EXTRAMURAL FUNDING REPORT

Funds awarded for
July- September 2019
$17,770,612

Total funding to date
FY2019 - 2020
$17,770,612

Research

Simon Adamtey, Construction Management
Metis Construction Services
Analysis of Current Pre-Contract Practices of Sales Representatives and Future Markets for Metis Construction Services
08/01/19 - 03/31/20 $5,500

Timothy Assal, Geography
U.S. Geological Survey
Monitoring the Vegetation Dynamics of Shrubland Ecosystems with Respect to Ecological Disturbance and Management Actions
09/23/19 - 09/22/20 $45,500

Brian Barber, Lifespan Development and Educational Sciences
Subaward University of Florida /U.S. Department of Education
Efficacy Trial of I Control: An Intensive Intervention to Improve Self-Regulation for Middle School Students with Emotional & Behavioral Problems
Continuation 07/01/19 - 06/30/20 $359,193

Sara Bayramzadeh, Architecture and Environmental Design
Mary Anthony, Nursing
Douglas Delahanty, Psychology
Agency for Healthcare Research and Quality
Towards a Model of Safety and Care for Trauma Room Design
09/30/19 - 09/29/20 $623,125

Yossef Ben-Porath, Psychology
University of Minnesota
Further Development of the MMPI-2-RF/MMPI-3
07/01/19 - 06/30/20 $144,023

Yossef Ben-Porath, Psychology
Subaward University of Houston-Clear Lake /University of Minnesota Press
Using Presurgical Psychological Assessments to Predict Psychopathology and Weight Loss Outcomes Five Years after Bariatric Surgery
07/01/19 - 06/01/20 $12,182

Philip Bos, Advanced Materials Liquid Crystal Institute/Physics
Subaward Defense Engineering Corporation /U.S. Air Force Research Laboratory
Phase Control Element (PCE) Fabrication
07/01/19 - 06/30/20 $41,000

Gemma Casadesus Smith, Biological Sciences
Helen Piontkivska, Biological Sciences
National Institute on Aging
Characterization of transcriptome changes in diet-induced progression to METS/T2D to identify earliest and sex-specific neurodegenerative foci for AD development
08/01/19 - 04/30/20 $224,484
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<th>Principal Investigator(s)</th>
<th>Start Date - End Date</th>
<th>Amount</th>
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<td>Daniel Chand, Political Science</td>
<td>06/01/19 - 08/31/20</td>
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<td>Christopher Banks, Political Science</td>
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<td>Daniel Hawes, Political Science</td>
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<td>Russell Sage Foundation</td>
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<td><em>Detained Immigrants and Parole Decisions: Does Legal Aid Make a Difference?</em></td>
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<td><em>Costilla County San Luis Valley Substance Abuse Community Readiness</em></td>
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<td><em>Cognitive Neuroscience Research in Chiari Malformation</em></td>
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<td>Mary Ann Devine, Foundations, Leadership and Administration</td>
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<td>Ohio Parks &amp; Recreation Foundation</td>
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<td><em>Effectiveness of day camp staff training on preparedness to provide inclusive camp experiences for children with disabilities</em></td>
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<td>Patrick Dillon, Stark Campus</td>
<td>08/15/19 - 08/14/20</td>
<td>$1,680</td>
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<td>Villanova University</td>
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<td><em>African Americans and End-of-Life Care: Assessing Young Adults' Perceptions of Advance Care Planning and Hospice</em></td>
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<td>Patrick Dillon, Stark Campus</td>
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<td>Subaward University of Memphis /Substance Abuse and Mental Health Services Administration</td>
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<td><em>Mending Hearts SAMHSA 2018</em></td>
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<td><em>BVI SAMHSA 2018 MAT-PDOA</em></td>
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<td>Pamela Ferguson, Research and Evaluation Bureau</td>
<td>09/25/19 - 08/31/20</td>
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<td>Anthony Shreffler, Research and Evaluation Bureau</td>
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<td>Institute for Multi-Sensory Education</td>
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<td><em>Evaluation of IMSE: Orton-Gillingham</em></td>
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<td>Christopher Flessner, Psychology</td>
<td>07/01/19 - 06/30/21</td>
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<td>Amy Sato, Psychology</td>
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<td>National Institute of Child Health and Human Development</td>
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<td><em>The Food Allergy Superheroes Training (FAST) Program: Increasing Adherence to Food Allergy Safety Guidelines</em></td>
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<td>David Fresco, Psychology</td>
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<td>Subaward University of Michigan /National Center for Complementary &amp; Integrative Health</td>
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<td><em>Neural Mechanism of Mindfulness-Based Cognitive Therapy (MBCT) For Posttraumatic Stress Disorder (PTSD)</em></td>
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John Gunstad, Psychology  
Subaward North Dakota State University /National Institute of Diabetes and Digestive and Kidney Diseases  
*Mechanisms that Predict Weight Trajectory after Bariatric Surgery: The Interactive Roles of Behavior and Biology*

Elda Hegmann, Advanced Materials Liquid Crystal Institute/Biological Sciences  
Torsten Hegmann, Advanced Materials Liquid Crystal Institute/Chemistry  
Subaward University of Akron /National Science Foundation  
*Type II: The University of Akron I-Corps Site: Toxic Gas Detector (SU19-010)*

Torsten Hegmann, Advanced Materials Liquid Crystal Institute/Chemistry  
Antal Jakli, Advanced Materials Liquid Crystal Institute/Physics  
National Science Foundation  
*Quantifying and manipulating chirality and amplification of nanomaterials in liquid crystals*

Elizabeth Herndon, Geology  
Lauren Kinsman-Costello, Biological Sciences  
National Science Foundation  
*Collaborative Research: Biological and geochemical controls on phosphorus bioavailability in arctic tundra*

Adam Jajtner, Health Sciences  
Emily Tagesen, Health Sciences  
National Strength and Conditioning Association  
*A comparison of Acute Muscle Damage between the Luteal and Follicular Phases in Resistance Exercise*

Antal Jakli, Advanced Materials Liquid Crystal Institute/Physics  
Subaward University of Akron /National Science Foundation  
*Type II: The University of Akron I-Corps Site: Male Fertility Kit (SU19-011)*

Jill Kawalec, College of Podiatric Medicine  
Subaward University of Akron /National Science Foundation  
*Type II: The University of Akron I-Corps Site: Liquid Crystal Fabric (SU19-017)*

Deric Kenne, Health Policy Management  
Ruoming Jin, Computer Science  
Substance Abuse and Mental Health Services Administration  
*Northeast Ohio Tri-County Prevention Infrastructure (TCPI)*

Deric Kenne, Health Policy Management  
Early Childhood Resource Center  
*SPARK Evaluation 2020*

Javed Khan, Computer Science  
Philip Thomas, IT Enterprise Research Technology & Support  
National Science Foundation  
*CC* Networking Infrastructure: Network for Data Driven Science in Allied 21st Century Smart Multi-Campus System: A Use Case Design Through Kent State's Shareable Science DMZ
Karl Kosko, Teaching, Learning and Curriculum Studies 09/01/19 - 08/31/22 $1,488,759
Rick Ferdig, Lifespan Development and Educational Sciences
Cheng-Chang Lu, Computer Science
National Science Foundation
Design and Implementation of Immersive Representations of Practice

Manabu Kurokawa, Biological Sciences Continuation 08/01/19 - 07/31/20 $75,000
National Cancer Institute
Defining the in vivo role of Huw1 in p53 regulation

Oleg Lavrentovich, Advanced Materials Liquid Crystal Institute/Physics 06/25/19 - 02/21/20 $2,500
Subaward University of Akron /National Science Foundation
Type II: The University of Akron I-Corps Site: Photoaligned Cell Tissue Growth (SU19-012)

Jun Li, Mathematics 09/01/19 - 08/31/22 $34,967
National Science Foundation
Offline and Online Change-Point Analysis for Large-Scale Time Series Data

Elizabeth Mann, Physics Continuation 08/01/19 - 07/31/20 $124,927
National Science Foundation
Boundary lines and linactants: Structure, function, and dynamics

Hanbin Mao, Chemistry 08/15/19 - 07/31/22 $320,000
National Science Foundation
Single-Molecule Mechanochemical Sensing for Multiplexed Tasks: A Topological Strategy

Hanbin Mao, Chemistry Continuation 09/01/19 - 08/31/20 $305,731
National Cancer Institute
Specific Recognition of G-quadruplexes

Rachel McMahan, Lifespan Development and Educational Sciences Continuation 07/01/19 - 06/30/20 $380,000
Subaward Ohio Department of Education /U.S. Department of Education
Ohio Longitudinal Transition Study FY 14/15 - FY 19/20

Eric Mintz, Biological Sciences 09/01/19 - 08/31/22 $446,500
National Institute of General Medical Sciences
Regulation of Circadian Rhythms by Cannabinoids

Aleisha Moore, Biological Sciences Continuation 09/01/19 - 08/31/20 $113,014
National Institute of Child Health and Human Development
The role of Kisspeptin/Neurokinin B/Dynorphin (KNDy) neurons in the pathogenesis of polycystic ovarian syndrome

Devin Mueller, Biological Sciences Additional 08/21/18 - 05/31/20 $326,059
National Institute on Drug Abuse
Neural mechanisms underlying estradiol-enhanced extinction of cocaine seeking

Devin Mueller, Biological Sciences 08/01/19 - 02/29/20 $115,607
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
Bridget Mulvey, Teaching, Learning and Curriculum Studies  
Subaward Northeast Ohio Medical University/National Science Foundation  
**Role**: FELS: EAGER: Collaborative Research: Establishing the Feasibility of Avian Feather Muscles as a Study System for Motor Control  
**Dates**: 07/01/19 - 09/30/20  
**Amount**: $22,035

Chang-Guen Oh, Flight Training  
Dankook University  
*A Study of Customized Pilot Training Platform Associated with Virtual Reality (VR) and Augmented Reality (AR)*  
**Dates**: 07/01/19 - 06/30/20  
**Amount**: $39,000

Joseph Ortiz, Geology  
National Aeronautics and Space Administration  
*Remote Sensing Research for Harmful Algal Blooms in Inland Waters*  
**Dates**: 09/01/19 - 09/30/19  
**Amount**: $3,116

Gerassimos Petratos, Physics  
A. Mina T. Katramatou, Physics  
National Science Foundation  
*Structure of the Nucleon and Few-Body Nuclear Systems with Electron Scattering*  
**Dates**: 08/31/19 - 07/31/20  
**Amount**: $167,000

Elizabeth Piatt, Sociology  
U.S. Department of Education  
*Kent State University McNair Scholars Program*  
**Dates**: 10/01/19 - 09/30/20  
**Amount**: $263,154

Mohammad Poustinchi, Architecture and Environmental Design  
Alpha Micron, Inc.  
*3D Printable Goggles Design*  
**Dates**: 01/18/19 - 01/17/20  
**Amount**: $30,000

Katherine Rawson, Psychology  
Subaward Einstein Institute/National Institute on Deafness and Other Communication Disorders  
*Retrieval Practice Principles: A Theory of Learning for Aphasia Rehabilitation*  
**Dates**: 04/01/19 - 03/31/20  
**Amount**: $15,178

Stephen Roberts, Research and Sponsored Programs  
Ohio Development Services Agency  
*CSU & KSU Technology Validation and Start-Up Fund (TeCK Fund)*  
**Dates**: 06/10/19 - 07/01/21  
**Amount**: $300,000

Scott Sheridan, Geography  
Davey Resource Group  
*Davey Resource Group Internship for Kent State University Geography Student Andrews Boateng*  
**Dates**: 09/01/19 - 12/31/19  
**Amount**: $8,080

Tara Smith, Epidemiology/Biostatistics  
Children's Hospital Medical Center of Akron  
*Program Development, Participation in Strategic Planning, and Mentoring of Junior Scientists and Trainees in the Research Institute at Akron Children's Medical Center by Dr. Tara Smith of Kent State U*  
**Dates**: 09/01/19 - 08/31/20  
**Amount**: $29,737

Samuel Sprunt, Physics  
Hamza Balci, Physics  
James Gleeson, Physics  
Antal Jakli, Advanced Materials Liquid Crystal Institute/Physics  
National Science Foundation  
*Phase Behavior and Physical Properties of Thermotropic and Lyotropic Liquid Crystal Oligomers*  
**Dates**: 07/15/19 - 06/30/22  
**Amount**: $573,103
Melody Tankersley, Graduate Studies  
Nola Daley, Psychology  
National Science Foundation  
*NSF Graduate Research Fellowship Program - Nola Daley*

Clarissa Thompson, Psychology  
Annette Kratcoski, Education, Health, & Human Services  
Subaward The Ohio State University / U.S. Department of Education  
*Cognitive Support for Learning Fractional Magnitudes*

Anthony Tosi, Anthropology  
Morgan Chaney, Anthropology  
National Science Foundation  
*Doctoral Dissertation Research: Investigating Genomic and Expression-level Adaptations for Detoxification in Primates*

Robert Twieg, Chemistry  
National Science Foundation  
*DMREF: Collaborative Research: Accelerated Design and Deployment of Metal Alloy Surfaces for Chemoresponsive Liquid Crystals*

Darlene Unger, Lifespan Development and Educational Sciences  
Rachel McMahan, Lifespan Development and Educational Sciences  
Administration for Community Living  
*A Professional Development and Case Management (PDCM) Model for Seamless Transition Planning: Improving Postschool Outcomes*

Srinivasan Vijayaraghavan, Biological Sciences  
National Institute of Child Health and Human Development  
*Regulation of sperm metabolism and fertility by calcineurin and GSK3*

David Ward, Biological Sciences  
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*

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*

Ye Zhao, Computer Science  
*Full Stack Development for Scientific Data Analysis and Visualization*

Ye Zhao, Computer Science  
*Using Visualization for Explainable Machine Learning*

Artem Zvavitch, Mathematics  
Simons Foundation  
*Functional Inequalities in Convex Geometry*
Artem Zvavitch, Mathematics  
Dmitry Ryabogin, Mathematics  
United States-Israel Binational Science Foundation  
*Convex and integral geometry and its relations to harmonic analysis and representation theory*

Artem Zvavitch, Mathematics  
Peter Gordon, Mathematics  
Fedor Nazarov, Mathematics  
Dmitry Ryabogin, Mathematics  
National Science Foundation  
*Informal Analysis Seminar*

**Instruction**

Sonia Alemagno, College of Public Health  
Renewed 07/01/19 - 06/30/20  
*Choose Ohio First Scholarship Program: Scholarships in STEMM at Kent State University in Public Health*

Jennifer Miller, College of Public Health  
Ohio Department of Higher Education  
Renewed 07/01/19 - 06/30/20  
*Choose Ohio First Scholarship Program: Scholarships in STEMM at Kent State University in Public Health*

Loretta Aller, Stark Campus  
Health Foundation of Greater Massillon  
Kent State Stark Nursing Department Simulation Medical Cart  
Renewed 05/16/19 - 05/15/20  
*$5,787*

Salma Benhaida, Office of Global Education  
Subaward World Learning / U.S. Department of State  
*2019-2020 Global Undergraduate Exchange Program (Global UGRAD)*  
Renewed 08/15/19 - 12/31/19  
*$20,024*

Ching-I Chen, Lifespan Development and Educational Sciences  
Kizzy Albritton, Lifespan Development and Educational Sciences  
U.S. Department of Education  
*Interdisciplinary Preparation in Early Educational Professions (Project INPREP)*  
Renewed 11/01/19 - 10/31/20  
*$200,403*

Alicia Crowe, Education, Health, & Human Services  
Stephen Mitchell, Education, Health, & Human Services  
Debora Rozner, English as a Second Language  
Alexa Sandmann, Teaching, Learning and Curriculum Studies  
Saudi Arabian Ministry of Education  
*Building Leadership for Change Through School Immersion: Cohort 3*  
Renewed 07/15/19 - 07/14/20  
*$1,283,799*

Sanna Harjusola-Webb, Lifespan Development and Educational Sciences  
U.S. Department of Education  
*Project NEXT (Natural Environments x Teams)*  
Renewed 10/01/19 - 09/30/20  
*$250,000*

Aloysius Kasturiarachi, Stark Campus  
Christine Kauth, Stark Campus  
Gregory A Smith, Stark Campus  
Ohio Department of Higher Education  
*Choose Ohio First Scholarship Program: Scholarships in STEMM at Kent State University - Stark*  
Renewed 07/01/19 - 06/30/20  
*$100,737*
Edgar Kooijman, Biological Sciences
Gail Fraizer, Biological Sciences
Ohio Department of Higher Education
Choose Ohio First Scholarship Program: Career Pathways in STEM-Life Sciences: Advancing the human condition with technology

Continuation 07/01/19 - 06/30/20 $135,000

Edgar Kooijman, Biological Sciences
Ohio Department of Higher Education
Choose Ohio First Scholarship Program: Integrated Science Training for Northeast Ohio's Future Biomedical and Biotechnology Workforce - Legacy program

Continuation 07/01/19 - 06/30/20 $25,500

Tracey Motter, Nursing
Christine Kauth, Stark Campus
Ohio Department of Higher Education
Choose Ohio First Scholarship Program: Linked-In to Practice BSN Program

Continuation 07/01/19 - 06/30/20 $89,600

Davison Mupinga, Teaching, Learning and Curriculum Studies
Subaward Ohio Department of Education / U.S. Department of Education
CTE Teacher Preparation and Retention FY20

Continuation 07/01/19 - 06/30/20 $100,000

Joseph Ortiz, Geology
Subaward Ohio Space Grant Consortium/ National Aeronautics and Space Administration
Ohio Space Grant Consortium Junior/Senior Scholarships AY19/20

Continuation 08/21/19 - 05/31/20 $9,500

Frank Sansosti, Lifespan Development and Educational Sciences
Ohio Department of Education
School Psychology Internship Coordination and Recruitment Kent State University School Psychology Program (FY 19)

Continuation 07/01/19 - 06/30/20 $10,000

Evgenia Soprunova, Mathematics
Darci Kracht, Mathematics
Andrew Tonge, Mathematics
Ohio Department of Higher Education
Choose Ohio First Scholarship Program: Careers in Mathematics and Computer Science

Continuation 07/01/19 - 06/30/20 $649,000

Evgenia Soprunova, Mathematics
Andrew Tonge, Mathematics
Ohio Department of Higher Education
Choose Ohio First Scholarship Program: Student Success in Math - Legacy Program

Continuation 07/01/19 - 06/30/20 $76,700

Michael Tubergen, Chemistry
Robin Selinger, Advanced Materials Liquid Crystal Institute/Physics
Ohio Department of Higher Education
Choose Ohio First Scholarship Program: Workforce Training for Ohio's STEM Industries

Continuation 07/01/19 - 06/30/20 $72,000

Wendy Umberger, Nursing
Andrea Warner Stidham, Nursing
Health Resources and Services Administration
Building Interdisciplinary Teams and Preparing Psychiatric Mental Health (PMH) Nurse Practitioners to Provide PMH Treatment in Integrated Primary Care

Continuation 09/01/19 - 08/31/20 $318,658
Wendy Umberger, Nursing
Ohio Mental Health and Addiction Services
*Kent State University Advanced Practice Psychiatric Mental Health Nursing*

**Other Sponsored Activity**

Rebecca Balogh Gates, Theatre and Dance
Frans Eric Van Baars, Theatre and Dance
Ohio Arts Council
*Porthouse Theatre / Kent State University*

David Hassler, Wick Poetry Program/Arts and Sciences
Jessica Jewell, Wick Poetry Program/Arts and Sciences
Charles Malone, Wick Poetry Program/Arts and Sciences
Gyorgyi Mihalyi-Jewell, Wick Poetry Program/Arts and Sciences
Ohio Arts Council
*Traveling Stanzas*

Todd Hawley, Teaching, Leadership and Curriculum Studies
Laura Davis, English
National Endowment for the Humanities
*Making Meaning of May 4th: The 1970 Kent State Shootings in U. S. History*

Tara Hudson, Foundations, Leadership and Administration
Timothy Pagliari, Regional Development
Mary Parker, Enrollment Management
Ascendium Education Solutions, Inc.
*Development of a Statewide Comprehensive Transfer Blueprint*

Eric Kenne, Health Policy Management
Substance Abuse and Mental Health Services Administration
*More Aware Initiative*

Jennie Koch, Transfer Center
Subaward Cuyahoga Community College /Ohio Department of Education
*Tech Prep FY20 Funding*

Donald Larabee, Salem Campus
Ohio Department of Natural Resources
*Soil and Water Explorations Workshop Fishing Event*

David Mitchell, Tuscarawas Campus
Ohio Arts Council
*Performing Arts Center Kent State Univ at Tuscarawas/Operating Support*

David Mitchell, Tuscarawas Campus
Ohio Arts Council
*Performing Arts Center Kent State University at Tuscarawas Guest Artist Support*
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<th>Campus</th>
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<td>Christopher Post</td>
<td>Stark Campus</td>
<td>08/01/19 - 07/31/20</td>
<td>Dominion East Ohio Foundation</td>
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<td>Trumbull Campus</td>
<td>07/01/19 - 12/31/19</td>
<td>Community Foundation of the Mahoning Valley</td>
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<td>Jeffrey Rockland</td>
<td>Stark Campus</td>
<td>07/01/19 - 11/30/19</td>
<td>Subaward Arts Midwest /National Endowment for the Arts</td>
<td>$1,000</td>
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<td>Sarah Rogers</td>
<td>Museum</td>
<td>07/01/19 - 06/30/20</td>
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<td>Ohio Literacy Resource Center/Teaching, Learning and Curriculum Studies</td>
<td>07/01/19 - 06/30/20</td>
<td>Kent State University Museum / Operating Support</td>
<td>$1,157,700</td>
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<td>Alexa Sandmann</td>
<td>University of Akron</td>
<td>07/01/19 - 06/30/20</td>
<td>Subaward Ohio Department of Higher Education /U.S. Department of Education</td>
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<td>Arek L. Dogrul</td>
<td>Teaching, Learning and Curriculum Studies</td>
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<td>Tutor Ready Writing Videos</td>
<td>07/01/19 - 08/31/20</td>
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<td>Marty Ropog</td>
<td>Ohio Literacy Resource Center/Teaching, Learning and Curriculum Studies</td>
<td>Continuation 08/01/19 - 05/31/20</td>
<td>Kent State University's GED Program: Bridging the Path to Higher Education</td>
<td>$7,500</td>
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<td>Paul Sampson</td>
<td>Chemistry</td>
<td>07/01/19 - 06/30/20</td>
<td>Ohio Department of Higher Education</td>
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<td>Stephen Schillig</td>
<td>Tuscarawas Campus</td>
<td>10/01/18 - 09/30/19</td>
<td>Subaward Ohio Development Services Agency /U.S. Small Business Administration</td>
<td>$19,876</td>
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<td>Julia Stoll</td>
<td>Teaching, Learning and Curriculum Studies</td>
<td>09/25/19 - 06/30/20</td>
<td>Ohio Department of Education</td>
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<td>Early Childhood Education Grant, FY20</td>
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Melody Tankersley, Office of the Provost
Amy Reynolds, Communication and Information
Ohio Department of Higher Education
Kent State University First Star Academy

Dean Tondiglia, Police Department
Ohio Department of Public Safety
Use of an Explosives Detecting Canine

Continuation 07/01/19 - 06/30/20 $8,000

Erin Vaughn, Stark Campus
Ohio Arts Council
Kent State Stark Guitar Weekend

07/01/19 - 04/30/20 $1,997

COMPARATIVE DATA

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<td>Research</td>
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<td>$ 10,812,996</td>
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<td>Instruction</td>
<td>$ 1,464,863</td>
<td>$ 3,457,032</td>
</tr>
<tr>
<td>Other Activity</td>
<td>$ 3,123,427</td>
<td>$ 3,500,584</td>
</tr>
</tbody>
</table>