

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

EXTRAMURAL FUNDING REPORT

**Funds awarded for
January- March 2022
\$6,134,494**

**Total funding to date
FY2021 - 2022
\$28,127,176**

Research

Hamza Balci, Physics Soumitra Basu, Chemistry National Institute of General Medical Sciences <i>Targeting Promoter G-quadruplexes with CRISPR-dCas9 for Transcription Regulation</i>	04/01/22 - 03/31/25	\$454,327
Pamela Ferguson, Research and Evaluation Bureau Subaward University of Akron /U.S. Department of Education <i>NE Ohio ACHIEVE: Access to Curriculum & High Quality Instruction for Educators Valuing English Language Learners</i>	Continuation 09/01/21 - 08/31/22	\$18,813
Pamela Ferguson, Research and Evaluation Bureau Subaward University of Delaware /National Science Foundation <i>PIRE: Bio-Inspired Materials and Systems</i>	Continuation 09/01/21 - 08/31/22	\$33,782
Timothy Gallagher, Sociology Subaward University of Texas at Austin /National Science Foundation <i>EAGER SitS: Studying soil biotic and abiotic processes through continuous, high-precision monitoring of soil CO2 and O2 concentrations</i>	09/01/21 - 08/31/22	\$10,319
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>	01/07/22 - 06/30/22	\$123,648
Julia Huyck, Health Sciences Akron Children's Hospital <i>Factors affecting long-term speech and hearing outcomes for children with chronic middle ear infections</i>	Continuation 09/01/19 - 08/31/21	\$3,452
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>	03/01/22 - 03/01/23	\$247,887

William Kalkhoff, Sociology Joshua Pollock, Sociology Maestro Games SPC <i>Can The Last Maestro Reduce Stress and Aggressive Behavior Elicited by the Enactment of Simulated Violence?</i>		04/01/22 - 12/31/23	\$103,565
Michael Kavulic, Research and Sponsored Programs Subaward Cleveland State University /Ohio Development Services Agency <i>Cleveland State University and Kent State University Technology Validation and Start-Up Fund (CKTVSF)</i>		12/12/21 - 01/31/24	\$150,000
Lauren Kinsman-Costello, Biological Sciences Subaward The Ohio State University /Ohio Department of Natural Resources <i>H2Ohio Wetland Monitoring Program</i>	Additional	07/01/21 - 12/31/22	\$105,409
Kelsen LeBerge, College of Aeronautics and Engineering Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration <i>AIAA Design Build Fly Team Alpha (2021-2022)</i>		01/10/22 - 01/09/23	\$5,000
Kelsen LeBerge, College of Aeronautics and Engineering Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration <i>Kent State High Power Rocket for Spaceport America Cup</i>		01/10/22 - 01/09/23	\$5,000
Rui Liu, College of Aeronautics and Engineering Xuhui Chen, College of Aeronautics and Engineering U.S. Air Force Research Laboratory <i>An UAV Dock Station with Hybrid Data Transfer and Power Charging Capability for Projecting Multi UAVs to Large-Scale and Long-Durable Missions</i>		11/03/21 - 02/23/22	\$30,000
Hossein Mirinejad, College of Aeronautics and Engineering National Science Foundation <i>ERI: Precision Dosing in Critical Care: An Automated Modeling and Control Approach</i>		06/01/22 - 05/31/24	\$200,000
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	03/01/22 - 02/28/23	\$184,464
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>		03/01/22 - 02/28/23	\$23,343
Linda Ohrn-McDaniel, Fashion Design and Merchandising Mourad Krifa, Fashion Design and Merchandising Noel Palomo-Lovinski, Fashion Design and Merchandising Louise Valentine, Fashion Design and Merchandising Ohio Department of Higher Education <i>Fostering Ohio Innovation and Entrepreneurship in Next-Generation Digital Knit Technology</i>		03/25/22 - 06/30/23	\$236,816
Joseph Ortiz, Geology Subaward Ocean Research and Conservation Association (ORCA) /St Johns River Water Management District <i>Satellite Algae Bloom and Nutrient Sources Tracking</i>		08/01/21 - 02/28/23	\$140,000

Peter Palfy-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>		10/28/21 - 04/28/23	\$13,500
Kristine Pytash, Teaching, Learning and Curriculum Studies Elizabeth Testa, Teaching, Learning and Curriculum Studies Martha Holden Jennings Foundation <i>Designing Identities: Beyond 28 Bricks</i>		04/20/22 - 04/20/23	\$20,000
Mary Ann Raghanti, Anthropology Melissa Edler, Biomedical Sciences/Anthropology Subaward The University of Texas MD Anderson Cancer Center /National Institute on Aging <i>Alzheimer's Disease Pathology in a Primate Model</i>	Continuation	02/02/22 - 01/31/23	\$203,824
Carrie Schweitzer, Stark Campus Dominion East Ohio Foundation <i>Making Waves in Stark County: A wave maker to demonstrate coastal process in STEMM programs at KSU at Stark</i>		01/01/22 - 08/31/22	\$5,000
Tao Shen, College of Aeronautics and Engineering National Science Foundation <i>ERI: Exploration of the Design, Dynamics and Control of Self-Decoupled, Cable-Driven Serial Robots</i>		03/01/22 - 02/29/24	\$198,978
Allyson Tessin, Geology Subaward Columbia University /National Science Foundation <i>U.S. Science Support Program Office associated with the International Ocean Discovery Program (USSSP-IODP)</i>		02/01/22 - 01/31/23	\$39,820
Darlene Unger, Lifespan Development and Educational Sciences Subcontract Ohio Department of Education /U.S. Department of Education <i>Indicator 14 Data Collection and Reporting: Ohio Longitudinal Transition Study</i>		03/01/22 - 01/31/28	\$175,000
David Ward, Biological Sciences Oscar Rocha, Biological Sciences National Science Foundation <i>Collaborative Research: Scale-Dependent Processes as the Drivers for Understanding Range- and Niche-Expansion in a Widespread Native Species - Research Assistantships for High School Students (RAHSS) supplement</i>	Supplement	07/01/19 - 06/30/23	\$19,622
David Ward, Biological Sciences Oscar Rocha, Biological Sciences National Science Foundation <i>Collaborative Research: Scale-Dependent Processes as the Drivers for Understanding Range- and Niche-Expansion in a Widespread Native Species - Research Experience for Teachers (RET) supplement</i>	Supplement	07/01/19 - 04/30/23	\$16,622
Deng-Ke Yang, Advanced Materials Liquid Crystal Institute/Physics Toyota Motor Sales, U.S.A., Inc. <i>Phase II: Two Side Waveguide Liquid Crystal Display</i>		02/01/22 - 10/31/22	\$90,000
He Yin, Geography National Aeronautics and Space Administration <i>The effects of the Syrian civil war on cropland in the eastern Mediterranean region</i>	Additional	04/21/21 - 04/20/24	\$55,609

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	10/01/21 - 09/30/22	\$21,371
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Instruction

Salma Benhaida, Office of Global Education Subaward World Learning /U.S. Department of State <i>2022 Spring Global Undergraduate Exchange Program (Global UGRAD)</i>	Continuation	01/01/22 - 05/31/22	\$41,940
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Other Sponsored Activity

William Buckbee, Police Department Jeffrey Futo, Police Department Ohio Department of Higher Education <i>2021 Campus Safety Grant Program</i>		06/01/21 - 06/30/22	\$210,400
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Mark Cassell, Political Science Ohio Department of Higher Education <i>KSU Washington Program in National Issues FY22-23</i>		07/01/21 - 06/30/23	\$100,000
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Chris Cooper, Ohio Employee Ownership Center/Political Science Michael Palmieri, Political Science The Cleveland Foundation <i>Greater Cleveland Business Succession Planning/ Employee Ownership Conversions Program</i>		03/01/22 - 02/28/24	\$190,956
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Ken Ditlevson, LGBTQ Center/Diversity, Equity and Inclusion Jessica Denmon, Diversity, Equity and Inclusion Akron Community Foundation <i>To support QUEST Mentorship</i>		04/01/22 - 03/31/24	\$3,000
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Denise Harrison, English John S. and James L. Knight Foundation, Inc. <i>Tech Capacity Building</i>		01/06/22 - 10/31/22	\$10,000
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David Hassler, Wick Poetry Program/Arts and Sciences Jessica Jewell, Wick Poetry Program/Arts and Sciences Charles Malone, Wick Poetry Program/Arts and Sciences Jennifer Mapes, Geography Gyorgyi Mihalyi-Jewell, Wick Poetry Program/Arts and Sciences John S. and James L. Knight Foundation, Inc. <i>Mapping Akron: A Poetic Exploration of Home</i>		01/06/22 - 10/31/23	\$135,000
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David Hassler, Wick Poetry Program/Arts and Sciences Subaward The Ohio State University /Ohio Arts Council <i>Healing stanzas: Reflective writing for health care workers</i>		07/01/21 - 06/30/22	\$684
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Jacqueline Marino, Journalism and Mass Communication Susan Kirkman Zake, Journalism and Mass Communication Media in the Public Interest <i>The Kent State-Ohio News Connection Reporting Project - continuation funding</i>	Continuation	11/30/21 - 12/01/22	\$6,040
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Mark Matejcik, College of Podiatric Medicine Ohio Department of Higher Education <i>Support for the KSU College of Podiatric Medicine</i>	07/01/21 - 06/30/23	\$950,000
Wendy Patton, Columbus Program in Intergovernmental Issues/Political Science Ohio Department of Higher Education <i>KSU Columbus Program - FY 22-23</i>	07/01/21 - 06/30/23	\$100,000
Jessica Paull, Salem Campus Ohio Department of Higher Education <i>Kent State University Rising Scholars Program</i>	07/01/21 - 06/30/23	\$200,000
Jennifer Rice, University Libraries Subaward State Library of Ohio /Institute of Museum and Library Services <i>Celebrating Ohio Book Awards & Authors Grant</i>	03/01/22 - 05/31/22	\$1,760
Karen Ronga, Trumbull Campus Subaward State Library of Ohio /Institute of Museum and Library Services <i>Building the KSU Trumbull Gelbke library collection with Ohio authors</i>	03/01/22 - 05/31/22	\$1,535
Stephen Schillig, Tuscarawas Campus Subaward Ohio Development Services Agency /U.S. Small Business Administration <i>Tuscarawas SBDC FY22 - Federal funding</i>	10/01/21 - 09/30/22	\$242,300
William Southards, College of Aeronautics and Engineering Ohio Development Services Agency <i>Operation of a Small Business Development Center at KSU-CAEST FY2022 - State Funding</i>	10/01/21 - 09/30/22	\$38,400
William Southards, College of Aeronautics and Engineering Subaward Ohio Development Services Agency /U.S. Small Business Administration <i>Operation of a Small Business Development Center at KSU-CAEST FY2022</i>	10/01/21 - 09/30/22	\$140,000
Amy Thomas, Ashtabula Campus Subaward State Library of Ohio /Institute of Museum and Library Services <i>Celebrating Ohio Book Awards & Authors: A DEI Initiative</i>	03/01/22 - 05/31/22	\$1,263
Tiffany Tyree, Trumbull Campus PNC Foundation <i>Building Black Leaders - PNC Charitable Trust</i>	01/01/22 - 11/30/22	\$25,000
Lori Wilfong, Stark Campus Kathryn Walley, Teaching, Learning and Curriculum Studies Subaward National Writing Project /U. S. Department of Interior National Park Service <i>2022-2023 NWP-KSU/Cuyahoga Valley National Park Service Collaboration</i>	04/01/22 - 03/31/23	\$3,500
Llancyllius Williams, Geauga Campus Kevin Hilger, Geauga Campus Judith Paternite, Geauga Campus U.S. Department of Agriculture <i>Project CORD, Connecting Ohioans in Rural Areas Through Distance Learning Education - Geauga funding</i>	01/18/22 - 01/17/25	\$428,090

Llancyllius Williams, Geauga Campus Michael Ball, Ashtabula Campus Kevin Deemer, Ashtabula Campus Andrew Luoma, Ashtabula Campus Russell Porter, Ashtabula Campus Amy Thomas, Ashtabula Campus U.S. Department of Agriculture <i>Project CORD, Connecting Ohioans in Rural Areas Through Distance Learning Education - Ashtabula funding</i>	01/18/22 - 01/17/25	\$156,955
Sonya Williams, Community Outreach The Sisler McFawn Foundation <i>Akron Public Schools College & Career Academies summer program for Firestone CLC students at Kent State</i>	01/01/22 - 12/31/22	\$7,500
Sonya Williams, Community Outreach Ohio Department of Higher Education <i>Rural University</i>	07/01/21 - 06/30/23	\$200,000
Sonya Williams, Community Outreach Ivan Bernal, Architecture and Environmental Design Mark Mistur, Architecture and Environmental Design Akron Community Foundation <i>To support the APS CCAA via the Architecture & Environmental Design summer program for Firestone students</i>	04/01/22 - 03/31/24	\$5,000

COMPARATIVE DATA

Fiscal Year to Date	FY 2020 - 2021	FY 2021 - 2022
Total Funding	\$ 26,010,749	\$ 28,917,904
Research	\$ 17,785,896	\$ 15,507,544
Instruction	\$ 2,455,480	\$ 2,398,990
Other Activity	\$ 5,769,374	\$ 10,220,641