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<td><strong>Computational and laboratory analysis focused on understanding sex ratio control in the Avian Vampire Fly Philornis downsi</strong></td>
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<td>Bethany Lanese</td>
<td>Health Policy Management</td>
<td>09/01/22 - 12/31/23</td>
<td>$119,259</td>
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<td>Subcontract Canton City Health Department /Sisters of Charity Foundation of Canton</td>
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<td><strong>Evaluation of Canton-Stark THRIVE Project - Continuation 2022-2023</strong></td>
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<td>Mykal Leslie</td>
<td>Lifespan Development and Educational Sciences</td>
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<td>$185,760</td>
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<td>Subaward Virginia Commonwealth University /Administration for Community Living</td>
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<td><strong>Rehabilitation Research and Training Center (RTTC) on Employment of People with Intellectual and Developmental Disabilities</strong></td>
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<td>Mykal Leslie</td>
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<td>$150,484</td>
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<td>Subaward Virginia Commonwealth University /Administration for Community Living</td>
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<tr>
<td><strong>Rehabilitation Research and Training Center (RRTC) on Employment of Transition-Age Youth with Disabilities</strong></td>
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</table>
Joseph Ortiz, Earth Sciences  
Sarah Eichler, Salem Campus  
Herbert W. Hoover Foundation  
*Cover crop impacts on soil carbon inferred by modeling and soil optical properties*

Joseph Ortiz, Earth Sciences  
Subaward University of the Virgin Islands /National Aeronautics and Space Administration  
*Application of UAV and Satellite based optical sensors to help preserve the coral reefs of the US Virgin Islands*

Joseph Ortiz, Earth Sciences  
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration  
*Ohio Space Grant Consortium Campus Allotment*

Marianne Prevot, Advanced Materials Liquid Crystals Institute  
FACE Foundation  
*Emissive twist bend liquid crystal devices containing clustomesogens*

Angela Ridgel, Health Sciences  
Assignment Agreement with Louis Stokes Cleveland VA Medical Center /United States Department of Veterans Affairs  
*VA Agreement: Remote dynamic cycling for the customized off-site rehab in Parkinson's disease*

Tao Shen, College of Aeronautics and Engineering  
Subaward Gateway Biotechnology, Inc. /National Institute on Aging  
*Developing a clinical diagnostic tool for age-related cochlear synaptopathy*

David Singer, Earth Sciences  
Subaward The Ohio State University /U.S. Geological Survey  
*OSU water resources application for WRRI USGS 104(b) annual grant program*

Mary Beth Spitznagel, Psychology  
The Robert Wood Johnson Foundation  
*Clinical Scholars Transfer Application: Addressing the Veterinarian Mental Health Crisis through an ACT-Based Program*

Mary Beth Spitznagel, Psychology  
Zoetis LLC  
*Caregiver Burden in Owners of Pets with Chronic Disease*

Allyson Tessin, Earth Sciences  
Subaward Columbia University /National Science Foundation  
*U.S. Science Support Program Office associated with the International Ocean Discovery Program (USSSP-IODP)*

Clarissa Thompson, Psychology  
Prize funds - Luminary Labs, LLC /U.S. Department of Education  
*Using Number Lines and Analogies to Support Integrated Rational Number Sense: A Digital Rational NUMber (DRUM) Intervention*

Tsung-Heng Tsai, Mathematics  
National Institute on Alcohol Abuse and Alcoholism  
*Mitochondrial acetylation and acetylome dynamics in alcoholic liver disease assessed with heavy water*
Darlene Unger, Lifespan Development and Educational Sciences
Administration for Community Living

*A Professional Development and Case Management (PDCM) Model for Seamless Transition Planning: Improving Postschool Outcomes*

Anthony Vander Horst, Sociology
Richard Adams, Sociology
Gregory Gibson, Sociology

Nurses on Boards Coalition

*Nurses on Boards Coalition External Survey*

He Yin, Geography

National Aeronautics and Space Administration

*The effects of the Syrian civil war on cropland in the eastern Mediterranean region*

**Instruction**

Salma Benhaida, Office of Global Education
Subaward World Learning /U.S. Department of State

*Global Undergraduate Exchange Program (Global UGRAD) - Additional Funds*

Salma Benhaida, Office of Global Education
Subaward International Research and Exchanges Board /U.S. Department of State

*Global Undergraduate Exchange Program in Pakistan - Spring 2023 student*

Javed Khan, Computer Science
Philip Thomas, IT Enterprise Research Technology & Support
Ohio Department of Higher Education

*Choose Ohio First CS Scholarships: Building High Demand 21st-Century Workforce Development in Big-Data, Cyber Security & Privacy, AI, Smart Systems and Devices, and other cutting edge Computer Science*

**Other Sponsored Activity**

N.J. Akbar, Diversity, Equity and Inclusion
Christa Boske, Foundations, Leadership and Administration
Amoaba Gooden, Diversity, Equity and Inclusion
Gumiko Monobe, Teaching, Learning and Curriculum Studies
Martha Holden Jennings Foundation

*Racial Equity for Teachers Institute*

Christina Bloebaum, College of Aeronautics and Engineering
Donna Casey, Geauga Campus
Christopher Holthe, Design Innovation Initiative
Lorene Martin, Salem Campus
Ohio Department of Higher Education

*Regionally Aligned Priorities in Delivering Skills at Kent State University (RAPIDS 6)*

Mark Bracher, English
Sonya Williams, Community Outreach
The Teagle Foundation

*Cultivating Knowledge of Human Interconnectedness as a Pathway to Freedom*
James Campbell, Design Innovation Initiative
Christina Bloebaum, College of Aeronautics and Engineering
Burton D. Morgan Foundation
SkyHack 2023

James Campbell, Design Innovation Initiative
Margarita Benitez, Fashion Design and Merchandising
Burton D. Morgan Foundation
Fashion Tech Hackathon 2023

Chris Cooper, Ohio Employee Ownership Center/Political Science
Michael Palmieri, Political Science
The Kendeda Fund
Kendeda Fund - Employee Ownership Reflections

Rick Ferdig, Lifespan Development and Educational Sciences
Cheng-Chang Lu, Computer Science
Subaward Cleveland Metroparks /U.S. Department of Agriculture
Dissemination of a mobile and GIS-based app to address tree health

Robert Hamilton, Stark Campus
Dominion Energy Charitable Foundation
Nature Education for Northeastern Ohio

Felix Kumah-Abiwu, Africana Studies
Dominion Energy Charitable Foundation
Creating Career Pathways in Medicine and Health Sciences for underrepresented Students

Jamie McCartney, Lifespan Development and Educational Sciences
Olia Krise, Lifespan Development and Educational Sciences
Subaward University of Cincinnati /Ohio Department of Education
DEAFinitely Mentoring!

David Mitchell, Tuscarawas Campus
Subaward Arts Midwest /National Endowment for the Arts
m-pact

Stephen Schillig, Tuscarawas Campus
Subaward Ohio Development Services Agency /U.S. Small Business Administration
Tuscarawas SBDC FY22 - Federal funding - Fifth Quarter funding

Stephen Schillig, Tuscarawas Campus
Ohio Development Services Agency
Tuscarawas SBDC FY22 - State funding - Fifth Quarter funding

Stephen Schillig, Tuscarawas Campus
Subaward Stark County Regional Planning Commission /U.S. Department of Housing and Urban Development
Kent State Micro Enterprise Development Program: Economic Development of Small Business FY23

William Southards, College of Aeronautics and Engineering
Subaward Ohio Development Services Agency /U.S. Small Business Administration
Operation of a Small Business Development Center at KSU-CAEST FY2022 Fifth Quarter Federal funding
William Southards, College of Aeronautics and Engineering  
Ohio Development Services Agency  
Operation of a Small Business Development Center at KSU-CAEST FY2022 Fifth Quarter State funding

Dean Tondiglia, Police Department  
William Buckbee, Police Department  
United States Department of Treasury  
KSU Police Services Hiring and Retention Project

### COMPARATIVE DATA

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<tr>
<th>Fiscal Year to Date</th>
<th>FY 2021 - 2022</th>
<th>FY 2022 - 2023</th>
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<tbody>
<tr>
<td>Total Funding</td>
<td>$ 21,992,681</td>
<td>$ 16,471,058</td>
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<tr>
<td>Research</td>
<td>$ 12,572,373</td>
<td>$ 9,983,676</td>
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<tr>
<td>Instruction</td>
<td>$ 2,357,050</td>
<td>$ 2,251,713</td>
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<tr>
<td>Other Activity</td>
<td>$ 7,063,258</td>
<td>$ 4,235,668</td>
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