KENT STATE UNIVERSITY
Research and Sponsored Programs
Paul DiCorleto, Vice President for Research

EXTRAMURAL FUNDING REPORT

Funds awarded for
January- March 2020 $5,611,742

Total funding to date
FY2019 - 2020 $28,269,661

Research

Lauren Baldarelli, Biological Sciences 04/01/20 - 09/30/20 $4,000
David Ward, Biological Sciences
Garden Club of America
How Does Soil Type and Associated Elevation Affect the Abundance and Distribution of Biocrusts in the Sonoran Desert, Arizona: An Effort to Understand How to Conserve These Critical Dryland Organisms

Marie Blazer, College of Podiatric Medicine 11/01/19 - 04/01/22 $25,611
Mark Dalman, College of Podiatric Medicine
Joann Eble, College of Podiatric Medicine
Rocco Petrozzi, College of Podiatric Medicine
Podiatry Foundation
Effects of Local Anesthetics in Redhead Patients

Morgan Chaney, Anthropology 01/01/20 - 12/31/20 $820
Sigma Xi, The Scientific Research Society
Comparing renal expression levels of cyanide-detoxifying enzymes among three species of lemur

Karin Coifman, Psychology Continuation 01/01/20 - 12/31/20 $573,248
Douglas Delahanty, Psychology
John Gunstad, Psychology
National Institute of Mental Health
Unpacking Emotion Inflexibility and Prospective Prediction of Affective Disease

Lique Coolen, Brain Health Research Institute/Biological Sciences Continuation 01/31/20 - 01/30/21 $199,992
Craig H. Neilsen Foundation
Determining Spinal Alterations in Sexual Reflex Control

Lique Coolen, Brain Health Research Institute/Biological Sciences 03/20/20 - 09/14/20 $255,784
USA Medical Research Acquisition Activity
Determining Sensory Plasticity and Developing Recovery for Sexual Dysfunction in Chronic Spinal Cord Injured Male Rats

Patrick Dillon, Stark Campus 12/02/19 - 08/31/20 $16,705
Subaward University of Memphis /Office of National Drug Control Policy
Implementing and Evaluating Outreach, Medication-Assisted Treatment (MAT), Psychosocial Therapies, and Housing Services for Individuals with Opioid Use Disorder in Appalachian Counties in Tennessee
Pamela Ferguson, Research and Evaluation Bureau 01/01/20 - 12/31/22 $30,000
Anthony Shreffler, Research and Evaluation Bureau
Subcontract Woodridge Local School District /Burton D. Morgan Foundation
Six District Educational Compacts Entrepreneurship Website Evaluation

Carla Goar, Sociology 03/01/20 - 02/28/21 $16,000
Brennan Miller, Sociology
National Science Foundation
Doctoral Dissertation Research: Status Ideology: How is Status Information Interpreted?

John Gunstad, Psychology 02/01/20 - 11/30/20 $638,622
Jeffrey Ciesla, Psychology
National Institute on Aging
Spontaneous Speech and Health Disparities in Risk of Cognitive Decline: WHICAP Offspring Ancillary Study

Torsten Hegmann, Advanced Materials Liquid Crystals Institute Continuation 12/02/16 - 12/01/21 $7,500
Subaward Case Western Reserve University /National Aeronautics and Space Administration
Microgravity Studies of Nanoparticles and Topological Defects in Liquid Crystal Thin Films

Eric Jefferis, Social and Behavioral Sciences 07/01/19 - 12/31/20 $130,000
Subaward Ohio Criminal Justice Studies /U.S. Department of Justice
Research Partner for the 2018 Northern Ohio Violent Crime Consortium (NOVCC) PSN Program

Anne Jefferson, Geology Supplement 06/01/18 - 05/31/21 $4,320
David Costello, Biological Sciences
Lauren Kinsman-Costello, Biological Sciences
National Science Foundation
REU Supplement for Collaborative Research: Connecting local stormwater decision-making to environmental outcomes

Declan Keane, Physics Continuation 04/01/20 - 03/31/21 $467,000
Spyridon Margetis, Physics
U.S. Department of Energy
Heavy Ion Collisions Over a Range of Relativistic Energies

Kathryn Kems, Psychology Continuation 02/01/20 - 01/31/21 $187,500
Manfred van Dulmen, Psychology
National Institute of Child Health and Human Development

Jungyoon Kim, Computer Science Supplement 09/01/19 - 12/31/19 $254
Youngsan University
Development of spinal curvature measuring device with flexible sensor and analysis of effects of trunk stabilization according to lumbar curvature

Jungyoon Kim, Computer Science Supplement 09/01/19 - 12/31/19 $210
Youngsan University
Smart Device to Predict Dementia Based on Big Data and Activity of Daily Living
Laura Leff, Biological Sciences  
Ocean Spray Cranberries Inc.  
*Biofilms and cranberries*

Jonathan Maletic, Computer Science  
National Science Foundation  
*REU Supplement: CI-New: Collaborative Research: An Infrastructure that Combines Eye Tracking into Integrated Development Environments to Study Software Development and Program Comprehension*

Tricia Niesz, Foundations, Leadership and Administration  
Spencer Foundation  
*The Production, Circulation, and Impact of Teacher Activist Knowledge in the Struggle for State Education Policy Change*

Colleen Novak, Biological Sciences  
National Institute of Diabetes and Digestive and Kidney Diseases  
*Neural Mechanisms Underlying Central Induction of Skeletal Muscle Thermogenesis*

Peter Palffy-Muhoray, Advanced Materials Liquid Crystal Institute/Chemical Physics  
Robert Twieg, Chemistry  
*Subcontract Zymergen Inc. /Defense Advanced Research Projects Agency  
Molecular Design of Liquid Crystals for Agile Optical Filter Applications*

Amy Petrinec, Nursing  
Joel Hughes, Psychology  
American Association of Colleges of Nursing  
*Smartphone Delivery of Cognitive Behavioral Therapy for Post-intensive Care Syndrome-Family: A Pilot Study*

Mary Ann Raghanti, Anthropology  
*Subaward MD Anderson Cancer Center /National Institutes of Health  
The National Center for Chimpanzee Care*

Shawn Rohlin, Economics  
Charles Koch Foundation  
*Local Economic Multipliers: What we know, what we do not know, and new estimates from modern empirical techniques*

Lydia Rose, East Liverpool  
*Subaward Ohio Organizing Collaborative/The Robert Wood Johnson Foundation  
Interdisciplinary Research Leaders Cohort Three – Social and Economic Determinants in Rural America – Ohio River Valley*

Antonia Santoro, Psychology  
Psi Chi The International Honor Society in Psychology  
*Investigating the Impact of Self-Compassion Intervention on Health Goals*

Amy Sato, Psychology  
David Fresco, Psychology  
Manfred van Dulmen, Psychology  
*Reducing Emotional Eating in Obese Low-Income Adolescents with Mindfulness-Based Behavioral Weight Management*
Mary Step, Social and Behavioral Sciences
Subaward The MetroHealth System /Health Resources and Services Administration
Design and test of the positive peers mobile application for HIV care retention

Michael Strickland, Physics
U.S. Department of Energy
Non-equilibrium Dynamics of the Quark Gluon Plasma

D Blake Stringer, College of Aeronautics and Engineering
Md Amiruzzaman, College of Aeronautics and Engineering
Jenna Merriman, College of Aeronautics and Engineering
Subcontract Cal Analytics, LLC
Ohio Federal Research Network
Interoperability, Resiliency, and Contingency Management for Ohio UAS Operations

Clarissa Thompson, Psychology
Top Hat Monocle Corp
Using TopHat Textbook Resources to Provide Student and Instructor Diagnostic Insights

Kristy Welshhans, Biological Sciences
Jerome Lejeune Foundation
Adhesion mechanisms contributing to the Down syndrome phenotype

Hiroshi Yokoyama, Advanced Materials Liquid Crystal Institute/Physics
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

Aloysius Kasturiarachi, Stark Campus
Lisa Hart, Stark Campus
Robert Sturr, Stark Campus
Ohio Department of Education
CCP Credentialing Consortium of Stark County Plus

Evgenia Soprunova, Mathematics
Aloysius Kasturiarachi, Stark Campus
Michael Mikusa, Teaching, Learning and Curriculum Studies
Andrew Tonge, Mathematics
Ohio Department of Education
CCP Math Teachers Credentialing at KSU

Other Sponsored Activity

Ken Ditlevson, LGBTQ Center/Diversity, Equity and Inclusion
Akron Community Foundation
To support the QUEST mentorship program
<table>
<thead>
<tr>
<th>Name</th>
<th>Department/Program</th>
<th>Start/End</th>
<th>Amount (USD)</th>
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<tbody>
<tr>
<td>Rick Ferdig, Lifespan Development and Educational Sciences</td>
<td>03/01/20 - 06/30/21</td>
<td>$175,000</td>
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<td>Robert Clements, Biological Sciences</td>
<td>01/01/20 - 12/31/20</td>
<td>$1,657</td>
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<td>Enrico Gandolfi, Education, Health, &amp; Human Services</td>
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<tr>
<td>Annette Kratcoski, Education, Health, &amp; Human Services</td>
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<td>Cheng-Chang Lu, Computer Science</td>
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<td>National Endowment for the Humanities</td>
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<td>Robert Hamilton, Stark Campus</td>
<td>02/01/20 - 12/31/20</td>
<td>$22,500</td>
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<tr>
<td>Arts in Stark</td>
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<td>Black History Arts Programming</td>
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<td>Sarah Helmick, Center for Adult and Veteran Services/Student Affairs</td>
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<td>Portage Foundation</td>
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<td>Military-Aligned Parenting Student (MAPS) Program</td>
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<tr>
<td>Justin Hilton, Office of the Provost</td>
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<td>Akron Community Foundation</td>
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<tr>
<td>To Support a Summer Program for APS College and Career Academies Firestone CLC Students and Parents</td>
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<td>Justin Hilton, Office of the Provost</td>
<td>Additional 03/20/20 - 03/19/22</td>
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<td>To Support a Summer Program for APS College and Career Academies Firestone CLC Students and Parents</td>
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<td>Mark Kretovics, Foundations, Leadership and Administration</td>
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<td>Martha Merrill, Foundations, Leadership and Administration</td>
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<td>Subaward American Councils for International Education</td>
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<td>U.S. Department of State</td>
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<td>Central Asia University Partnerships Program (UniCEN)</td>
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<td>David Mitchell, Tuscarawas Campus</td>
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<td>Subaward Arts Midwest /National Endowment for the Arts</td>
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<td>A Cappella LIVE: Proposal to the Arts Midwest Touring Fund for the Kent State University Tuscarawas Performing Arts Center</td>
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<td>Angela Neal-Barnett, Psychology</td>
<td>03/13/20 - 03/21/22</td>
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<td>Akron Community Foundation</td>
<td>To Deliver a Brief Trauma Intervention to Expectant and Post-Partum Black Mothers in Summit County</td>
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<td>Joseph Ortiz, Geology</td>
<td>01/01/20 - 12/31/20</td>
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<td>Subaward Ohio Space Grant Consortium /Ohio Department of Higher Education</td>
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<td>Ohio Space Grant Consortium State-Funded Fellowship</td>
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<td>Joseph Ortiz, Geology</td>
<td>01/01/20 - 05/31/20</td>
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<td>Subaward Ohio Space Grant Consortium /Ohio Department of Higher Education</td>
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<td>Ohio Space Grant Consortium State-Funded Scholarships</td>
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<td>Linda Robertson, Center for International and Intercultural Education</td>
<td>12/19/19 - 06/01/20</td>
<td>$204,392</td>
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<td>Paul Haridakis, Communication Studies</td>
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<td>Martin Jencius, Lifespan Development and Educational Sciences</td>
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<td>Subaward International Research and Exchange Board /U.S. Department of State</td>
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<td>Spring 2020 Fulbright Teaching Excellence and Achievement (Fulbright TEA) Program 21st Century Classroom Media Literacy Cohort</td>
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Teresa Schwarz, Urban Design Center/Architecture and Environmental Design 01/01/20 - 09/30/20 $20,000
Katherine Slusher, Architecture and Environmental Design
Char and Chuck Fowler Family Foundation
Making Our Own Space: La Villa Hispana

Wendy Turner, WKSU 07/01/19 - 06/30/20 $81,324
Broadcast Educational Media Commission
Broadcast Educational Media Commission Funding

Wendy Turner, WKSU 10/01/19 - 09/30/21 $227,081
Corporation for Public Broadcasting
FY2020 Radio Community Service Grant - Unrestricted

Wendy Turner, WKSU 10/01/19 - 09/30/21 $82,589
Corporation for Public Broadcasting
FY2020 Radio Community Service Grant - Restricted

Wendy Turner, WKSU Continuation 02/01/20 - 12/31/20 $4,000
The Lenfest Institute for Journalism, LLC
WKSU Hearken Initiative

COMPARATIVE DATA

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<th>Fiscal Year to Date</th>
<th>FY 2018 - 2019</th>
<th>FY 2019 - 2020</th>
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<tbody>
<tr>
<td>Total Funding</td>
<td>$ 23,535,666</td>
<td>$ 28,269,661</td>
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<tr>
<td>Research</td>
<td>$ 16,696,608</td>
<td>$ 18,211,153</td>
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<tr>
<td>Instruction</td>
<td>$ 1,477,747</td>
<td>$ 4,287,659</td>
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<tr>
<td>Other Activity</td>
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<td>$ 5,770,849</td>
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