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

EXTRAMURAL FUNDING REPORT

<table>
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<tr>
<th>Funds awarded for</th>
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<td>April - June 2021</td>
<td>FY2020 - 2021</td>
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Research

Veronica Antochevez Dexheimer Strickland, Physics
National Science Foundation
*CAREER: Dense Phases in Neutron Stars*
Continuation 07/01/18 - 06/30/23 $85,000

Veronica Antochevez Dexheimer Strickland, Physics
National Science Foundation
*CAREER: Dense Phases in Neutron Stars*
Supplement 07/01/18 - 06/30/23 $39,999

Timothy Assal, Geography
U.S. Geological Survey
*Monitoring the Vegetation Dynamics of Shrubland Ecosystems with Respect to Ecological Disturbance and Management Actions*
Supplement 09/23/19 - 09/22/22 $27,531

Michelle Bebber, Anthropology
Farris Family Fund -Kent State University Foundation
*Searching for North America's First Stone Age Americans at Stow Rockshelter, Ohio*
09/01/21 - 08/31/24 $24,000

Yossef Ben-Porath, Psychology
University of Minnesota
*Further Development of MMPI-3*
07/01/21 - 06/30/22 $125,000

Christopher Blackwood, Biological Sciences
National Science Foundation
*EAGER: Collaborative research: Shifting control from negative plant-microbe feedback to nutrient limitation: predictions from dominant tree traits and ecosystem nutrient economies*
Supplement 06/15/18 - 05/31/22 $20,700

Philip Bos, Advanced Materials Liquid Crystal Institute/Physics
Facebook Technologies, LLC
*Gradient Index Liquid Crystal: Discrete Electrode Design*
06/01/21 - 03/01/22 $100,000

Philip Bos, Advanced Materials Liquid Crystal Institute/Physics
Subcontract Defense Engineering Corporation /U.S. Air Force Research Laboratory
*Beam Steering Demonstration*
Additional 11/09/20 - 11/09/21 $42,000

Karin Coifman, Psychology
Douglas Delahanty, Psychology
John Gunstad, Psychology
National Institute of Mental Health
*Unpacking Emotion Inflexibility and Prospective Prediction of Affective Disease*
Additional 01/01/21 - 12/31/21 $53,244
Karin Coifman, Psychology
Douglas Delahanty, Psychology
John Gunstad, Psychology
National Institute of Mental Health

Additional Supplement: Unpacking Emotion Inflexibility and Prospective Prediction of Affective Disease

Metin Eren, Anthropology
Michelle Bebber, Anthropology
Michael Fisch, College of Aeronautics and Engineering
Michael Kavulic, Research and Sponsored Programs
Trent True, College of Aeronautics and Engineering
Michael Wilson, Anthropology
Subaward The Ohio State University /Ohio Department of Higher Education
Ohio I-Corps Program: Primal Points

Gregory Gibson, Sociology
Richard Adams, Sociology
Anthony Vander Horst, Sociology
Subaward Maryland Department of Health /Centers for Disease Control and Prevention

Maryland PRAMS

05/01/21 - 11/30/21 $12,500

Gregory Gibson, Sociology
Richard Adams, Sociology
Subaward Indiana Department of Public Health /Centers for Disease Control and Prevention

Pregnancy Risk Assessment Monitoring Survey (PRAMS)

Additional 05/01/21 - 06/30/21 $79,687

05/01/21 - 08/31/24 $24,000

Farris Family Fund -Kent State University Foundation

Biodegradable and Biocompatible Liquid Crystal Elastomers as bio-inks for 3D printable tissues

Helda Hegmann, Advanced Materials Liquid Crystal Institute/Biological Sciences
Farris Family Fund -Kent State University Foundation

09/01/21 - 08/31/24 $24,000

Acquisition of a dual spectrometer for measurement of irradiance, radiance, and surface reflectance

Daniel Holm, Geology
Herbert W. Hoover Foundation

05/01/21 - 08/31/22 $30,000

Aligning Systems for Health Rapid-Cycle Research and Evaluation

John Hoornbeek, Health Policy Management
Subaward Georgia State University /The Robert Wood Johnson Foundation

$75,000

Supplement 06/01/18 - 05/31/22 $12,000

Anne Jefferson, Geology
National Science Foundation

Collaborative Research: Connecting local stormwater decision-making to environmental outcomes

Anne Jefferson, Geology
National Science Foundation

Collaborative Research: Connecting local stormwater decision-making to environmental outcomes

$12,000

Kimberly Laurene, Health Policy Management
Deric Kenne, Health Policy Management
Substance Abuse and Mental Health Services Administration

More Aware

09/30/21 - 09/29/22 $102,000
Oleg Lavrentovich, Advanced Materials Liquid Crystal Institute/Physics
National Science Foundation
Cohort Research: Morphogenesis of First-Order Phase Transitions in Polar and Apolar Nematic Liquid Crystals

Jonathan Maletic, Computer Science
National Science Foundation
REU Supplement: CRI: ENS: Collaborative Research: Enabling Automated Language Support for the srcML Infrastructure

Hanbin Mao, Chemistry
National Science Foundation
Supplement 08/15/21 - 07/31/22 $14,000

Kristen Marcussen, Sociology
National Science Foundation
Understanding Social Stigma, Stigma Resistance and the Mental Illness Identity

Hossein Mirinejad, College of Aeronautics and Engineering
Mohammed Ali, College of Aeronautics and Engineering
Subaward University of Akron /National Science Foundation
Type II: The University of Akron I-Corps Site

Bradley Morris, Lifespan Development and Educational Sciences
John Dunlosky, Psychology
National Science Foundation
Food for Thought: Igniting, Engaging, and Measuring Family STEM Learning Using a Food Lab

Devin Mueller, Biological Sciences
Subaward Ponce Medical School Foundation, Inc. (PMSF) /National Institute on Minority Health and Health Disparities
Effects of early-life neglect and cocaine use on PTSD-like behaviors

Fedor Nazarov, Mathematics
National Science Foundation
Collaborative Research: Weighted estimates with matrix weights and non-homogeneous harmonic analysis

Elena Novak, Teaching, Learning and Curriculum Studies
Bridget Mulvey, Teaching, Learning and Curriculum Studies
Shannon Navy, Teaching, Learning and Curriculum Studies
Subaward Kent City School District /Martha Holden Jennings Foundation
Elementary Design for 3D STEM

Joseph Ortiz, Geology
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration
Ohio Space Grant Consortium Summer Internship 2021

Joseph Ortiz, Geology
Florida Department of Environmental Protection
Remote sensing validation of benthic cover in Biscayne Bay
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<tr>
<th>Name</th>
<th>Department/College</th>
<th>Start Date</th>
<th>End Date</th>
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<td>Peter Palffy-Muhoray</td>
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<td>Photomechanical Material Systems: From Molecules to Devices</td>
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<td>Helen Piontkivska</td>
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<td>Mechanisms of Gonadotropin Action on Cognition and Neuronal Remodeling in Aging and Alzheimer's Disease</td>
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<td>Shawn Rohlin</td>
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<td>12/31/20 - 12/30/22</td>
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<td>Economic Impact Study for Open Road Solar Project</td>
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<td>Denice Sheehan</td>
<td>Nursing</td>
<td>05/01/21 - 04/30/22</td>
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<td>Christopher Was</td>
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<td>National Institute of Nursing Research</td>
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<td>Interactions Among Adolescents with a Parent in Hospice and the Hospice Care Team</td>
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<td>Tao Shen</td>
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<td>Subaward Gateway Biotechnology, Inc.</td>
<td>National Institute on Deafness and Other Communication Disorders</td>
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<td>An Automated Shuttlebox Multi-System for Sound-based Avoidance Behavior</td>
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<td>Loral Showalter</td>
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<td>Elsa U. Pardee Foundation</td>
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<td>A novel immunopharmacological approach for pancreatic cancer</td>
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<td>Alison Smith</td>
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<td>Collaborative Research: Neotoma Paleoecology Database, a Multi-Proxy, International, Community-Curated Data Resource for Global Change Research</td>
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<td>Tina Saunders</td>
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<td>Sigma Theta Tau International Honor Society of Nursing</td>
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<td>Michael Strickland</td>
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<td>Rafaela Takeshita</td>
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<td>Uncovering Adrenarche: neuroendocrine basis of human longevity</td>
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<td>Darlene Unger</td>
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<td>Ohio Longitudinal Transition Study FY 14/15 - FY 19/21 Extension</td>
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David Ward, Biological Sciences
continuation 07/15/19 - 06/30/22 $174,509

Oscar Rocha, Biological Sciences

National Science Foundation
Collaborative Research: Scale-Dependent Processes as the Drivers for Understanding Range- and Niche-Expansion in a Widespread Native Species

He Yin, Geography
04/21/21 - 04/20/24 $61,707
National Aeronautics and Space Administration
The effects of the Syrian civil war on cropland in the eastern Mediterranean region

Hiroshi Yokoyama, Advanced Materials Liquid Crystal Institute/Physics
continuation 12/30/16 - 12/29/21 $21,000
National Aeronautics and Space Administration
Structure and Dynamics of Monodisperse Liquid Crystal Domains created on Suspended, Molecularly-Thin Smectic Films using Sub-Femtoliter Inkjet Technology

Instruction

Lique Coolen, Brain Health Resesrch 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
Choose Ohio First Scholar Program at Kent State University

Javed Khan, Computer Science
continuation 04/01/20 - 05/31/25 $294,933
Philip Thomas, IT Enterprise Research Technology & Support
Ohio Department of Higher Education
Choose Ohio First CS Scholarships: Building High Demand 21st-Century Workforce Development in Big-Data, Cyber Security & Privacy, AI, Smart Systems and Devices, and other cutting edge Computer Science

Joseph Ortiz, Geology
08/15/21 - 05/31/22 $7,500
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration
Ohio Space Grant Consortium Junior/Senior Scholarships and Internships - AY21/22

Joseph Ortiz, Geology
08/15/21 - 05/31/22 $2,000
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration
Ohio Space Grant Consortium Education Scholarship AY21/22

Joseph Ortiz, Geology
08/15/21 - 05/31/22 $3,500
Subaward Ohio Space Grant Consortium /Ohio Department of Higher Education
Ohio Space Grant Consortium State-Funded Scholarships - AY21/22

Other Sponsored Activity
Sonia Alemagno, College of Public Health 04/01/21 - 03/31/22 $88,000
Justin Hilton, Office of the Provost
Dana Lawless-Andric, Diversity, Equity and Inclusion
United Way of Summit & Medina
*Akron Public Schools-Kent State University Rising Public Health Leaders Pathways Program*

Kevin Dilley, Journalism and Mass Communication 04/01/21 - 10/01/21 $6,000
Jeffrey Fruit, Journalism and Mass Communication
Subaward Dow Jones News Fund/The Robert Wood Johnson Foundation
*Kent State Scholastic Journalism Summer Workshop: Kids and COVID-19*

Susan Grogan-Johnson, Health Sciences 08/16/21 - 08/15/22 $77,046
Greenfield Village Exempted Schools
*Greenfield, Year 11*

Susan Grogan-Johnson, Health Sciences 08/16/21 - 08/15/22 $75,922
Montpelier Exempted Village Schools
*Telepractice - Montpelier, Year 11*

Constance Hawke, Compliance and Risk Management 05/14/21 - 05/13/25 $13,000
David Poluga, Compliance and Risk Management
Federal Aviation Administration
*Airport Coronavirus Relief Grant Program (ACRGP)*

Aloysius Kasturiarachi, Stark Campus 04/06/21 - 08/31/22 $5,000
Mathematical Association of America
*Stark County Summer Math Academy*

Melanie Knowles, Facilities Planning and Operations 05/24/21 - 12/31/27 $45,000
Larry Emling, Parking Services
Carmine Ricchetti, Office of the University Architect
Ohio Environmental Protection Agency
*KSU EV Charging Station Proposal (Liquid Crystals Materials Science Building)*

Melanie Knowles, Facilities Planning and Operations 07/01/21 - 06/30/22 $94,388
Ohio Environmental Protection Agency
*Eastway Grind2Energy Food Waste Diversion*

Lisa Onesko, Nursing 08/01/21 - 07/31/23 $15,000
Andrea Warner Stidham, Nursing
Jonas Nursing and Veterans Healthcare
*Jonas Scholar DNP Program - Psychology/Mental Health*

Jessica Paull, Salem Campus 06/01/21 - 05/31/22 $105,000
Marion G. Resch Foundation
*Columbiana County Campuses’ Rising Scholars (AY 2021-2022)*

Kristenne Robison, Salem Campus 07/01/21 - 06/30/23 $120,000
Ohio Department of Rehabilitation and Correction
*2+2 Pathway Advanced Job Training Proposal*
Sarah Rogers, Museum
Tameka Ellington, Fashion Design and Merchandising
Joseph Underwood, Art
Subaward Ohio Humanities /National Endowment for the Humanities
Digital Green Book

Ricardo Sepulveda, Music
Kulas Foundation
Kent/Blossom Music Festival Kulas Visiting Artists 2021

Cassandra Storlie, Lifespan Development and Educational Sciences
Bridget Mulvey, Teaching, Learning and Curriculum Studies
Martha Holden Jennings Foundation
ELLOS

Wendy Turner, WKSU
Corporation for Public Broadcasting
CPB Distribution of the ARP Stabilization Fund

Jasmina Waters, Diversity, Equity and Inclusion
U.S. Department of Education
Kent State University Upward Bound Classic Academy

Lori Wilfong, Stark Campus
Kathryn Walley, Teaching, Learning and Curriculum Studies
Subaward National Writing Project /U. S. Department of Interior National Park Service
NWP/USDINPS: 2021 - 2022 NWP-KSU/Cuyahoga Valley National Park Service Collaboration

Sonya Williams, Diversity, Equity and Inclusion
James Campbell, Design Innovation Initiative
Akron Community Foundation
To support APS College & Career Academies via a summer DI program for Firestone CLC students & parents

Susan Zake, Journalism and Mass Communication
The Cleveland Foundation
Ask The Land: Environmental Reporting Initiative

**COMPARATIVE DATA**

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<td>Research</td>
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<td>Instruction</td>
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<td>Other Activity</td>
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