

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

**EXTRAMURAL FUNDING REPORT**

**Funds awarded for**  
**January - March 2023**  
**\$6,336,411**

**Total funding to date**  
**FY2022 - 2023**  
**\$22,807,468**

**Research**

Christine Bahlai, Biological Sciences Subaward University of Connecticut /National Science Foundation <i>RCN: An International Network to Assess the Status of Insects</i>	08/01/22 - 07/31/23	\$2,832
Gargi Bhaduri, Fashion Design and Merchandising Cotton Incorporated <i>From Concept to Consumer: Development of a Modular Project Adaptable to Multiple Courses using CottonWorks as the Primary Learning Resource</i>	01/01/23 - 12/31/23	\$10,000
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>	Additional 10/01/22 - 06/30/23	\$23,000
Heather Caldwell, Biological Sciences National Institute of Child Health and Human Development <i>Understanding the central embryonic vasopressin system</i>	01/02/23 - 12/31/25	\$456,000
Aldo Cimino, Anthropology Pennsylvania State University <i>Ritual Fungibility in Modern Fraternities: Pilot Study</i>	11/03/22 - 04/30/23	\$1,518
Patrick Dillon, Stark Campus Subaward University of Memphis /Substance Abuse and Mental Health Services Administration <i>MAT- Opioid Mending Hearts Evaluation Project/SAMHSA</i>	10/01/21 - 09/30/22	\$5,693
Patrick Dillon, Stark Campus Subaward University of Memphis /Substance Abuse and Mental Health Services Administration <i>MAT- Opioid Mending Hearts Evaluation Project/SAMHSA</i>	Continuation 10/01/22 - 09/29/23	\$5,909
Patrick Dillon, Stark Campus Subaward University of Memphis /Substance Abuse and Mental Health Services Administration <i>MAT- Opioid Buffalo Valley Evaluation Project/SAMHSA</i>	10/01/21 - 09/30/22	\$5,693
Patrick Dillon, Stark Campus Subaward University of Memphis /Substance Abuse and Mental Health Services Administration <i>MAT- Opioid Buffalo Valley Evaluation Project/SAMHSA</i>	Continuation 09/30/22 - 09/29/23	\$5,909

Paul Dykshoorn, Tuscarawas Campus Hossein Mirinejad, College of Aeronautics and Engineering Subcontract Lorain County Community College /Intel Corporation <i>Ohio TechNet Northeast Ohio Semiconductor Workforce Consortium</i>		12/23/22 - 08/31/23	\$29,000
Metin Eren, Anthropology Michelle Bebbler, Anthropology Subcontract Battelle Memorial Institute, Pacific Northwest Division /U.S. Department of Energy <i>Compass Project: Field, Measurements, and Experiments</i>		03/01/23 - 09/30/23	\$24,994
Benjamin Fregoso, Physics National Science Foundation <i>Towards a Unified Framework of Quantum Dynamics of Nonlinear Optical and Transport Processes</i>	Continuation	01/01/21 - 12/31/24	\$95,634
Gregory Gibson, Sociology Matthew Pfeiffer, Sociology Anthony Vander Horst, Sociology Subaward Office of Criminal Justice Services /U.S. Department of Justice <i>OCJS Project Stakeholder Survey</i>		12/01/22 - 04/30/23	\$21,672
Gregory Gibson, Sociology Richard Adams, Sociology Anthony Vander Horst, Sociology Subaward Maryland Department of Health /Centers for Disease Control and Prevention <i>Maryland PRAMS</i>	Continuation	05/01/23 - 04/30/24	\$63,575
Qiang Guan, Computer Science National Science Foundation <i>CAREER: The Research of Noise-Aware Scheduling for Noisy Intermediate-Scale Quantum Systems</i>		06/01/23 - 05/31/28	\$568,627
John Gunstad, Psychology National Institute on Aging <i>Spontaneous Speech and Health Disparities in Risk of Cognitive Decline: WHICAP Offspring Ancillary Study</i>	Continuation	12/01/22 - 11/30/23	\$656,645
Jeffrey Hallam, Social and Behavioral Sciences Vinay Cheruvu, Biostatistics/Epidemiology/Environmental Health Oriana House, Inc. <i>Oriana House Inc Co-Op - Spring 2023</i>		01/11/23 - 05/16/23	\$6,750
Songping Huang, Chemistry Min-Ho Kim, Biological Sciences National Institute of Allergy and Infectious Diseases <i>A broad-spectrum antimicrobial ointment containing Bi2O3 NPs for skin and soft tissue infections by multidrug-resistant bacteria</i>		01/19/23 - 12/31/23	\$89,153
Antal Jakli, Advanced Materials Liquid Crystal Institute/Physics Torsten Hegmann, Advanced Materials Liquid Crystals Institute NewSight Reality, Inc. <i>Nano-PDLCs for optical applications</i>	Continuation	03/01/23 - 08/31/23	\$142,590

Deric Kenne, Health Policy Management Subaward Health Recovery Services, Inc. /Substance Abuse and Mental Health Services Administration <i>Health Recovery Services Inc - Medication Assisted Treatment</i>	09/30/22 - 09/29/23	\$134,679
Lauren Kinsman-Costello, Biological Sciences Christine Bahlai, Biological Sciences David Costello, Biological Sciences Subaward The Ohio State University & The Ohio Department of Natural Resources /U.S. Environmental Protection Agency <i>H2Ohio Wetland Monitoring Sensor Infrastructure &amp; Capacity</i>	10/01/22 - 09/30/23	\$845,380
Karl Kosko, Teaching, Learning and Curriculum Studies Rick Ferdig, Lifespan Development and Educational Sciences Qiang Guan, Computer Science The Jaffe Foundation <i>Designing a Machine Learning Tool to Assess Children's Fraction Arithmetic</i>	01/01/23 - 12/31/23	\$101,929
Karl Kosko, Teaching, Learning and Curriculum Studies Joanne Caniglia, Teaching, Learning and Curriculum Studies Pamela Ferguson, Research and Evaluation Bureau Martha Holden Jennings Foundation <i>Visualizing Math via Manipulatives</i>	03/01/23 - 02/29/24	\$14,940
Mourad Krifa, Fashion Design and Merchandising Cotton Incorporated <i>Cotton and Social Media Literacy: Critical Thinking and Evidence-Based Information Discernment in the Undergraduate Classroom</i>	01/01/23 - 12/31/23	\$37,500
Felix Kumah-Abiwu, Africana Studies Subaward U.S. Embassy South Africa & University of Fort Hare /U.S. Department of State <i>Heritage Ubuntu Research between South Africa and the United States</i>	10/01/21 - 09/30/23	\$50,000
Oleg Lavrentovich, Advanced Materials Liquid Crystal Institute/Physics CareGlance Srl <i>Nematic cells for fast electro-optic switching</i>	09/01/22 - 08/31/24	\$20,000
Mei-Chen Lin, Communication Studies National Communication Association <i>The effect of VR contact on American domestic students' attitudes toward international students</i>	01/01/23 - 12/31/23	\$11,588
Elizabeth Mann, Physics National Science Foundation <i>Intergovernmental Personnel Act (IPA) Assignment</i>	01/17/23 - 01/16/24	\$187,714
Hanbin Mao, Chemistry Yaorong Zheng, Chemistry National Cancer Institute <i>Mechanical Modulation of Cell Migrations by DNA Nanoassemblies</i>	04/01/23 - 03/31/24	\$341,588
Aleisha Moore, Biological Sciences National Institute of Child Health and Human Development <i>The role of Kisspeptin/Neurokinin B/Dynorphin (KNDy) neurons in the pathogenesis of polycystic ovarian syndrome</i>	Continuation 03/01/23 - 02/29/24	\$231,663

Devin Mueller, Biological Sciences Subaward Ponce Medical School Foundation, Inc. (PMSF) /National Institute on Minority Health and Health Disparities <i>Effect of early-life neglect and cocaine use on PTSD-like behaviors</i>		03/01/23 - 02/29/24	\$23,343
Jennifer O'Connell, Sexual & Relationship Violence Support Services Ohio Department of Higher Education <i>Kent Community Safe Bars Training</i>		01/01/23 - 08/31/23	\$7,500
Peter Palffy-Muhoray, Advanced Materials Liquid Crystal Institute/Mathematics Xiaoyu Zheng, Mathematics Subaward AlphaMicron & Parallax Advanced Research /Ohio Federal Research Network <i>Electronically Dimmable Electronic Eyewear</i>	Continuation	10/28/21 - 06/30/23	\$121,500
Noel Palomo-Lovinski, Fashion Design and Merchandising Cotton Incorporated <i>Understanding Cotton's Sustainable Impact through LCAs</i>		01/01/23 - 12/31/23	\$9,994
Mary Ann Raghanti, Anthropology Melissa Edler, Biomedical Sciences/Anthropology Subaward MD Anderson Cancer Center /National Institute on Aging <i>Alzheimer's Disease Pathology in a Primate Model</i>	Continuation	02/15/23 - 01/31/24	\$227,378
Krissi Riewe, Fashion Design and Merchandising Cotton Incorporated <i>Creative Design with Cotton in a Digital Age</i>		01/01/23 - 05/31/23	\$7,500
Kristenne Robison, Salem Campus Alliance for Higher Education in Prison <i>The Higher Education in Prison Landscape Project Cohort Program</i>		10/01/22 - 09/30/23	\$20,000
Andrew Snyder, College of Public Health The George Gund Foundation <i>Greater Cleveland LGBTQ+ Community Needs Assessment</i>		03/01/23 - 12/31/24	\$75,000
Andrew Snyder, College of Public Health The Mt. Sinai Health Care Foundation <i>Greater Cleveland LGBTQ+ Community Needs Assessment</i>		03/10/23 - 03/10/25	\$75,000
Matthew Stefanak, College of Public Health Mahoning County District Board of Health <i>Mahoning County Strategic Plan</i>		09/01/22 - 03/31/23	\$7,000
Mary Step, Social and Behavioral Sciences The MetroHealth System <i>MetroHealth Positive Peers 2022-2023</i>		08/21/22 - 08/20/23	\$26,028
Nathan Stevenson, Lifespan Development and Educational Sciences University of Alabama <i>Project CLIMB: Consultation for Learning and Interactive Mastery Building</i>		09/01/23 - 08/31/26	\$45,000
Michael Strickland, Physics U.S. Department of Energy <i>Non-equilibrium Dynamics of the Quark Gluon Plasma</i>	Continuation	03/01/23 - 02/29/24	\$230,000

Allyson Tessin, Earth Sciences National Science Foundation <i>Role of Ice Sheet Instability in Marine Carbon and Nutrient Cycling in the Eurasian Arctic</i>		05/01/23 - 04/30/26	\$248,140
Artem Zvavitch, Mathematics Dmitry Ryabogin, Mathematics United States-Israel Binational Science Foundation <i>Convex and integral geometry and its relations to harmonic analysis and representation theory</i>	Continuation	10/01/22 - 09/30/23	\$18,725

## Instruction

Sonia Alemagno, College of Public Health Subaward The MetroHealth System /Health Resources and Services Administration <i>Community Health Worker Training Program</i>		09/15/22 - 09/14/23	\$216,914
Salma Benhaida, Office of Global Education Subaward World Learning /U.S. Department of State <i>Global Undergraduate Exchange Program (Global UGRAD) - Summer 2022 Student</i>	Continuation	05/01/23 - 08/31/23	\$7,696
Lique Coolen, Brain Health Resesarch Institute/Biological Sciences Wilson Chung, Biological Sciences Paul Dykshoorn, Tuscarawas Campus Michael Fisch, College of Aeronautics and Engineering David Kaplan, Geography Aloysius Kasturiarachi, Stark Campus Edgar Kooijman, Biological Sciences Evgenia Soprunova, Mathematics Michael Tubergen, Chemistry Ohio Department of Higher Education <i>Choose Ohio First Scholar Program at Kent State University</i>	Continuation	07/01/22 - 06/30/23	\$163,429
Lique Coolen, Brain Health Resesarch Institute/Biological Sciences Dana Lawless-Andric, Diversity, Equity and Inclusion Ohio Department of Higher Education <i>Choose Ohio First Scholar Program at Kent State University</i>		05/01/23 - 06/30/28	\$68,571

## Other Sponsored Activity

William Beisel, Tuscarawas Campus Paul Dykshoorn, Tuscarawas Campus U.S. Department of Labor <i>Multi-County Advanced Manufacturing Corridor (MCAMC)</i>		03/01/23 - 02/28/25	\$250,000
Matthew Cola, Tech Prep Subaward Cuyahoga Community College /Ohio Department of Education <i>Tech Prep FY23 Funding</i>	Supplement	07/01/22 - 06/30/23	\$4,000
Ken Ditlevson, LGBTQ Center/Diversity, Equity and Inclusion Jessica Denmon, Diversity, Equity and Inclusion Akron Community Foundation <i>To support QUEST mentorship program</i>		03/03/23 - 03/03/25	\$3,000

Constance Hawke, Compliance and Risk Management David Poluga, Compliance and Risk Management Ohio Department of Transportation <i>Airport Improvement Program Grant (Match for FAA grant (3-39-0042-022-2022))</i>	09/01/22 - 09/30/24	\$8,333
Amanda Johnson, Center for International and Intercultural Education Debora Rozner, English as a Second Language Subaward Institute of International Education, Inc. /U.S. Department of State <i>Kent State Fulbright Pre-Academic Program</i>	03/23/23 - 10/20/23	\$224,650
Jacqueline Marino, Journalism and Mass Communication Rosalie Murphy, Journalism and Mass Communication Susan Zake, Journalism and Mass Communication Media in the Public Interest <i>The Kent State-Ohio News Connection Reporting Project</i>	Continuation 11/30/22 - 12/01/23	\$6,040
Jessica Paull, Salem Campus Foundation for Appalachian Ohio <i>Youth Resiliency Capacity Building for East Palestine Rising Scholars</i>	03/01/23 - 05/15/23	\$1,995
Jennifer Rice, University Libraries Subaward State Library of Ohio /Institute of Museum and Library Services <i>Celebrating Ohio Book Awards &amp; Authors</i>	03/01/23 - 05/31/23	\$2,000
Dean Tondiglia, Police Department Subaward Ohio Emergency Management Agency /United States Department of Treasury <i>ARPA First Responder Wellness, Recruitment, Retention &amp; Resiliency</i>	07/01/22 - 12/31/24	\$45,500

## COMPARATIVE DATA

Fiscal Year to Date	FY 2021 - 2022	FY 2022 - 2023
<b>Total Funding</b>	<b>\$ 28,127,176</b>	<b>\$ 22,807,468</b>
<b>Research</b>	<b>\$ 15,507,544</b>	<b>\$ 15,317,959</b>
<b>Instruction</b>	<b>\$ 2,398,990</b>	<b>\$ 2,708,324</b>
<b>Other Activity</b>	<b>\$ 10,220,641</b>	<b>\$ 4,781,186</b>