

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

EXTRAMURAL FUNDING REPORT

**Funds awarded for
July- September 2023
\$12,624,663**

**Total funding to date
FY2023 - 2024
\$12,624,663**

Research

Sanjaya Abeysirigunawardena, Chemistry National Institute of General Medical Sciences <i>Investigation of the essential structural and sequence features for the recognition of RNA methylations during post-transcriptional regulation of gene expression</i>	09/15/23 - 08/31/26	\$454,805
Christine Bahlai, Biological Sciences National Science Foundation <i>CAREER: What's next? Developing novel quantitative tools to address conflicting evidence in temporal ecology</i>	Continuation 06/01/21 - 05/31/26	\$162,268
Hamza Balci, Physics Soumitra Basu, Chemistry National Institute of General Medical Sciences <i>Targeting Promoter G-quadruplexes with CRISPR-dCas9 for Transcription Regulation (supplement for Acquisition of a Multimode Plate Reader)</i>	Supplement 04/01/22 - 03/31/25	\$84,981
Brian Barber, Lifespan Development and Educational Sciences Subaward University of Florida /U.S. Department of Education <i>Efficacy Trial of I Control: An Intensive Intervention to Improve Self-Regulation for Middle School Students with Emotional & Behavioral Problems</i>	Continuation 07/01/23 - 06/30/24	\$236,821
Joseph Bedont, Biological Sciences National Institute of Neurological Disorders and Stroke <i>Nitrogen metabolism in sleep homeostasis and pathology</i>	09/19/23 - 08/31/24	\$249,000
Yossef Ben-Porath, Psychology University of Minnesota <i>Further Development of MMPI-3</i>	07/01/23 - 06/30/24	\$148,927
Sarah Black, Psychology National Institute of Mental Health <i>Parent-child synchrony in depressed and non-depressed dyads: A multi-modal investigation</i>	08/01/23 - 07/31/26	\$426,610
Philip Bos, Advanced Materials Liquid Crystal Institute/Physics Subcontract Defense Engineering Corporation /U.S. Air Force Research Laboratory <i>Advances in Vertically Aligned Pancharatnam Phase Devices (VA PPDs)</i>	Continuation 10/01/22 - 06/30/23	\$22,000
David Costello, Biological Sciences Subcontract UT-Battelle Oakridge National Laboratory /U.S. Department of Energy <i>Nutrient analysis of cotton strips from SPRUCE</i>	04/27/23 - 08/31/24	\$7,342

Patrick Dillon, Stark Campus Subaward University of Memphis /Substance Abuse and Mental Health Services Administration <i>Expanding Integrated housing, substance abuse/co-occurring treatment, and support services for homeless women in Tennessee by Mending Hearts</i>	Continuation	04/30/21 - 04/30/23	\$12,072
Patrick Dillon, Stark Campus Substance Abuse and Mental Health Services Administration <i>Expanding substance abuse/co-occurring treatment and recovery support services for fentanyl overdose clients in rural middle Tennessee</i>		09/30/22 - 09/29/23	\$6,728
Jo Dowell, Nursing The Walmart Foundation <i>Food allergy screening: increasing health equity</i>		09/01/23 - 08/31/24	\$2,000
Tatiana Fernandez-Perez, Earth Sciences Allyson Tessin, Earth Sciences Subaward Columbia University /National Science Foundation <i>U.S. Science Support Program Office associated with the International Ocean Discovery Program (USSSP-IODP)</i>		08/01/23 - 07/31/24	\$19,999
Peter Gordon, Mathematics United States-Israel Binational Science Foundation <i>Studies in Deflagration-to-Detonation Transition in Unconfined Systems</i>	Continuation	10/01/23 - 09/30/24	\$14,059
Qiang Guan, Computer Science National Science Foundation <i>Collaborative Research: OAC Core: An Integrated Framework for Enabling Temporal-Reliable Quantum Learning on NISQ-era Devices</i>		08/01/23 - 07/31/26	\$270,000
John Gunstad, Psychology Subaward University of Connecticut /National Institute on Drug Abuse <i>Optimizing Evidence-Based HIV Prevention Targeting People who Inject Drugs on PrEP</i>	Continuation	07/01/23 - 06/30/24	\$36,878
Songping Huang, Chemistry National Science Foundation <i>I-Corps: Antimicrobial polyvinyl chloride (PVC) pipe to reduce biofouling in hydroponic farming</i>		09/01/23 - 08/31/24	\$50,000
Peter Jeffy, University College Academic Diversity Success U.S. Department of Education <i>Kent State University McNair Scholars Program</i>	Continuation	10/01/23 - 09/30/24	\$283,259
Catrina Johnson, Management Kristenne Robison, Salem Campus Ohio State Bar Foundation <i>Examining Organizations' Pledges to Justice-Involved Employees</i>		01/01/24 - 05/31/25	\$54,195
Deric Kenne, Health Policy Management Ruoming Jin, Computer Science Substance Abuse and Mental Health Services Administration <i>Northeast Ohio Tri-County Prevention Infrastructure (TCPI)</i>	Continuation	09/30/23 - 09/29/24	\$300,000

Kwangtaek Kim, Computer Science Robert Clements, Biological Sciences Jeremy Jarzembak, Nursing National Science Foundation <i>Bimodal Haptic-Mixed Reality (HMR) Needle Insertion Simulation for Hand-Eye Skills</i>	Continuation	09/15/21 - 08/31/24	\$166,500
Lauren Kinsman-Costello, Biological Sciences Subaward Bowling Green State University & The Ohio State University /Ohio Department of Higher Education <i>Translating wetland monitoring to better restoration and management: development of a novel simulation-optimization framework for nutrient reduction wetlands</i>	Continuation	07/01/23 - 07/31/24	\$16,700
Bethany Lanese, Health Policy Management Stark County Mental Health and Recovery Services Board <i>Evaluation of the StarkMHAR Continuous Improvement Project in Behavioral Health - FY23 Continuation Funding</i>		07/01/23 - 12/31/23	\$35,828
Kimberly Laurene, Health Policy Management Deric Kenne, Health Policy Management Substance Abuse and Mental Health Services Administration <i>More Aware</i>	Continuation	09/30/23 - 09/29/24	\$102,000
Oleg Lavrentovich, Advanced Materials Liquid Crystal Institute/Physics Manabu Kurokawa, Biological Sciences National Science Foundation <i>Collaborative Research: Highly ordered concentric multilayer nanostructures with probable liquid crystalline features from rigid sphere-rod amphiphiles in solution - Supplement</i>	Supplement	08/15/22 - 07/31/25	\$33,479
Cameron Lee, Geography Scott Sheridan, Geography National Oceanic and Atmospheric Administration <i>Excess Heat and Excess Cold Factors: Establishing a unified duration-intensity metric for monitoring hazardous temperature conditions in North America</i>	Continuation	04/01/24 - 03/31/25	\$102,330
Lori Lee, Ashtabula Campus Ohio Grape Industries Committee <i>OGIC Enology Research FY24-25</i>		07/18/23 - 06/30/24	\$88,946
Bridget Mulvey, Teaching, Learning and Curriculum Studies Martha Holden Jennings Foundation <i>Elementary Design for 3D STEM</i>		08/01/23 - 07/31/24	\$15,000
Joseph Ortiz, Earth Sciences Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration <i>OSGC 2023-2024 STEM Scholarship - Schofield</i>	Additional	08/18/23 - 05/31/24	\$2,500
Cynthia Osborn, Lifespan Development and Educational Sciences Kelly Cichy, Lifespan Development and Educational Sciences Joel Hughes, Psychology William Lechner, Psychology Cassandra Storlie, Lifespan Development and Educational Sciences Health Resources and Services Administration <i>Behavioral Health Workforce Education and Training Program</i>	Continuation	08/01/23 - 08/31/24	\$342,974

Thorsten-Lars Schmidt, Physics National Institute of General Medical Sciences <i>Small and Mechanosensitive Membrane Proteins Studied with DNA-based Tools</i>	Continuation	07/01/23 - 06/30/24	\$373,384
Robin Selinger, Advanced Materials Liquid Crystal Institute/Physics Jonathan Selinger, Advanced Materials Liquid Crystal Institute/Physics United States-Israel Binational Science Foundation <i>Liquid Crystal Physics in Interactions between Living Cells</i>		10/01/23 - 09/30/27	\$25,350
Peggy Shadduck, Regional Campuses Christina Bloebaum, College of Aeronautics and Engineering Torsten Hegmann, Advanced Materials Liquid Crystals Institute Intel Corporation <i>Kent State Semiconductor Collaborative Education Program</i>	Additional	09/01/22 - 08/31/25	\$396,825
Gregory A Smith, Stark Campus Robert Hamilton, Stark Campus Herbert W. Hoover Foundation <i>Conservation Genetics of Deep-Sea Fishes: Biodiversity Genome Structure and Molecular Adaptations</i>		09/01/23 - 08/31/24	\$189,192
Andrew Snyder, College of Public Health The George Gund Foundation <i>Greater Cleveland LGBTQ+ Community Needs Assessment (supplemental funding)</i>		03/01/23 - 12/31/24	\$15,000
Michael Strickland, Physics Subaward Texas A&M University /U.S. Department of Energy <i>Heavy-Flavor Theory (HEFTY) for QCD Matter</i>		01/15/23 - 01/14/24	\$48,662
Michael Strickland, Physics Subaward Wayne State University /National Science Foundation <i>CSSI: Frameworks: X-Ion Collisions with a Statistically and Computationally Advanced Program Envelope (X-SCAPE)</i>	Continuation	07/01/20 - 06/30/24	\$1,500
Allyson Tessin, Earth Sciences National Science Foundation <i>Ironing out the role of benthic processes on nutrient cycling in the Gulf of Alaska</i>		11/01/23 - 10/31/26	\$334,856
Darlene Unger, Lifespan Development and Educational Sciences Administration for Community Living <i>A Professional Development and Case Management (PDCM) Model for Seamless Transition Planning: Improving Postschool Outcomes</i>	Continuation	09/30/23 - 09/29/24	\$475,000
Srinivasan Vijayaraghavan, Biological Sciences National Institute of Child Health and Human Development <i>A knock-in mouse model for male fertility: basis for the mammal-specific protein phosphatase isoform PP1y2 in sperm</i>	Continuation	08/01/23 - 07/31/24	\$76,000

Instruction

Sonia Alemagno, College of Public Health Subaward The MetroHealth System /Health Resources and Services Administration <i>Community Health Worker Training Program</i>	Continuation	09/15/22 - 09/14/24	\$217,020
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Salma Benhaida, Office of Global Education Subaward World Learning /U.S. Department of State <i>Fall/Spring Global Undergraduate Exchange Program (Global UGRAD) - AY 22/23</i>	Additional	08/15/22 - 05/31/23	\$13,211
Ching-I Chen, Lifespan Development and Educational Sciences U.S. Department of Education <i>Interdisciplinary Preparation in Early Educational Professions (Project INPREP)</i>	Continuation	11/01/23 - 10/31/24	\$179,160
Sanna Harjusola-Webb, Lifespan Development and Educational Sciences Sloane Burgess, Lifespan Development and Educational Sciences U.S. Department of Education <i>Natural Environments by Teaming 2.0 (NExT 2.0)</i>	Continuation	09/01/23 - 08/31/24	\$250,000
Tracey Motter, Nursing Mary Kutchin, Nursing Health Resources and Services Administration <i>Nurse Education, Practice, Quality, and Retention - Interprofessional Collaborative Practice</i>		08/01/23 - 07/31/24	\$984,304
Davison Mupinga, Teaching, Learning and Curriculum Studies Subaward Ohio Department of Education /U.S. Department of Education <i>CTE Teacher Preparation and Retention FY24</i>		07/01/23 - 06/30/24	\$100,000
James Tudhope, Nursing Andrea Nelson, Nursing Andrea Warner Stidham, Nursing Health Resources and Services Administration <i>Advanced Nursing Education- Nurse Practitioner Residency Fellowship Program</i>		08/01/23 - 07/31/24	\$521,502
James Tudhope, Nursing Ohio Mental Health and Addiction Services <i>Kent State University Advanced Practice Psychiatric Mental Health Nursing FY24</i>		07/01/23 - 06/30/24	\$15,000

Other Sponsored Activity

Sonia Alemagno, College of Public Health The Elisabeth Severance Prentiss Foundation <i>The Kent State Mobile Wellness Unit</i>		09/01/23 - 08/31/25	\$200,000
Aurora Alexander, Community Outreach U.S. Department of Education <i>Kent State University Educational Opportunity Center</i>	Continuation	10/01/23 - 09/30/24	\$241,332
Rebecca Balogh Gates, Theatre and Dance Anthony Hardin, Theatre and Dance Ohio Arts Council <i>Porthouse Theatre/Kent State University FY24</i>		07/01/23 - 06/30/24	\$18,127
Denise Bartell, Academic Affairs Raikes Foundation <i>Student Experience Project Strategic Planning and Partnership for Scaling Advisor</i>		01/01/23 - 12/31/23	\$118,421

Joanne Caniglia, Teaching, Learning and Curriculum Studies Karl Kosko, Teaching, Learning and Curriculum Studies Maryam Zolfaghari, Teaching, Learning and Curriculum Studies The Sisler McFawn Foundation <i>Bringing Hope to School</i>	09/01/23 - 08/31/24	\$7,500
Matthew Cola, Tech Prep Subaward Cuyahoga Community College /Ohio Department of Education <i>Tech Prep FY24</i>	07/01/23 - 06/30/24	\$66,468
Lique Coolen, Academic Affairs Ohio Department of Higher Education <i>Great Minds Fellowship Program</i>	07/28/23 - 12/31/24	\$706,744
Danielle Green-Welch, Community Outreach Sonya Williams, Community Outreach Akron Community Foundation <i>First Star Summer Enrichment</i>	04/01/23 - 03/31/26	\$5,000
Sanhita Gupta, Geauga Campus Erin Bailey, Geauga Campus Llancyllius Williams, Geauga Campus U.S. Department of Labor <i>Training and Educational Materials Development - SHTG-FY-23-02</i>	09/30/23 - 09/30/24	\$75,000
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 Ohio Arts Council <i>Wick Poetry Center/Operating Support FY24</i>	07/01/23 - 06/30/24	\$30,030
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 Ohio Arts Council <i>Mapping Akron</i>	07/01/23 - 06/30/24	\$15,556
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 Ohio Arts Council <i>Traveling Stanzas Makerspace FY24</i>	07/01/23 - 06/30/24	\$16,292
Kimberly Laurene, Health Policy Management Deric Kenne, Health Policy Management Substance Abuse and Mental Health Services Administration <i>Northeast Ohio Mental Health Awareness Training (NEO MHAT)</i>	09/30/23 - 09/29/24	\$200,000
Jacqueline Marino, Media & Journalism Center for Rural Strategies <i>NewsLab/Ohio Newsroom Rural News Initiative</i>	07/01/23 - 12/31/23	\$7,500

David Mitchell, Tuscarawas Campus Ohio Arts Council <i>Ohio Artists on Tour</i>	10/01/23 - 04/30/24	\$15,000
David Mitchell, Tuscarawas Campus Ohio Arts Council <i>Performing Arts Center Kent State Univ at Tuscarawas/Operating Support FY24</i>	07/01/23 - 06/30/24	\$31,398
Jessica Paull, Salem Campus Marion G. Resch Foundation <i>Columbiana County Campuses' Rising Scholars (AY 2023-2024)</i>	06/10/23 - 06/09/24	\$85,000
Jessica Paull, Salem Campus Ohio Department of Higher Education <i>Kent State University Rural Scholars Program</i>	07/01/23 - 06/30/25	\$100,000
Kristenne Robison, Salem Campus Youngstown Area Jewish Federation <i>Supporting Justice-Involved Learners Educational Pathways</i>	08/01/23 - 07/31/24	\$5,000
Kristenne Robison, Salem Campus Ohio Department of Rehabilitation and Correction <i>ODRC Prison Education Proposal 2023-2025</i>	07/01/23 - 06/30/24	\$326,400
Sarah Rogers, Museum Ohio Arts Council <i>Kent State University Museum/Operating Support FY24</i>	07/01/23 - 06/30/24	\$29,624
Marty Ropog, Ohio Literacy Resource Center/Teaching, Learning and Curriculum Studies George Kamberelis, Teaching, Learning and Curriculum Studies Subaward Ohio Department of Higher Education /U.S. Department of Education <i>ODHE ASPIRE Workforce Readiness Education Program FY24</i>	07/01/23 - 06/30/24	\$1,352,848
Stephen Schillig, Tuscarawas Campus Subaward Stark County Regional Planning Commission /U.S. Department of Housing and Urban Development <i>Kent State Micro Enterprise Development Program: Economic Development of Small Business FY24</i>	07/01/23 - 06/30/24	\$32,000
Julia Stoll, Teaching, Learning and Curriculum Studies Ohio Department of Education <i>Early Childhood Education Grant, FY24</i>	07/01/23 - 06/30/24	\$42,500
Dayonna Taylor, IT Administration and Finance Ohio Department of Development <i>Ohio Tech Cred Round 20 (May 2023)</i>	04/01/23 - 07/31/24	\$14,289
Dean Tondiglia, Police Department Ohio Department of Public Safety <i>Canine Asset & Training</i>	07/01/23 - 06/30/24	\$12,000
H. Anderson Turner, Art Ohio Arts Council <i>School of Art Gallery/Operating Support FY24</i>	07/01/23 - 06/30/24	\$6,467

Sonya Williams, Community Outreach
 Kristenne Robison, Salem Campus
 U.S. Department of Justice
Kent State University Prison Reentry program

10/01/23 - 09/30/26 \$900,000

COMPARATIVE DATA

Fiscal Year to Date	FY 2022 - 2023	FY 2023 - 2024
Total Funding	\$ 11,859,479	\$ 12,624,663
Research	\$ 6,803,770	\$ 5,683,970
Instruction	\$ 1,747,234	\$ 2,280,197
Other Activity	\$ 3,308,475	\$ 4,660,496