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

EXTRAMURAL FUNDING REPORT

<table>
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<th>Funds awarded for</th>
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<td>October- December 2019</td>
<td>FY2019 - 2020</td>
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Research

Timothy Assal, Geography  
U.S. Geological Survey  
*Assessment of environmental benefits of Agricultural Lands with Space-based Observations*  
11/21/19 - 11/20/24  
$37,000

Gargi Bhaduri, Fashion Design and Merchandising  
Cotton Incorporated  
*The "Better" Cotton Challenge: A Student Challenge to Create a Clothing Line focusing on Cotton Sustainability, Cotton Performance Technologies, and/or Cotton Fiber Knowledge to Build Competitive Advantage for Brands and Meet Consumer Demands*  
01/01/20 - 12/31/20  
$28,353

Philip Bos, Advanced Materials Liquid Crystal Institute/Physics  
Oculus VR, LLC  
*Tunable Hybrid LC Lenses*  
Supplement 12/02/19 - 06/30/20  
$112,000

Thomas Brewer, College of Public Health  
Podiatry Foundation  
*Medicaid Coverage for Podiatric Care: A National Survey*  
10/01/19 - 09/30/20  
$59,820

Rebecca Catto, Sociology  
Subaward University of Birmingham (England)/John Templeton Foundation  
*Science and Religion Exploring the Spectrum: Taking a Global Perspective*  
01/01/19 - 03/31/22  
$112,481

L.C. Chien, Advanced Materials Liquid Crystal Institute/Chemical Physics  
Industry Partner  
*Smart High-Contrast Liquid Crystal Windows*  
01/01/20 - 02/28/20  
$30,561

Qunxing Ding, East Liverpool  
Subaward University of Kentucky/National Institute of Environmental Health Sciences  
*Developmental Effects of Manganese Exposure in Rural Adolescents: The CARES Cohort Comes of Age*  
09/01/19 - 08/31/20  
$4,685

John Dunlosky, Psychology  
Katherine Rawson, Psychology  
National Science Foundation  
*Enhancing Durable and Efficient Student Learning in Gateway STEM Courses*  
12/01/19 - 11/30/22  
$552,145

Yanhai Du, College of Aeronautics and Engineering  
Subcontract Yanhai Power LLC/U.S. Air Force Research Laboratory  
*Jet Fuels On-Board Miniature Desulfurizer*  
12/19/19 - 03/20/20  
$13,750
Yanhai Du, College of Aeronautics and Engineering
Rui Liu, College of Aeronautics and Engineering
D Blake Stringer, College of Aeronautics and Engineering
Subcontract Wright State Applied Research Corporation /Ohio Federal Research Network
*A Hybrid Fuel Cell-Battery-Capacitor Power Source for UAS*

Rick Ferdig, Lifespan Development and Educational Sciences
Subaward Cleveland Metroparks /U.S. Department of Agriculture
*Dissemination of a mobile and GIS-based app to address tree health*

Pamela Ferguson, Research and Evaluation Bureau
Subaward University of Delaware /National Science Foundation
*PIRE: Bio-Inspired Materials and Systems*

Pamela Ferguson, Research and Evaluation Bureau
Anthony Shreffler, Research and Evaluation Bureau
Subaward Richland Public Health /Substance Abuse and Mental Health Services Administration
*Drug-Free Communities for the Richland County Youth Substance Coalition*

Pamela Ferguson, Research and Evaluation Bureau
Subaward University of Akron /U.S. Department of Education
*NE Ohio ACHIEVE: Access to Curriculum & High Quality Instruction for Educators Valuing English Language Learners*

Gregory Gibson, Sociology
Health Assessment Resource Center
*Health Research and Assessment for Communities*

Carrie Godwin Inaba, Lifespan Development and Educational Sciences
Subaward Carnegie Mellon University /National Science Foundation
*The Effect of Pictures in Books for Beginning Readers on Attention Allocation, Reading Fluency, and Reading Comprehension in K-2 Students*

Nadia Greenhalgh-Stanley, Economics
Borchard Foundation
*How to Incentivize Eligible Elderly to Take up SNAP Benefits?*

John Gunstad, Psychology
Subaward Sanford Research /National Institute of Diabetes and Digestive and Kidney Diseases
*Post-Surgical Predictors of Depression and Weight Regain After Bariatric Surgery*

John Gunstad, Psychology
Cleveland Brain Health Initiative
*Using Automated Speech Analysis to Predict Cognitive Decline and Future Alzheimer's Disease*

Jeffrey Hallam, Social and Behavioral Sciences
Oriana House, Inc.
*Co-op with Oriana House, Inc.: Student Lusine*

Jeffrey Hallam, Social and Behavioral Sciences
Cleveland Clinic Foundation
*Student Co-op Experience - Student Elena*
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<th>Name</th>
<th>Institution</th>
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<td>Torsten Hegmann, Advanced Materials Liquid Crystal Institute/Chemistry</td>
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<td>Mary Himmelstein, Psychology</td>
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<td>Lauren Kinsman-Costello, Biological Sciences</td>
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<td>Gary Koski, Biological Sciences</td>
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<td><strong>Correcting the Anti-HER-2 CD4 Th1 Response in Breast Cancer Therapy to Prevent Recurrence</strong></td>
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<td>Mourad Krifa, Fashion Design and Merchandising</td>
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<tr>
<td>Mourad Krifa, Fashion Design and Merchandising</td>
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<td>Oleg Lavrentovich, Advanced Materials Liquid Crystal Institute/Physics</td>
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<td><strong>Dielectric Photomasks for Nanopatterning Arbitrary Molecular Orientations</strong></td>
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Quan Li, Advanced Materials Liquid Crystals Institute
Suaward Azimuth Corporation / U.S. Air Force Research Laboratory
*Well-defined Light-responsive Chiral Liquid Crystal Materials for Tunable Photonics*

Jennifer Mapes, Geography
Sara Koopman, School of Peace & Conflict Studies
Subaward Ohio Humanities / National Endowment for the Humanities
*Mapping May 4th: Voices of a Community*

John McDaniel, Health Sciences
Craig H. Neilsen Foundation
*Disseminating Overground FES Cycling into the Community*

Ryan Miller, English
Subaward Carnegie Mellon University / Qatar National Research Foundation
*Enhancing technical and professional writing instruction and student performance through action research*

Ashley Nickels, Political Science
Casey Boyd-Swan, Political Science
American Political Science Association
*Growing Democracy: Community Conversations and Workshop Series*

Joseph Ortiz, Geology
Subaward Ohio Space Grant Consortium / National Aeronautics and Space Administration
*Ohio Space Grant Consortium Campus Allotment*

Phillip Rumrill, Lifespan Development and Educational Sciences
Jian Li, Foundations, Leadership and Administration
National Multiple Sclerosis Society
*A Two-Phase Examination of Labor Force Participation, Employment Concerns, and Workplace Discrimination among Latinas/os and African Americans with Multiple Sclerosis*

Phillip Rumrill, Lifespan Development and Educational Sciences
Mykal Leslie, Lifespan Development and Educational Sciences
Subaward Virginia Commonwealth University / Administration for Community Living
*Rehabilitation Research and Training Center (RRTC) on Employment of Transition-Age Youth with Disabilities*

Phillip Rumrill, Lifespan Development and Educational Sciences
Mykal Leslie, Lifespan Development and Educational Sciences
Subaward Virginia Commonwealth University / Administration for Community Living
*Rehabilitation Research and Training Center (RTTC) on Employment of People with Intellectual and Developmental Disabilities*

Amy Sato, Psychology
David Fresco, Psychology
Manfred van Dulmen, Psychology
National Institute of Child Health and Human Development
*Reducing Emotional Eating in Obese Low-Income Adolescents with Mindfulness-Based Behavioral Weight Management*
Scott Sheridan, Geography
Case Western Reserve University
*Case Western Reserve University Internship for Kent State University Geography Student*
08/15/19 - 05/31/20 $16,000

Mary Beth Spitznagel, Psychology
Zoetis LLC
*Caregiver Burden for Pet Owners*
01/01/20 - 12/31/20 $25,000

D Blake Stringer, College of Aeronautics and Engineering
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration
*NASA Student Launch Competition (2019-2020)*
11/01/19 - 07/31/20 $5,000

D Blake Stringer, College of Aeronautics and Engineering
Subaward Ohio Space Grant Consortium /National Aeronautics and Space Administration
*Kent State University AIAA Design/Build/Fly Competition Entry*
11/01/19 - 07/31/20 $5,000

David Ward, Biological Sciences
Melissa Davis, Biological Sciences
Megan Griffiths, Biological Sciences
The Native Plant Society of Northeastern Ohio
*Problem Plants of Ohio*
10/15/19 - 10/14/20 $500

John West, Arts and Sciences
Antal Jakli, Advanced Materials Liquid Crystal Institute/Physics
Subaward University of Akron /National Science Foundation
*Type II: The University of Akron I-Corps Site - Liquid Crystal Fabric Sensors (F19-019)*
10/04/20 - 02/29/20 $2,500

Salma Benhaida, Office of Global Education
Subaward International Research and Exchanges Board /U.S. Department of State
*Global Undergraduate Exchange Program in Pakistan - Spring 2020 supplement*
Continuation 01/01/20 - 05/31/20 $26,839

James Campbell, Design Innovation Initiative
Annette Kratcoski, Education, Health, & Human Services
Julie Messing, LaunchNET/University Libraries
Burton D. Morgan Foundation
*Teachers and Students: Building a cohort of Design Innovation Change Agents*
06/01/20 - 05/31/21 $10,000

Robin Dever, Geauga Campus
The Cleveland Foundation
*Rising Scholars at Kent State Geauga: Creating a Pathway for Success in College, Careers and Beyond*
01/01/20 - 12/31/20 $14,079

Susan Grogan-Johnson, Health Sciences
Greenfield Village Exempted Schools
*Telepractive - Greenfield, Year 9*
08/15/19 - 05/31/20 $75,370
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<td>Jacqueline Marino</td>
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<td>Taryn McMahon</td>
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<td>John S. and James L. Knight Foundation, Inc.</td>
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<td>Power of Print: Resistance and Revolution in Akron</td>
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<td>Yvonne Michali</td>
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<td>Teaching Financial Literacy through the Lens of Self-Determination: A Resource for Persons with Intellectual and Developmental Disabilities</td>
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<td>Richard Robyns</td>
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<td>Washington Program in National Issues FY20 &amp; FY21</td>
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Stephen Schillig, Tuscarawas Campus
Ohio Development Services Agency
FY2020 Small Business Development Center (SBDC) at Tuscarawas (State)
10/01/19 - 09/30/20 $74,271

Stephen Schillig, Tuscarawas Campus
Subaward Ohio Development Services Agency /U.S. Small Business Administration
FY2020 Small Business Development Center (SBDC) at Tuscarawas (Federal)
10/01/19 - 09/30/20 $92,000

Theresa Schwarz, Urban Design Center/Architecture and Environmental Design
Katherine Slusher, Architecture and Environmental Design
St. Luke’s Foundation
Making Our Own Space: Commercial Corridors Workshops and Strategic Plan
12/12/19 - 12/11/20 $45,000

William Southards, College of Aeronautics and Engineering
Ohio Development Services Agency
Operation of a Small Business Development Center (SBDC) at KSU-CAEST FY2020 (State)
10/01/19 - 09/30/20 $38,400

William Southards, College of Aeronautics and Engineering
Subaward Ohio Development Services Agency /U.S. Small Business Administration
Operation of a Small Business Development Center (SBDC) at KSU-CAEST FY2020 (Federal)
10/01/19 - 09/30/20 $140,000

Andrew Tonge, Mathematics
Ohio Department of Higher Education
Strong Start to Finish CLASS Grant Round II
12/12/19 - 12/31/20 $19,000

COMPARATIVE DATA

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<th>Fiscal Year to Date</th>
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<td>Research</td>
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<tr>
<td>Instruction</td>
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<tr>
<td>Other Activity</td>
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