

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

EXTRAMURAL FUNDING REPORT

**Funds awarded for
July- September 2023
\$11,859,479**

**Total funding to date
FY2022 - 2023
\$11,859,479**

Research

<p>Sanjaya Abeyirigunawardena, Chemistry National Institute of General Medical Sciences <i>Investigation of the key structural and sequence features essential for m6A recognition during post-transcriptional gene expression</i></p>	<p>Supplement 09/15/20 - 08/31/23 \$100,000</p>
<p>Sara Bayramzadeh, Architecture and Environmental Design Mary Anthony, Nursing Douglas Delahanty, Psychology Agency for Healthcare Research and Quality <i>Towards a Model of Safety and Care for Trauma Room Design</i></p>	<p>Continuation 09/30/22 - 09/29/23 \$578,735</p>
<p>Thomas Brewer, College of Public Health Bryan Caldwell, College of Podiatric Medicine Bethany Lanese, Health Policy Management American Podiatric Medical Association <i>Podiatry Research - APMA Additional Support</i></p>	<p>09/01/22 - 08/31/23 \$12,500</p>
<p>Thomas Brewer, College of Public Health Bryan Caldwell, College of Podiatric Medicine Amy Lane, Stark Campus Podiatry Foundation <i>Impact of Podiatric Care on Conditions of the Diabetic Foot</i></p>	<p>09/01/22 - 08/31/23 \$47,500</p>
<p>Mark Cassell, Political Science National Science Foundation <i>Collaborative Research: RUI: Bank type, bank market ecologies, and support of small businesses</i></p>	<p>09/01/22 - 08/31/24 \$83,960</p>
<p>L.C. Chien, Advanced Materials Liquid Crystal Institute/Chemical Physics Seurat Technologies, Inc. <i>Fast-switching light valves with polymerized liquid crystal photoalignment</i></p>	<p>08/25/22 - 07/14/25 \$298,787</p>
<p>Yanhai Du, College of Aeronautics and Engineering Subcontract Precision Combustion Inc. /U.S. Department of Energy <i>Additively-Manufactured Electrochemical-Chip Based Scalable Solid Oxide Fuel Cells</i></p>	<p>08/09/22 - 03/31/24 \$26,730</p>
<p>Pamela Ferguson, Research and Evaluation Bureau Anthony Shreffler, Research and Evaluation Bureau Subaward Richland Public Health /Centers for Disease Control and Prevention <i>Drug -Free Communities for the Richland County Youth Substance Coalition</i></p>	<p>Continuation 11/01/19 - 10/30/22 \$12,500</p>

Susan Fisk, Sociology National Science Foundation <i>Collaborative Research: BPC-AE: STARS: Catalyzing Action-Oriented Academic Communities for Broadening Participation in Computing</i>	Continuation	10/01/21 - 09/30/24	\$101,624
Susan Fisk, Sociology Clarissa Thompson, Psychology National Science Foundation <i>Collaborative Research: BPC-AE: STARS: Catalyzing Action-Oriented Academic Communities for Broadening Participation in Computing</i>	Supplement	10/01/21 - 09/30/24	\$80,874
Timothy Gallagher, Earth Sciences American Chemical Society <i>Understanding Organic Matter Linkages and Transformations across a Cretaceous Terrestrial- Marine Interface</i>		09/01/22 - 08/31/24	\$110,000
Timothy Gallagher, Earth Sciences National Science Foundation <i>Collaborative Research: BoCP-Design: US-South Africa: Turning CO2 to stone: the ecosystem service of the oxalate-carbonate pathway and its sensitivity to land use change</i>		01/01/23 - 12/31/25	\$349,676
Gregory Gibson, Sociology Richard Adams, Sociology Timothy Rose, Sociology Anthony Vander Horst, Sociology Subaward The Ohio State University /Centers for Medicaid and Medicare Services <i>Fiscal Intermediary, Provider Network Module, Centralized Credentialing, and Single Pharmacy Benefit Manager; Monitoring and Evaluation</i>		07/01/22 - 09/30/22	\$14,640
Peter Gordon, Mathematics United States-Israel Binational Science Foundation <i>Studies in Deflagration-to-Detonation Transition in Unconfined Systems</i>	Continuation	10/01/21 - 09/30/25	\$14,059
Qiang Guan, Computer Science National Science Foundation <i>Collaborative Research: PPOSS: Planning: Software Stack for Scalable Heterogeneous NISQ Cluster</i>		07/15/22 - 06/30/23	\$44,773
Qiang Guan, Computer Science Barry Dunietz, Chemistry Michael Strickland, Physics National Science Foundation <i>CyberTraining: Implementation: Small: Interactive and Integrated Training for Quantum Application Developers across Platforms</i>		11/01/22 - 10/31/25	\$500,000
David Hacker, Trumbull Campus U.S. Geological Survey <i>Geologic Mapping of Gravity Slide Structures in the Blind Spring Mountain 7.5-Minute Quadrangle, Utah</i>		09/02/22 - 09/01/23	\$17,910
Songping Huang, Chemistry National Science Foundation <i>NSF I-Corps Hub: Great Lakes Region</i>		06/10/22 - 12/31/22	\$1,000

Antal Jakli, Advanced Materials Liquid Crystal Institute/Physics James Gleeson, Physics Samuel Sprunt, Physics Robert Twieg, Chemistry National Science Foundation <i>Electromechanical Effects of Ferroelectric Nematic Liquid Crystals</i>	09/01/22 - 08/31/26	\$201,970
Antal Jakli, Advanced Materials Liquid Crystal Institute/Physics Dena Agra-Kooijman, Physics Subcontract Aerodynamic Technologies, Inc. /U.S. Office of Naval Research <i>Development of High-Resolution Global Wall Shear Stress Measurement Technique for use in Hypersonic Flow Studies- Phase I Option</i>	08/18/22 - 12/31/23	\$329,722
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 09/30/22 - 09/29/23	\$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
Gary Koski, Biological Sciences Cellular Technology Limited <i>Hyperimmunized Mouse Spleens Research Services</i>	04/21/22 - 04/20/25	\$81,000
Darci Kracht, Mathematics National Security Administration <i>Pi Mu Epsilon National Meeting Student Travel Funding 2023</i>	01/01/23 - 12/31/23	\$25,000
Kimberly Laurene, Health Policy Management Substance Abuse and Mental Health Services Administration <i>More Aware</i>	Continuation 09/30/22 - 09/29/23	\$102,000
Oleg Lavrentovich, Advanced Materials Liquid Crystal Institute/Physics National Science Foundation <i>Collaborative Research: Highly ordered concentric multilayer nanostructures with probable liquid crystalline features from rigid sphere-rod amphiphiles in solution</i>	08/15/22 - 07/31/25	\$113,018
Lori Lee, Ashtabula Campus Edward Trebets, Ashtabula Campus Ohio Grape Industries Committee <i>OGIC Enology Research Grant</i>	Continuation 08/04/22 - 06/30/23	\$90,000
Xiang Lian, Computer Science Qiang Guan, Computer Science National Science Foundation <i>Collaborative Research: PPOSS: Planning: Efficient and Scalable Learning and Management of Distributed Probabilistic Graphs</i>	10/01/22 - 09/30/23	\$101,020

Jonathan Maletic, Computer Science National Science Foundation <i>REU Supplement: CCRI: ENS: Collaborative Research: Enabling Automated Language Support for the srcML Infrastructure</i>	Supplement	07/15/20 - 06/30/23	\$10,000
Hanbin Mao, Chemistry National Cancer Institute <i>Specific Recognition of G-quadruplexes</i>	Continuation	09/01/22 - 08/31/23	\$308,882
Spyridon Margetis, Physics U.S. Department of Energy <i>Intergovernmental Personnel Assignment with the U.S. Department of Energy</i>		11/01/21 - 10/31/22	\$224,474
Xiaozhen Mou, Biological Sciences Melissa Zullo, Biostatistics/Epidemiology/Environmental Health Subcontract Ohio Department of Health /Centers for Disease Control and Prevention <i>State of Ohio wastewater SARS-CoV-2 surveillance subaward</i>		09/19/22 - 06/30/23	\$295,069
Bridget Mulvey, Teaching, Learning and Curriculum Studies Shannon Navy, Teaching, Learning and Curriculum Studies Elena Novak, Teaching, Learning and Curriculum Studies Martha Holden Jennings Foundation <i>Elementary Design for 3D STEM</i>		08/01/22 - 07/31/23	\$15,000
Colleen Novak, Biological Sciences Subaward Northeast Ohio Medical University /USA Medical Research Acquisition Activity <i>Exercise Effects on Synuclein Aggregation, Neuroinflammation, and Neurodegeneration</i>		06/01/22 - 09/14/22	\$10,000
Joseph Ortiz, Earth Sciences Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration <i>Ohio Space Grant Consortium Education Scholarship Fall 2022</i>	Continuation	08/15/22 - 12/31/22	\$2,000
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	09/01/22 - 08/31/23	\$346,513
Peter Palffy-Muhoray, Advanced Materials Liquid Crystal Institute/Mathematics Subaward University of Massachusetts, Amherst /U.S. Office of Naval Research <i>Photomechanical Material Systems: From Molecules to Devices</i>	Continuation	06/01/18 - 05/31/23	\$240,000
Liz Piatt, University College U.S. Department of Education <i>Kent State University McNair Scholars Program</i>		10/01/22 - 09/30/23	\$272,364
Thorsten-Lars Schmidt, Physics National Institute of General Medical Sciences <i>Small and Mechanosensitive Membrane Proteins Studied with DNA-based Tools</i>	Continuation	07/01/22 - 06/30/23	\$373,551

Thorsten-Lars Schmidt, Physics National Institute of General Medical Sciences <i>Small and Mechanosensitive Membrane Proteins Studied with DNA-based Tools</i>	Supplement	07/01/22 - 06/30/23	\$250,000
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>		09/01/22 - 08/31/25	\$321,917
Gokarna Sharma, Computer Science Subaward University of Akron /National Science Foundation <i>NSF I-Corps Hub: Great Lakes Region</i>		02/25/22 - 12/31/22	\$1,000
Andrew Snyder, College of Public Health The Cleveland Foundation <i>Greater Cleveland LGBTQ+ Community Needs Assessment</i>		07/01/22 - 06/30/24	\$150,000
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	07/01/22 - 06/30/23	\$1,500
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 PPIy2 in sperm</i>		08/01/22 - 07/31/24	\$76,000

Instruction

Sonia Alemagno, College of Public Health Jennifer Miller, College of Public Health Ohio Department of Higher Education <i>Choose Ohio First Scholarship Program: Scholarships in STEMM at Kent State University in Public Health</i>	Continuation	07/01/22 - 06/30/23	\$28,000
Salma Benhaida, Office of Global Education Subaward International Research and Exchanges Board /U.S. Department of State <i>Global Undergraduate Exchange Program in Pakistan - Fall 2022 student</i>	Continuation	08/15/22 - 12/31/22	\$13,961
Salma Benhaida, Office of Global Education Subaward World Learning /U.S. Department of State <i>2022 Spring Global Undergraduate Exchange Program (Global UGRAD) - additional students</i>	Continuation	01/01/22 - 05/31/22	\$16,776
Joanne Caniglia, Teaching, Learning and Curriculum Studies Rhonda Hylton, Teaching, Learning and Curriculum Studies Subaward Ohio Department of Education /U.S. Department of Education <i>The Kent State Tutoring Project</i>		05/27/22 - 06/30/23	\$490,065
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	\$249,979

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>	09/01/22 - 08/31/23	\$90,003
Aloysius Kasturiarachi, Stark Campus Christine Kauth, Stark Campus Gregory A Smith, Stark Campus Ohio Department of Higher Education <i>Choose Ohio First Scholarship Program: Scholarships in STEMM at Kent State University - Stark</i>	Continuation 07/01/22 - 06/30/23	\$79,800
Edgar Kooijman, Biological Sciences Ohio Department of Higher Education <i>Choose Ohio First Scholarship Program: Career Pathways in STEM-Life Sciences: Advancing the human condition with technology</i>	Continuation 07/01/22 - 06/30/23	\$125,000
Tracey Motter, Nursing Christine Kauth, Stark Campus Ohio Department of Higher Education <i>Choose Ohio First Scholarship Program: Linked-In to Practice BSN Program</i>	Continuation 07/01/22 - 06/30/23	\$94,500
Davison Mupinga, Teaching, Learning and Curriculum Studies Subaward Ohio Department of Education /U.S. Department of Education <i>CTE Teacher Preparation and Retention FY23</i>	07/01/22 - 06/30/23	\$100,000
Frank Sansosti, Lifespan Development and Educational Sciences Ohio Department of Education <i>School Psychology Internship Coordination and Recruitment Kent State University School Psychology Program (FY 23)</i>	07/01/22 - 06/30/23	\$10,000
Evgenia Soprunova, Mathematics Darci Kracht, Mathematics Andrew Tonge, Mathematics Ohio Department of Higher Education <i>Choose Ohio First Scholarship Program: Careers in Mathematics and Computer Science</i>	Continuation 07/01/22 - 06/30/23	\$373,650
Michael Tubergen, Chemistry Robin Selinger, Advanced Materials Liquid Crystal Institute/Physics Ohio Department of Higher Education <i>Choose Ohio First Scholarship Program: Workforce Training for Ohio's STEM Industries</i>	Continuation 07/01/22 - 06/30/23	\$60,500
James Tudhope, Nursing Ohio Mental Health and Addiction Services <i>Kent State University Advanced Practice Psychiatric Mental Health Nursing FY23</i>	07/01/22 - 06/30/23	\$15,000

Other Sponsored Activity

Aurora Alexander, Community Outreach U.S. Department of Education <i>Kent State University Educational Opportunity Center</i>	Continuation 10/01/22 - 09/30/23	\$232,050
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Rebecca Balogh Gates, Theatre and Dance Ohio Arts Council <i>Operating Support for Kent State University Porthouse Theatre - FY2023 OAC Sustainability</i>		07/01/22 - 06/30/23	\$18,092
Adam Cinderich, University College Academic Diversity Success U.S. Department of Education <i>Kent State University Student Support Services Program</i>	Continuation	09/01/22 - 08/31/23	\$527,601
Matthew Cola, Tech Prep Subaward Cuyahoga Community College /Ohio Department of Education <i>Tech Prep FY23 Funding</i>		07/01/22 - 06/30/23	\$62,468
Sanhita Gupta, Geauga Campus Llancyllius Williams, Geauga Campus U.S. Department of Labor <i>Building a Foundational Capacity for OSHA Training in Geauga County</i>		09/30/22 - 09/30/23	\$74,193
Jeffrey Harrell, Upward Bound Sonya Williams, Community Outreach U.S. Department of Education <i>Kent State University Upward Bound Math Science</i>		09/01/22 - 08/31/24	\$312,480
David Hassler, Wick Poetry Program/Arts and Sciences Jessica Jewell, Wick Poetry Program/Arts and Sciences Poetry Foundation <i>Poetry Foundation Renewal and Recovery</i>		08/01/22 - 07/31/23	\$7,500
David Hassler, Wick Poetry Program/Arts and Sciences Jessica Jewell, Wick Poetry Program/Arts and Sciences Charles Malone, Wick Poetry Program/Arts and Sciences Linda Mihalik, Continuing Studies Ohio Arts Council <i>Park Stanzas</i>		07/01/22 - 06/30/23	\$14,505
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 Mobile Makerspace: Mapping Home</i>		07/01/22 - 06/30/23	\$12,945
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 FY 2023 - Sustainability Grant</i>		07/01/22 - 06/30/23	\$29,239
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 National Endowment for the Arts <i>The Healing Stanzas Poetry Series</i>		06/01/22 - 05/31/23	\$18,000

Pamela Hutchins, Child Development Center/Teaching, Learning and Curriculum Studies Subaward Ohio Child Care Resource and Referral Association /Ohio Department of Jobs and Family Services <i>Child Care Pandemic Grant (COVID-19): Phase 2</i>	02/01/22 - 06/30/22	\$99,148
Pamela Hutchins, Child Development Center/Teaching, Learning and Curriculum Studies Subaward Ohio Child Care Resource and Referral Association /Ohio Department of Jobs and Family Services <i>Child Care Pandemic Grant (COVID-19): Phase 3</i>	07/01/22 - 06/30/23	\$220,500
Deric Kenne, Health Policy Management Substance Abuse and Mental Health Services Administration <i>Summit County MAT Expansion (Sc-MATx)</i>	Continuation 09/30/22 - 09/29/23	\$525,000
Yuko Kurahashi, Theatre and Dance Subaward Arts Midwest /National Endowment for the Arts <i>Rhiana Yazzie Lecture and Workshops</i>	07/01/22 - 06/30/23	\$2,500
David Mitchell, Tuscarawas Campus Ohio Arts Council <i>Operating Support for Tuscarawas Performing Arts Center - FY2023 OAC Sustainability</i>	07/01/22 - 06/30/23	\$29,603
David Mitchell, Tuscarawas Campus Ohio Arts Council <i>OAC Artists on Tour 2022-2023</i>	09/01/22 - 04/30/23	\$6,750
Kristenne Robison, Salem Campus Youngstown Area Jewish Federation <i>Expanding Technology to Justice-involved Learners</i>	07/01/22 - 06/30/23	\$2,500
Sarah Rogers, Museum Ohio Arts Council <i>KSU Museum Operating Support FY 2023 - Sustainability</i>	07/01/22 - 06/30/23	\$30,041
Marty Ropog, Ohio Literacy Resource Center/Teaching, Learning and Curriculum Studies Martha Lash, Teaching, Learning and Curriculum Studies Subaward Ohio Department of Higher Education /U.S. Department of Education <i>ODHE Aspire FY2023</i>	07/01/22 - 06/30/23	\$1,020,199
Julia Stoll, Teaching, Learning and Curriculum Studies Ohio Department of Education <i>Early Childhood Education Grant, FY23</i>	07/01/22 - 06/30/23	\$24,000
Dean Tondiglia, Police Department Ohio Department of Public Safety <i>Use of an Explosives Detecting Canine</i>	Continuation 07/01/22 - 06/30/23	\$12,000
H. Anderson Turner, Art Ohio Arts Council <i>School of Art Collection and Galleries Exhibition Support FY 2023 Sustainability</i>	07/01/22 - 06/30/23	\$7,160
Tiffany Tyree, Trumbull Campus Howmet Aerospace Foundation <i>Kent State Trumbull Rising Scholars Program</i>	09/01/22 - 06/30/23	\$20,000

COMPARATIVE DATA

Fiscal Year to Date	FY 2021 - 2022	FY 2022 - 2023
Total Funding	\$ 17,779,917	\$ 11,859,479
Research	\$ 9,655,944	\$ 6,803,770
Instruction	\$ 2,290,702	\$ 1,747,234
Other Activity	\$ 5,833,271	\$ 3,308,475