EXTRAMURAL FUNDING REPORT

Funds awarded for April-June 2023 $15,917,758

Total funding to date FY2022-2023 $38,725,227

Research

Sonia Alemagno, College of Public Health
Akron Summit Community Action, Inc.
Needs Assessment - Community Action Akron Summit

Veronica Antochvez Dexheimer Strickland, Physics
National Science Foundation
CAREER: Dense Phases in Neutron Stars

Christine Bahlai, Biological Sciences
Greenacres Foundation
Novel monitoring strategies to assess forest recovery processes

Michael Bliss-Schryer, Anthropology
American Society of Primatologists
In Search of Adrenarche: Spider Monkeys & their Implications in Human Evolution

Philip Bos, Advanced Materials Liquid Crystal Institute/Physics
Meta Platforms Technologies LLC
A single layer SLM have both phase and amplitude modulation

James Campbell, Design Innovation Initiative
Subcontract Immobileyes, Inc. U.S. Air Force Research Laboratory

Ching-I Chen, Lifespan Development and Educational Sciences
Woodcock Institute at Texas Woman's University
Detecting Cross-cultural Differential Item Functioning of a School Readiness Measure: A Pilot Study in Head Start

L.C. Chien, Advanced Materials Liquid Crystal Institute/Chemical Physics
Industry Partner
Smart Liquid Crystal Windows Phase V

Douglas Delahanty, Psychology
Conquer Chiari Foundation
Does coaching effect the impact of online acceptance and commitment therapy for chronic pain in a sample of people with CM?
Paul Dykshoorn, Tuscarawas Campus
Hossein Mirinejad, College of Aeronautics and Engineering
Subcontract Lorain County Community College /Intel Corporation
Ohio TechNet Northeast Ohio Semiconductor Workforce Consortium

Supplement 12/23/22 - 08/31/23 $4,000

Pamela Ferguson, Research and Evaluation Bureau
Subaward Lorain County Community College /Intel Corporation
Ohio TechNet Northeast Ohio Semiconductor Workforce Consortium

Continuation 09/01/22 - 08/31/23 $10,260

Pamela Ferguson, Research and Evaluation Bureau
Deborah Shama-Davis, Research and Evaluation Bureau
Anthony Shreffler, Research and Evaluation Bureau
Institute for Multi-Sensory Education
IMSE ESSA Study 2023

02/28/23 - 09/30/23 $24,490

Christopher Flessner, Psychology
Subaward HabitAware, Inc. /National Institute of Mental Health
Technology Assisted Treatment for Trichotillomania

Continuation 01/01/23 - 12/31/23 $100,302

Lee Gilman, Psychology
Farris Family Fund -Kent State University Foundation
Assessing how stress hormone (dys)regulation drives excess salt/sucrose intake as a stress coping behavior

09/01/23 - 08/31/26 $24,000

Qiang Guan, Computer Science
Barry Dunietz, Chemistry
Michael Strickland, Physics
National Science Foundation

Supplement 11/01/22 - 10/31/25 $10,000

Tianyuan Guan, Epidemiology/Biostatistics
Farris Family Fund -Kent State University Foundation
Prevalence of vaping among middle and high school students: Prospects and prevention of addiction

09/01/23 - 08/31/26 $24,000

Dana Hansen, Nursing
Subaward Northeast Ohio Medical University /Health Resources and Services Administration
Health and Public Safety Workforce Resiliency Training Program

01/01/23 - 12/31/23 $8,999

Adam Jajner, Health Sciences
Ellen Glickman, Exercise, Leisure and Sport
Deerland/ADM
Effects of Solarplast supplementation on biomarkers of muscle damage, inflammation and recovery of physical performance following high-intensity resistance exercise

06/08/23 - 09/30/24 $119,859

Antal Jakli, Advanced Materials Liquid Crystal Institute/Physics
Oleg Lavrentovich, Advanced Materials Liquid Crystal Institute/Physics
North Atlantic Treaty Organization
New photosensitive polymers with embedded intelligence

04/20/23 - 04/20/26 $125,832
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<th>Name</th>
<th>Department/Institute</th>
<th>Funding Source</th>
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<td>Heavy Ion Collisions over a Range of Relativistic Energies</td>
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<td>Robert Clements</td>
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<td>Bimodal Haptic-Mixed Reality (HMR) Needle Insertion Simulation for Hand-Eye Skills - REU Supplement</td>
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<td>Manabu Kurokawa</td>
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<td>Role of the ubiquitin E3 ligase HUWE1 in age-associated nonalcoholic fatty liver disease</td>
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<td>Oleg Lavrentovich</td>
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<td>Collaborative Research: Morphogenesis of First-Order Phase Transitions in Polar and Apolar Nematic Liquid Crystals</td>
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<td>Cameron Lee</td>
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<td>National Oceanic and Atmospheric Administration</td>
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<td>Scott Sheridan</td>
<td>Geography</td>
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<td>National Oceanic and Atmospheric Administration</td>
<td>Excess Heat and Excess Cold Factors: Establishing a unified duration-intensity metric for monitoring hazardous temperature conditions in North America</td>
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Jason Lorenzon, College of Aeronautics and Engineering  
Additional 09/08/21 - 07/08/23 $60,000

Syed Arbab Mohd Shihab, College of Aeronautics and Engineering  
Subcontract Cal Analytics, LLC /Ohio Department of Transportation  
Open Framework Standards for Combined Aircraft Sensor Network for the State of Ohio to Detect and Track Lower Altitude Aircraft

Ye Lu, College of Aeronautics and Engineering  
05/01/23 - 04/30/26 $402,740
Joycelyn Harrison, College of Aeronautics and Engineering  
National Science Foundation  
REU Site: Research Experience for Undergraduates in Robotics and Autonomous Systems

Jonathan Maletic, Computer Science  
07/01/23 - 06/30/26 $447,250
National Science Foundation  
Collaborative Research: CCRI: New: Syntactic Differencing Infrastructure for Software Evolution Research

Hanbin Mao, Chemistry  
07/01/23 - 06/30/26 $385,767
Hao Shen, Chemistry  
National Science Foundation  
Collaborative Research: Harnessing the chirality matching principle for enhanced catalytic reactivity

Spyridon Margetis, Physics  
Continuation 11/01/22 - 10/31/24 $457,978
U.S. Department of Energy  
Continuation of IPA Assignment with U.S. Department of Energy

Jamie McCartney, Lifespan Development and Educational Sciences  
Additional 08/01/22 - 06/30/23 $5,461
Olivia Krise, Lifespan Development and Educational Sciences  
Subaward University of Cincinnati /Ohio Department of Education  
DEAFinitely Mentoring!

Elias Nader, Sociology  
06/01/23 - 05/31/24 $30,000
Russell Sage Foundation  
The future of work and reentry for emerging adults

Elena Novak, Teaching, Learning and Curriculum Studies  
09/01/23 - 08/31/27 $665,994
Lisa Borgerding, Teaching, Learning and Curriculum Studies  
Jong-Hoon Kim, Computer Science  
Jian Li, Foundations, Leadership and Administration  
National Science Foundation  
Physical Science Robotics Interdisciplinary Design in Computer Science Education: Broadening Participation in STEM through Cascading Peer-Mentorship

Joseph Ortiz, Earth Sciences  
Continuation 06/12/23 - 08/18/23 $9,000
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration  
OSGC Internship - Summer 2023 - Heestand

Joseph Ortiz, Earth Sciences  
Continuation 08/18/23 - 05/31/24 $10,000
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration  
OSGC Master’s Fellowship for 2023-2024 - Sipahioglu

Joseph Ortiz, Earth Sciences  
08/18/23 - 05/31/23 $10,000
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration  
OSGC Master’s Fellowship for 2023-2024 - Taylor
Joseph Ortiz, Earth Sciences
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration
OSGC 2023-2024 STEM Scholarship - Maller, Horn, Wimer
Continuation 08/18/23 - 05/31/24 $7,500

Joseph Ortiz, Earth Sciences
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration
Subaward Ohio Space Grant Consortium / Matar
Continuation 08/18/23 - 05/31/24 $2,500

Diana Catalina Palacios Bustos, Biological Sciences
Sangeet Lamichhaney, Biological Sciences
Society for the Study of Evolution
Workshop on Evolutionary Genomics: Analysis of Genomic and Transcriptomic

Richard Piet, Biological Sciences
Michael Lehman, Brain Health Research Institute/Biological Sciences
National Institute of Child Health and Human Development
Suprachiasmatic nucleus to kisspeptin circuit in the circadian control of reproduction

Helen Piontkivska, Biological Sciences
Northeast Ohio Medical University
*RNA-seq analysis of spike expression (with NEOMED)*

Marianne Prévôt, Advanced Materials Liquid Crystals Institute
Torsten Hegmann, Advanced Materials Liquid Crystals Institute
Ohio Bureau of Workers' Compensation
Zero-power, easily customizable, and wearable toxic gas and vapor sensors enabling enhanced safety for Ohio's first responders

Shawn Rohlin, Economics
Subaward University of Akron /Open Road Renewables
Economic Impact Study for Open Road Solar Project
Continuation 12/31/20 - 12/31/22 $4,131

Harlee Rush, Biological Sciences
Geauga Park District
*Home-field advantage: the effects of litter type, microclimate, and arthropod diversity on leaf-litter decomposition in oak forests of Northeastern Ohio*

Dmitry Ryabogin, Mathematics
Artem Zvavitch, Mathematics
National Science Foundation
*Harmonic Analysis in Convex Geometry*

Gokarna Sharma, Computer Science
National Science Foundation
*CAREER: Transactional Memory for Distributed Systems*
Continuation 02/01/21 - 01/31/26 $119,818

Hao Shen, Chemistry
Farris Family Fund -Kent State University Foundation
*Fully Adjustable Chiral-Induced Spin Selectivity on Coronazymes*

D Blake Stringer, College of Aeronautics and Engineering
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration
2023 Kent State Design, Build, Fly Team
12/01/22 - 11/30/23 $5,000
D Blake Stringer, College of Aeronautics and Engineering 12/01/22 - 11/30/23 $5,000

Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration
2023 Kent State International Rocket Engineering Competition Team

David Ward, Biological Sciences
Oscar Rocha, Biological Sciences
National Science Foundation
Collaborative Research: Scale-dependent processes as the drivers for understanding range- and nicheexpansion in a widespread native species - RAHSS) supplement

David Ward, Biological Sciences
Oscar Rocha, Biological Sciences
National Science Foundation
Collaborative Research: Scale-dependent processes as the drivers for understanding range- and nicheexpansion in a widespread native species - REU supplement

He Yin, Geography Continuation 04/21/21 - 04/20/24 $47,742
National Aeronautics and Space Administration
The effects of the Syrian civil war on cropland in the eastern Mediterranean region

Hiroshi Yokoyama, Advanced Materials Liquid Crystal Institute/Physics Continuation 12/30/16 - 12/29/23 $120,000
National Aeronautics and Space Administration
Structure and Dynamics of Monodisperse Liquid Crystal Domains created on Suspended, Molecularly-Thin Smectic Films using Sub-Femtoliter Inkjet Technology

Artem Zvavitch, Mathematics 09/07/22 - 12/09/22 $25,000
Brown University
ICERM Harmonic Analysis and Convexity Research Fellow

Instruction

Salma Benhaida, Office of Global Education Continuation 08/15/23 - 12/31/23 $27,292
Subaward International Research and Exchanges Board /U.S. Department of State
Fall 2023 Global Undergraduate Exchange Program in Pakistan (Global UGRAD-Pakistan) - Qazi & Amjad

Salma Benhaida, Office of Global Education Continuation 08/15/22 - 05/31/23 $34,950
Subaward World Learning /U.S. Department of State
Fall/Spring Global Undergraduate Exchange Program (Global UGRAD) - AY 22/23

Salma Benhaida, Office of Global Education 08/15/23 - 05/31/24 $27,674
Subaward International Research and Exchanges Board /U.S. Department of State
Thomas Jefferson scholarship Program 2023-2024 - Jaidane

Joanne Caniglia, Teaching, Learning and Curriculum Studies Continuation 06/01/23 - 05/31/24 $97,828
Michele Heron, Stark Campus
Rhonda Hylton, Teaching, Learning and Curriculum Studies
Lori Wilfong, Stark Campus
Subaward Ohio Department of Education /U.S. Department of Education
Extension Proposal of Kent State University's High Intensity Tutoring

Other Sponsored Activity
Sonia Alemagno, College of Public Health  
Portage County Health District  
*Portage County Health District - Community Health Worker Workforce Development Initiative*

Adam Cinderich, University College Academic Diversity Success  
U.S. Department of Education  
*Kent State University Student Support Services Program*

Danielle Green-Welch, Community Outreach  
Dave Thomas Foundation for Adoption  
*Scholar Engagement and Permanency Support*

Danielle Green-Welch, Community Outreach  
Sonya Williams, Community Outreach  
Subaward City of Akron/United States Department of Treasury  
*First Star Kent State: Violence Prevention Program*

Virginia Hall, University Libraries  
Edith Serkownek, University Libraries  
National Endowment for the Humanities  
*Pauline Trigere: Fifty years of American fashion entrepreneurship and design: Kent State University*

Jeffrey Harrell, Upward Bound  
U.S. Department of Education  
*Kent State University Upward Bound Health Professions*

Jeffrey Harrell, Upward Bound  
Sonya Williams, Community Outreach  
U.S. Department of Education  
*Kent State University Upward Bound Math Science*

David Hassler, Wick Poetry Program/Arts and Sciences  
Jessica Jewell, Wick Poetry Program/Arts and Sciences  
Charles Malone, Wick Poetry Program/Arts and Sciences  
Gyorgyi Mihalyi, Wick Poetry Program/Arts and Sciences  
Poetry Foundation  
*Poetry Foundation Support*

Constance Hawke, Compliance and Risk Management  
David Poluga, Compliance and Risk Management  
Federal Aviation Administration  
*Rehabiliate Runway 1/19 (Mill & Overlay 3,000' x 60') (Construction); Reconstruct Runway 1/19 (1,000' x 60') (Construction); Rehabilitate Runway 1/19 RSA Grading (Construction)*

Todd Hawley, Teaching, Leadership and Curriculum Studies  
Sonya Wisdom, Teaching, Learning and Curriculum Studies  
Martha Holden Jennings Foundation  
*Becoming a Brave Teacher*
Amanda Johnson, Center for International and Intercultural Education 05/19/23 - 12/01/23 $234,029
Martin Jencius, Lifespan Development and Educational Sciences
Subaward International Research & Exchanges Board (IREX) / U.S. Department of State 2023 Fulbright Teaching Excellence and Achievement (Fulbright TEA) Program (Cohorts I and II)

Aloyisius Kasturiarachi, Stark Campus 05/01/23 - 08/31/24 $5,000
Ashley Meinke, Stark Campus
Mathematical Association of America
Stark County Summer Math Academy 2023

Deric Kenne, Health Policy Management
Subaward Substance Abuse and Mental Health Services Administration 09/30/23 - 09/29/24 $525,000
Continuation 09/30/23 - 09/29/24 $525,000
Summit County MAT Expansion (Sc-MATx)

Zachary Mikrut, LaunchNET/University Libraries 07/01/23 - 06/30/24 $185,000
Burton D. Morgan Foundation
NEOLaunchNET 2023-24

Subaward Ohio Mental Health and Addiction Services & PreventionFirst! / United States Department of Treasury 04/18/23 - 06/30/24 $12,500
Prevention and Wellness Programming for the Columbiana County Campuses

Penny Minor, Salem Campus 06/12/23 - 06/11/28 $356,098
Subaward Say Yes Cleveland Scholarship, Inc. / The Cleveland Foundation College Now LLC Support

Subaward Arts Midwest / National Endowment for the Arts
Kent State University, with the NEA and Arts Midwest, presents Thi Bui's The Best We Could Do for The Big Read

Mary Rooks, Stark Campus 09/01/23 - 06/30/24 $14,100
Alexis Baker, Stark Campus
Robert King, Stark Campus
Subaward Arts Midwest / National Endowment for the Arts Kent State University, with the NEA and Arts Midwest, presents Thi Bui’s The Best We Could Do for The Big Read

Marty Ropog, Ohio Literacy Resource Center / Teaching, Learning and Curriculum Studies 09/01/22 - 10/31/23 $7,500
Dominion East Ohio Foundation
Kent State University’s GED Program: Bridging the Path to Higher Education 2022-2023

Subaward Ohio Department of Development / U.S. Small Business Administration 01/01/23 - 12/31/23 $277,105
Tuscarawas SBDC FY23 - Federal funding

Stephen Schillig, Tuscarawas Campus 01/01/23 - 12/31/23 $88,971
Ohio Department of Development Tuscarawas SBDC FY23 - State Funding
Theresa Schwarz, Urban Design Center/Architecture and Environmental Design  01/01/23 - 12/31/23  $30,000
Clifford Herring, Architecture and Environmental Design
National Endowment for the Arts
Making Our Own Space Design/Build Installation

Julie Senita, Ashtabula Campus  06/27/23 - 06/26/24  $19,424
The Ashtabula Foundation
Kent State University Ashtabula Simulation Education Upgrade and Expansion

Ricardo Sepulveda, Music  04/01/23 - 03/31/24  $75,000
Kulas Foundation
Kulas Foundation 2023 Concert Series Sponsor of the Kent Blossom Music Festival

LaDarrius Steele, Upward Bound Continuation  06/01/23 - 05/31/24  $612,992
U.S. Department of Education
Upward Bound Classic

Dayonna Taylor, IT Administration and Finance  02/01/23 - 05/31/24  $24,880
Ohio Department of Development
Ohio Tech Cred

Dean Tondiglia, Police Department  04/12/23 - 06/30/24  $387,567
Richard O'Neill, Police Department
Ohio Department of Higher Education
2022 Campus Safety Grant Program

Lori Wilfong, Stark Campus  04/01/23 - 11/30/23  $3,500
Kathryn Walley, Teaching, Learning and Curriculum Studies
Subaward National Writing Project /U. S. Department of Interior National Park Service
2023 NWP-KSU/Cuyahoga Valley National Park Service Collaboration

**COMPARATIVE DATA**

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<td>Research</td>
<td>$ 20,394,285</td>
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