

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

EXTRAMURAL FUNDING REPORT

Funds awarded for
April- June2022
\$8,294,050

Total funding to date
FY2021 - 2022
\$36,421,226

Research

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| 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 | \$318,061 |
| Yossef Ben-Porath, Psychology University of Minnesota <i>Further Development of MMPI-3</i> | 07/01/22 - 06/30/23 | \$136,698 |
| Andrea Case, Biological Sciences Christopher Blackwood, Biological Sciences National Science Foundation <i>Collaborative BEE: Ecological and evolutionary processes affecting the co-existence of close relatives - REU supplement</i> | Supplement 06/01/22 - 08/31/25 | \$9,000 |
| L.C. Chien, Advanced Materials Liquid Crystal Institute/Chemical Physics Industry Partner <i>Smart Liquid Crystal Windows Phase IV</i> | Continuation 07/01/22 - 06/30/23 | \$136,956 |
| Karin Coifman, Psychology Douglas Delahanty, Psychology John Gunstad, Psychology National Institute of Mental Health <i>Unpacking Emotion Inflexibility and Prospective Prediction of Affective Disease</i> | Supplement 01/01/22 - 12/31/22 | \$53,668 |
| Matthew Crawford, History Ohio History Connection <i>Liquid Crystal Oral History Project</i> | 08/01/22 - 08/31/23 | \$16,000 |
| Douglas Delahanty, Psychology Conquer Chiari Foundation <i>Does coaching effect the impact of online acceptance and commitment therapy for chronic pain in a sample of people with CM?</i> | 07/01/22 - 12/31/23 | \$74,111 |
| Christopher Dum, Sociology Elias Nader, Sociology Starr Solomon, Sociology Subaward Bowling Green State University /Attorney General of Ohio <i>Bail Reform in Ohio: A Mixed Methods Approach to Inform Public Policy</i> | 04/25/22 - 06/30/23 | \$89,992 |

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| Maxim Dzero, Physics National Science Foundation <i>Electronic Correlations and Disorder in Berry materials</i> | Continuation | 08/01/20 - 07/31/23 | \$112,719 |
| Pamela Ferguson, Research and Evaluation Bureau Alchemy Inc. <i>Alchemy, Inc. 2022: Program Evaluation</i> | | 04/01/22 - 07/31/22 | \$5,000 |
| Pamela Ferguson, Research and Evaluation Bureau Anthony Shreffler, Research and Evaluation Bureau Burton D. Morgan Foundation <i>EntrepreNEW Evaluation and Reliability/Validity Study 2022</i> | | 04/01/22 - 12/31/22 | \$15,303 |
| Pamela Ferguson, Research and Evaluation Bureau Akron Art Museum <i>Akron Art Museum Programming Evaluation 2022</i> | | 04/15/22 - 12/31/22 | \$5,000 |
| Michael Fisch, College of Aeronautics and Engineering National Science Foundation <i>US-Ireland R&D Partnership: Structure-property relationships of new polar liquid crystalline phases through synthesis and characterization using a range of analytical techniques</i> | | 07/01/22 - 06/30/25 | \$511,885 |
| Christopher Flessner, Psychology Subaward HabitAware, Inc. /National Institute of Mental Health <i>Technology Assisted Treatment for Trichotillomania</i> | | 02/01/22 - 12/31/22 | \$47,191 |
| 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 | 05/01/22 - 04/30/23 | \$62,328 |
| Gregory Gibson, Sociology Richard Adams, Sociology Subcontract State of Minnesota /Centers for Disease Control and Prevention <i>Minnesota PRAMS</i> | Additional | 07/01/20 - 06/30/22 | \$1,528 |
| Gregory Gibson, Sociology Richard Adams, Sociology Anthony Vander Horst, Sociology Subcontract Indiana Department of Health /Centers for Disease Control and Prevention <i>Indiana PRAMS</i> | Continuation | 07/01/22 - 06/30/23 | \$183,983 |
| Qiang Guan, Computer Science National Science Foundation <i>OAC Core: Interpretable Resilience Analysis Platform for Scientific Workflow Applications</i> | | 09/01/22 - 08/31/25 | \$574,640 |
| John Gunstad, Psychology Jeffrey Ciesla, Psychology National Institute on Aging <i>Spontaneous Speech and Health Disparities in Risk of Cognitive Decline: WHICAP Offspring Ancillary Study</i> | Additional | 12/01/21 - 11/30/22 | \$61,551 |

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| Dana Hansen, Nursing Subaward Northeast Ohio Medical University /Health Resources and Services Administration <i>Health and Public Safety Workforce Resiliency Training Program</i> | | 01/01/22 - 12/31/22 | \$17,405 |
| John Hoornbeek, Health Policy Management ConxusNEO <i>Conxus - expansion supplement</i> | Supplement | 06/01/22 - 05/31/23 | \$19,479 |
| Adam Jajtner, Health Sciences Rivera Rivera, Health Sciences National Strength and Conditioning Association <i>Effects of Myofascial Release on Athletic Performance and Recovery Following Resistance Exercise</i> | | 07/01/22 - 06/30/23 | \$14,999 |
| Anne Jefferson, Geology National Science Foundation <i>Geomorphic effects and distribution of anthropogenic debris in urban streams - REU Supplement</i> | Supplement | 08/01/20 - 07/31/23 | \$15,700 |
| Declan Keane, Physics Spyridon Margetis, Physics U.S. Department of Energy <i>Heavy Ion Collisions over a Range of Relativistic Energies</i> | Continuation | 04/01/22 - 03/31/23 | \$410,000 |
| Javed Khan, Computer Science Philip Thomas, IT Enterprise Research Technology & Support National Science Foundation <i>CC* Compute: Accelerating Compute Driven Science Through a Sharable High Performance Computing Cluster in Kent State Multi-Campus System</i> | | 05/01/22 - 04/30/24 | \$400,000 |
| Min-Ho Kim, Biological Sciences Woo-Yang Kim, Biological Sciences National Institute on Aging <i>Magnetothermal brain stimulation towards the rescue of beta-amyloid pathology</i> | | 05/15/22 - 04/30/23 | \$377,200 |
| 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> | | 04/01/22 - 03/31/25 | \$125,624 |
| Kiwon Lee, Foundations, Leadership and Administration Foodservice Systems Management Education Council <i>Effects of a yellow face on university students' recycling behavior at college cafeteria</i> | | 12/01/21 - 12/31/22 | \$2,000 |
| Hanbin Mao, Chemistry Subcontract University of Southern Denmark /Lundbeck Foundation <i>Isolating amyloid peptide oligomers at a single-molecule level</i> | | 07/01/21 - 06/30/23 | \$77,908 |
| 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> | Additional | 03/01/22 - 02/28/23 | \$24,016 |

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| Bridget Mulvey, Teaching, Learning and Curriculum Studies David Singer, Geology Martha Holden Jennings Foundation <i>Science for Community Change</i> | 07/15/22 - 07/14/23 | \$24,018 |
| Fedor Nazarov, Mathematics National Science Foundation <i>Collaborative Research: Non-homogeneous Harmonic Analysis, Spectral Theory, and Weighted Norm Estimates</i> | 06/01/22 - 05/31/25 | \$222,051 |
| Joseph Ortiz, Geology Subaward Ohio Space Grant Consortium /Ohio Department of Higher Education <i>Ohio Space Grant Consortium State-Funded Fellowships</i> | 08/15/22 - 12/31/22 | \$20,000 |
| Joseph Ortiz, Geology Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration <i>OSGC Summer 2022 Internship</i> | 05/23/22 - 08/05/22 | \$7,300 |
| Joseph Ortiz, Geology Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration <i>Ohio Space Grant Consortium Education Scholarship Fall 2022</i> | 08/15/22 - 12/31/22 | \$2,000 |
| Joseph Ortiz, Geology Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration <i>Ohio Space Grant Consortium STEM Scholarships Fall 2022</i> | 08/15/22 - 12/31/22 | \$7,500 |
| Joseph Ortiz, Geology Ohio Department of Higher Education <i>Ohio Space Grant Consortium State-Funded Scholarships - Fall 2022</i> | 08/15/22 - 12/31/22 | \$3,500 |
| Dhruba Panthi, Tuscarawas Campus Farris Family Fund -Kent State University Foundation <i>Hydrogen Production and Electrochemical Reduction of CO2 using High-Performance Solid Oxide Electrolysis Cells</i> | 09/01/22 - 08/31/25 | \$24,000 |
| Helen Piontkivska, Biological Sciences Subaward University of Florida /National Institute on Aging <i>Mechanisms of Gonadotropin Action on Cognition and Neuronal Remodeling in Aging and Alzheimer's Disease</i> | Continuation 04/15/21 - 08/31/22 | \$16,309 |
| Helen Piontkivska, Biological Sciences National Science Foundation <i>EAGER: SaTC: Shifts in Misinformation Topics on Social Media: Manipulators Masquerading as Humans</i> | 07/01/22 - 12/31/23 | \$199,786 |
| Shawn Rohlin, Economics Jeremiah Harris, Economics Dandan Liu, Economics Ohio Department of Jobs and Family Services <i>Updating Ohio Leading Indicators Model</i> | 12/01/21 - 06/30/23 | \$33,400 |
| Harlee Rush, Biological Sciences Geauga Park District <i>Home-field advantage: the effects of litter type, microclimate, and arthropod diversity on leaf-litter decomposition in oak forests of Northeastern Ohio</i> | 05/01/22 - 11/01/22 | \$3,000 |

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| Alison Smith, Geology National Science Foundation <i>Collaborative Research: Neotoma Paleoecology Database, a Multi-Proxy, International, Community-Curated Data Resource for Global Change Research</i> | Continuation | 06/01/20 - 05/31/23 | \$8,931 |
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| Michael Strickland, Physics U.S. Department of Energy <i>Non-equilibrium Dynamics of the Quark Gluon Plasma</i> | Continuation | 03/01/22 - 02/28/23 | \$115,000 |
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| Clarissa Thompson, Psychology Susan Fisk, Sociology Lee Gilman, Psychology Mary Himmelstein, Psychology National Science Foundation <i>NSF ADVANCE Catalyst: Tracking Recognition and Engagement of Women in Low-Prestige/High-Workload Service Activities at Kent State University</i> | | 05/01/22 - 04/30/24 | \$300,000 |
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Instruction

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| William Ayres, Trumbull Campus Amoaba Gooden, Diversity, Equity and Inclusion Starr Solomon, Sociology Ohio State Bar Foundation <i>Leveraging Community Voices to Advance Racial Equity in Police Training, Practice and Procedures</i> | | 06/01/22 - 06/30/23 | \$49,642 |
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| Lique Coolen, Brain Health Resesarch Institute/Biological Sciences Paul Dykshoorn, Tuscarawas Campus Michael Fisch, College of Aeronautics and Engineering Aloysius Kasturiarachi, Stark Campus Dana Lawless-Andric, Diversity, Equity and Inclusion Evgenia Soprunova, Mathematics Ohio Department of Higher Education <i>Choose Ohio First Scholar Program at Kent State University</i> | | 06/01/22 - 05/31/23 | \$107,143 |
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| Alicia Crowe, Education, Health, & Human Services Elizabeth Testa, Teaching, Learning and Curriculum Studies Subaward Ohio Department of Higher Education /U.S. Department of Education <i>Addressing Educator Shortages in Ohio</i> | | 03/24/22 - 06/30/23 | \$200,000 |
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Other Sponsored Activity

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| Sonia Alemagno, College of Public Health Portage County Health District <i>Portage County Health Department- Epi-Assistant Student Support</i> | | 01/24/22 - 06/30/22 | \$52,670 |
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| Sebastian Birch, Stark Campus The Bascom Little Fund <i>CD of Piano music by Sebastian Birch</i> | | 05/20/22 - 03/01/23 | \$2,000 |
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| Rick Ferdig, Lifespan Development and Educational Sciences Cheng-Chang Lu, Computer Science Subaward Cleveland Metroparks /U.S. Department of Agriculture <i>Dissemination of a mobile and GIS-based app to address tree health</i> | | 04/25/22 - 12/31/22 | \$5,000 |
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| Karen Gracy, Library and Information Science Subaward WGBH Educational Foundation /Institute of Museum and Library Services <i>Public Broadcasting Preservation Fellowship</i> | 09/15/22 - 04/30/23 | \$12,304 |
| Jeffrey Hallam, Social and Behavioral Sciences Sheryl Chatfield, Social and Behavioral Sciences Tara Smith, Epidemiology/Biostatistics Maggie Stedman-Smith, Environmental Health Sciences Matthew Stefanak, College of Public Health Christopher Wolverton, Biostatistics/Epidemiology/Environmental Health Subcontract National Association of County & City Health Officials /Centers for Disease Control and Prevention <i>Building Local Health Department Capacity to Deliver Infection Prevention and Control Training and Education</i> | 02/01/22 - 07/30/22 | \$52,325 |
| David Hassler, Wick Poetry Program/Arts and Sciences Jessica Jewell, Wick Poetry Program/Arts and Sciences American Academy of Poets <i>Wick Poetry Center: Literary Arts Emergency Fund 2021</i> | 07/01/22 - 06/30/23 | \$15,000 |
| David Hassler, Wick Poetry Program/Arts and Sciences Jessica Jewell, Wick Poetry Program/Arts and Sciences Kent Rotary Foundation <i>Market Stanzas</i> | 06/01/22 - 12/15/22 | \$4,500 |
| Constance Hawke, Compliance and Risk Management David Poluga, Compliance and Risk Management Ohio Department of Transportation <i>Replace Taxiway Lighting, Signage, Windsock at the Kent State University Airport</i> | 04/06/22 - 11/30/22 | \$483,051 |
| Constance Hawke, Compliance and Risk Management David Poluga, Compliance and Risk Management Federal Aviation Administration <i>Rehabilitate Runway 1/19 (Mill and Overlay 4,000' x 60'Design); Rehabilitate Runway 1/19 RSA Grading (Design)</i> | 06/23/22 - 06/22/26 | \$150,000 |
| Pamela Hutchins, Child Development Center/Teaching, Leadership and Curriculum Studies Subaward Ohio Child Care Resource and Referral Association /Ohio Department of Jobs and Family Services <i>Child Care Pandemic Grant IV (COVID-19)</i> | 07/01/21 - 06/30/22 | \$29,498 |
| Molly Merryman, School of Peace & Conflict Studies Lauren Vachon, School of Peace & Conflict Studies U.S. Department of State <i>Resilience During the Pandemic: LGBTQ+ Stories</i> | 05/16/22 - 09/15/22 | \$35,000 |
| Jessica Paull, Salem Campus Marion G. Resch Foundation <i>Columbiana County Campuses' Rising Scholars (AY 2022-2023)</i> | 06/01/22 - 05/31/23 | \$66,000 |

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| Jessica Paull, Salem Campus Paul Dykshoorn, Tuscarawas Campus Natalie Huya, Ashtabula Campus Tiffany Tyree, Trumbull Campus Foundation for Appalachian Ohio <i>Rising Scholars</i> | 05/01/22 - 04/30/23 | \$20,000 |
| Patricia Robinson, Diversity, Equity and Inclusion U.S. Department of Education <i>Kent State University Upward Bound Health Professions</i> | 09/01/22 - 08/31/23 | \$312,480 |
| Theresa Schwarz, Urban Design Center/Architecture and Environmental Design The Cleveland Foundation <i>Design Entrepreneurship & Inclusion Initiative</i> | 04/01/22 - 03/31/24 | \$239,508 |
| Ricardo Sepulveda, Music Kulas Foundation <i>Kent/Blossom Music Festival Kulas Visiting Artists 2022</i> | 04/01/22 - 03/31/23 | \$15,000 |
| William Southards, College of Aeronautics and Engineering Christina Bloebaum, College of Aeronautics and Engineering Subcontract Ohio Aerospace Institute /Economic Development Administration <i>Center for Advanced Air Mobility (CAAM-I)</i> | 10/01/21 - 09/30/24 | \$0 |
| LaDarrius Steele, Upward Bound U.S. Department of Education <i>Upward Bound Classic</i> | 06/01/22 - 05/31/27 | \$589,415 |
| Robert Sturr, Stark Campus Stark Community Foundation <i>Symposium on Service Learning and Community Engagement</i> | 04/28/22 - 04/28/23 | \$10,100 |
| Dean Tondiglia, Police Department William Buckbee, Police Department Ohio Office of Criminal Justice Services <i>KSU Police Services Body-Worn Camera Program 2022</i> | 07/01/21 - 06/30/22 | \$23,780 |
| Dean Tondiglia, Police Department Ohio Department of Public Safety <i>Use of an Explosives Detecting Canine</i> | Continuation 07/01/22 - 06/30/23 | \$50,000 |
| James Tudhope, Nursing Lisa Onesko, Nursing Peg's Foundation <i>Expand Impact: PMH APRNs in Northeast OH 2022-2025</i> | 07/01/22 - 06/30/25 | \$225,000 |
| James Tudhope, Nursing Health Resources and Services Administration <i>Advanced Nursing Education Nurse Practitioner Residency Integration Program</i> | 09/01/22 - 08/31/23 | \$657,894 |

COMPARATIVE DATA

| Fiscal Year to Date | FY 2020 - 2021 | FY 2021 - 2022 |
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| Total Funding | \$ 31,390,334 | \$ 36,421,226 |
| Research | \$ 21,260,043 | \$ 20,394,285 |
| Instruction | \$ 2,846,627 | \$ 2,755,775 |
| Other Activity | \$ 7,283,664 | \$ 13,271,166 |