## Research

<table>
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<tr>
<th>Research Project</th>
<th>Investigator(s)</th>
<th>Start Date</th>
<th>End Date</th>
<th>Funding</th>
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<td>Sonia Alemagno, College of Public Health</td>
<td>09/01/13 - 08/31/14</td>
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<td>Subaward City of Cleveland /U.S. Department of Housing and Urban Development</td>
<td>2013-2014 Community Development Block Grant: HIV/AIDS Prevention Grant</td>
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<td>Michael Alosco, Psychology</td>
<td>07/01/13 - 06/30/15</td>
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<td>American Heart Association, Ohio Valley Affiliate</td>
<td>Prevalence and Predictors of Impaired Driving in Heart Failure</td>
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<td>Darren Bade, Biological Sciences</td>
<td>02/01/13 - 01/31/14</td>
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<td>Laura Leff, Biological Sciences</td>
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<td>Xiaozhen Mou, Biological Sciences</td>
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<td>Subaward The Ohio State University /National Oceanic and Atmospheric Administration</td>
<td>Should Nitrogen Be Managed in Lake Erie? The Potential Role of Nitrogen Fixation by Cyanobacteria R/ER-097</td>
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<td>Robert Baer, Lifespan Development and Educational Sciences</td>
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<td>Greg Jarvie, Enrollment Management and Student Affairs</td>
<td>U.S. Department of Education</td>
<td>A Transition and Postsecondary Program for Students with Intellectual Disabilities at Kent State University</td>
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<td>Jacob Barkley, Health Sciences</td>
<td>06/01/13 - 12/31/14</td>
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<td>Subaward W.R. Healthcare Management /Boston Scientific Corporation</td>
<td>Perceived Pain, Physical Activity, and Quality of Life After Spinal Cord Stimulation Unit Replacement</td>
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<td>Laura Bartolo, Arts and Sciences</td>
<td>Continuation 06/01/13 - 05/31/14</td>
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<td>National Institute of Standards and Technology</td>
<td>Cobalt-Based Superalloys Case Study as Part of the Data, Models &amp; Measurements for the Materials Innovation</td>
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<td>Yossef Ben-Porath, Psychology</td>
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<td>University of Minnesota Press</td>
<td>MMPI-2-RF Score and Interpretive Report Support and Development</td>
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<td>Philip Bos, Liquid Crystal Institute/Chemical Physics</td>
<td>07/01/13 - 03/31/14</td>
<td>$25,000</td>
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<td>Subaward Holoeye Inc. /U.S. Air Force Research Laboratory</td>
<td>Color Ultrahigh Definition Microdisplay (CUDM)</td>
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Nicola Brasch, Chemistry 08/01/13 - 07/31/16 $130,000  
National Science Foundation  
_Synthesis and Mechanistic Studies on the Reactions of Photoactive Nitrosyl Hydride (HNO) Precursors with Biological Reductants_

Heather Caldwell, Biological Sciences  
Continuation 08/01/13 - 07/31/14 $70,656  
National Institute of Mental Health  
_Development of Genetic Tools to Study Central Avp1b Receptors_

Yea-Jyh Chen, Nursing  
Continuation 07/01/13 - 06/30/14 $6,000  
Subaward West Virginia University /Health Resources and Services Administration  
_Competency Orientation for Retention Enhancement ICU_

Nickel Producers Environmental Research Association  
Validating Ecological Indicators of Metal Bioavailability: A Study of the Thompson and Birchtree Mines, Thompson, Manitoba

Douglas Delahanty, Psychology 01/01/13 - 12/31/15 $34,800  
Subaward Summit County / Oriana House /Substance Abuse and Mental Health Services Administration  
_Summit County Drug Court Enhancement Grant_

Douglas Delahanty, Psychology 07/01/13 - 06/30/14 $81,445  
Ohio Department of Public Safety  
_Traumatic Injury Patients and Their Families_

Feodor Dragan, Computer Science 08/18/13 - 12/31/13 $8,276  
GraphSQL, Inc.  
Kent State University Industrial Assistantship Program: Bo You

Barry Dunietz, Chemistry Additional 09/15/12 - 04/14/14 $102,577  
U.S. Department of Energy  
_Electron transport modeling of molecular nanoscale bridges used in energy conversion schemes_

James Gleeson, Physics 08/15/13 - 07/31/17 $345,000  
Antal Jakli, Liquid Crystal Institute/Chemical Physics  
Samuel Sprunt, Physics  
Robert Twieg, Chemistry  
National Science Foundation  
_Connecting Short Range Order to Macroscopic Properties in Complex Structured Fluids_

Susan Grogan-Johnson, Health Sciences 08/01/13 - 02/28/15 $5,000  
American Speech-Language Hearing Association  
_Mentored Teaching Plan_
Songping Huang, Chemistry
Soumitra Basu, Chemistry
National Cancer Institute
Prussian Blue Nanoparticles as Cellular T1 MRI Contrast Agents

Eric Jefferis, Social and Behavioral Sciences
Andrew Curtis, Geography
Lauren Porter, Sociology
U.S. Department of Justice
Research on Offender Decision-Making Utilizing Geo-Narratives

Ruoming Jin, Computer Science
GraphSQL, Inc.
Towards Unified Graph and Relational Analysis

Ruoming Jin, Computer Science
Subaward The University of Oregon / National Institute of General Medical Sciences
Understanding the Mechanism of Social Network Influence in Health Outcomes through Multidimensional and Semantic Data Mining Approaches

Deric Kenne, Health Policy Management
Sisters of Charity Foundation of Canton
SPARK: Supporting Partnerships to Assure Ready Kids

Deric Kenne, Health Policy Management
Subaward Ohio Department of Education / Sisters of Charity Foundation / U.S. Department of Education
ARRA: SPARK Ohio Race to the Top Evaluation

Deric Kenne, Health Policy Management
Subaward Ohio Department of Mental Health and Addiction Services / Substance Abuse and Mental Health Services Administration
Reducing High Risk Drinking Among College Students

Dianne Kerr, Health Sciences
Subaward Canton City Health Department / Ohio Department of Health / U.S. Department of Health and Human Services
Personal Responsibility Education Program (PREP) - Region 6

Edgar Kooijman, Biological Sciences
Subaward Worcester Polytechnic Institute / National Science Foundation
Physiochemical Foundations of Lipid Phosphomonoester Group Mediated Cell Signaling Events

Annette Kratcoski, Research Center for Educational Technology / Teaching, Leadership and Curriculum Studies
Martha Holden Jennings Foundation
Connecting at the Core

Satyendra Kumar, Physics
United States-Israel Binational Science Foundation
Liquid Crystals Photoalignment
Quan Li, Liquid Crystal Institute
Subaward Boston Applied Technologies, Incorporated /National Aeronautics and Space Administration
*Novel Near-to-Mid IR Imaging Sensors without Cooling*

Quan Li, Liquid Crystal Institute
U.S. Air Force
*Novel Organo-Soluble Optically Tunable Chiral Hybrid Gold Nanorods*

Patrick Lorch, Biological Sciences
National Science Foundation
*REU Sites: Terrestrial-aquatic Linkages in Urban Impacted Ecosystems*

Mark Manley, Physics
U.S. Department of Energy
*Baryon Spectroscopy Through Partial-Wave Analysis and Meson Photoproduction*

Mark Manley, Physics
U.S. Department of Energy
*Supplement Baryon Spectroscopy Through Partial-Wave Analysis and Meson Photoproduction*

Jennifer McDonough, Biological Sciences
Ernest Freeman, Salem Campus
Roger Gregory, Chemistry
National Institute of Neurological Disorders and Stroke
*Neuronal Expression of Hemoglobin in Multiple Sclerosis Cortex*

Xiaozhen Mou, Biological Sciences
Ohio Lake Erie Commission
*Isolation of Microcystin-degrading Bacteria*

Marilyn Norconk, Anthropology
International Primatological Society
*Primate Field Ecology and Conservation Workshop in Suriname*

Marilyn Norconk, Anthropology
Conservation International
*Primate Field Ecology and Conservation Workshop for Suriname University Students at Brownsberg Nature Park, Suriname*

Willie Oglesby, Social and Behavioral Sciences/Health Policy Management
Ken Slenkovich, College of Public Health
Children's Hospital Medical Center of Akron
*Children's Hospital Needs Assessment Mahoning Valley*

Peter Palffy-Muhoray, Liquid Crystal Institute/Chemical Physics
Subaward Washington State University /National Science Foundation
*EFRI-ODISSEI: Photomorphon Networks: Intelligent Shape Changing Structures*

Cynthia Roller, Nursing
American Nurses Foundation
*Healthcare Decision-Making by Transgender Individuals*
Phillip Rumrill, Lifespan Development and Educational Sciences
U.S. Department of Education
Project CAREER: Development of an Interprofessional Demonstration to Support the Transition of Students with Traumatic Brain Injuries from Postsecondary Education to Employment

Richard Serpe, Sociology
Gregory Gibson, Sociology
Subaward Ohio Department of Developmental Disabilities / Ohio State University /U.S. Department of Health and Human Services
DD Wait List Survey

Deborah Shama-Davis, Research and Evaluation Bureau
Subaward Akron Board of Education / U.S. Department of Education
Akron Public Schools School Improvement Grant (S.I.G.)

Deborah Shama-Davis, Research and Evaluation Bureau
Subaward Akron Public School District / U.S. Department of Education
Akron Public Schools 21st Century After-School Program 2012-2013

Scott Sheridan, Geography
National Aeronautics and Space Administration
Development of a Water Clarity Index for the Southeastern U.S. as a Climate Indicator

Peter Tandy, Physics
National Science Foundation
Continuation Hadron Physics and Non-Perturbative QCD Modeling

James Tyner, Geography
National Science Foundation
Geographies of Health and Medical Programs in Conflict-Society

Ye Zhao, Computer Science
National Science Foundation
EAGER: Collaborative Research: Visualizing Event Dynamics with Narrative Animation

Instruction
Salma Benhaida, Office of Global Education
Vietnam Education Fund
VF Fellowship Grant - Cohort 2013 - Phan Tu Linh

Salma Benhaida, Office of Global Education
Subaward International Research & Exchanges Board (IREX) / U.S. Department of State
Thomas Jefferson Scholarship Program 2013-2014 Tunisia UGRAD

Barbara Drew, Nursing
Wendy Umberger, Nursing
Ohio Department of Mental Health
Kent State University Advanced Practice Psychiatric Mental Health Nursing
Lawrence Epps, Applied Engineering, Sustainability, & Technology  
Ohio Board of Regents  
*Choose Ohio First Scholarship Program: Aeronautics*

Sherice Freeman, Research and Graduate Studies  
U.S. Department of Education  
*Ronald E. McNair Post-Baccalaureate Achievement Program*

James Gleeson, Physics  
Adam Leff, Biological Sciences  
Ohio Board of Regents  
*Choose Ohio First Scholarship Program: Integrated Science Training for Northeast Ohio's Future Biomedical and Biotechnology Workforce*

Sanna Harjusola-Webb, Lifespan Development and Educational Sciences  
U.S. Department of Education  
*Project EI-NEST-DL: Early Intervention in Natural Environments Specialization Training Through Distance Learning*

Mary Lou Holly, Teaching, Learning and Curriculum Studies  
Ohio Board of Regents  
*Choose Ohio First Scholarship Program: Improving Retention and Learning of STEM Student Through Learning Communities*

Caven Mcloughlin, Lifespan Development and Educational Sciences  
U.S. Department of Education  
*Early Childhood Intervention for School Psychologists and Speech Pathologists*

Rachel McMahan, Lifespan Development and Educational Sciences  
Pamela Luft, Lifespan Development and Educational Sciences  
U.S. Department of Education  
*Preparation of Secondary Transition Specialists with Evidence-Based Practice Competencies*

Patrick O'Connor, Teaching, Learning and Curriculum Studies  
Subaward Ohio Department of Education /U.S. Department of Education  
*FY2014-FY2015 CTE Teacher Preparation & Retention*

Brent Robinson, Academic Success Center  
U.S. Department of Education  
*Kent State University SSS Grant Proposal 2010-2015*

Evgenia Soprunova, Mathematics  
Andrew Tonge, Mathematics  
Ohio Board of Regents  
*Choose Ohio First Scholarship Program: Student Success in Math*

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**Public Service**

Joanne Arhar, VACCA Office of Student Services  
Subaward Ohio Department of Education /U.S. Department of Education  
*Minding the Gap: A K-16 Partnership to Align High School, College, and Career Technical Education Curriculum in Math and English/Language in Northeast Ohio - year 3*  
07/01/13 - 06/30/14  $48,097
Rebecca Balogh Gates, Theatre and Dance 07/01/13 - 06/30/14 $20,841
Ohio Arts Council
Porthouse Theatre/Operating Support

Madhav Bhatta, Biostatistics/Epidemiology/Environmental Health 07/01/13 - 06/30/14 $7,500
Subaward Carroll County Health District /Centers for Disease Control and Prevention
Carroll County Epidemiology Services

Thomas Brewer, Social and Behavioral Sciences Additional 09/01/12 - 08/31/13 $9,970
Heather Beaird, Biostatistics/Epidemiology/Environmental Health
Subaward Summit County Health District /Centers for Disease Control and Prevention
Partnership with Summit County Health District

Carolyn Brodie, Library and Information Science 01/01/12 - 12/31/13 $180,000
Greg Byerly, Library and Information Science
Kiersten Latham, Library and Information Science
Reinberger Foundation
Reinberger Library Museum Studies Program

Anne Brown, VP Finance and Administration 10/01/13 - 06/30/14 $102,600
David Poluga, Kent State Airport
Federal Aviation Administration
Kent State University Airport: Conduct Sustainability Master Plan

Joanne Caniglia, Teaching, Learning and Curriculum Studies 08/01/13 - 01/31/14 $5,179
David Dumpe, Finance
The Sisler McFawn Foundation
The Kent State University Business-Special Education Partnership

Gary Ciuba, Trumbull Campus 10/01/13 - 09/30/14 $2,000
Carol Robinson, Trumbull Campus
Community Foundation of the Mahoning Valley
The Stage as Sign: Understanding and Connecting D/deaf and Hearing Cultures through Theatre

Reid Coffman, Architecture and Environmental Design 07/01/13 - 06/30/14 $11,197
Northeast Ohio Regional Sewer District
Bike Boxes: Living Roof Laboratory Project

Scott Courtney, Teaching, Learning and Curriculum Studies 07/01/13 - 08/15/14 $206,690
Joanne Caniglia, Teaching, Learning and Curriculum Studies
Subaward Ohio Department of Education /U.S. Department of Education
Warren City Schools-Kent State Mathematics Partnership Study Group Project

Jean Druesedow, Museum 07/01/13 - 06/30/14 $22,636
Ohio Arts Council
Kent State University Museum/Operating Support

E Henderson Ellis, VP Diversity, Equity and Inclusion Continuation 09/01/13 - 08/31/14 $248,771
Jennifer Marcinkiewicz, Chemistry
U.S. Department of Education
Kent State University Upward Bound Math-Science Program
Susanna Fein, English
Subaward Eastern Illinois University /National Endowment for the Humanities
Chaucer's Canterbury Tales
10/01/13 - 09/30/14 $18,737

Lisa Goetsch, Trumbull Campus
Ohio Department of Public Safety
Motorcycle Ohio FY14 Training Grant
07/01/13 - 06/30/14 $108,541

Katherine Harmon, Academic Affairs
GAR Foundation
Blackstone LaunchPad
09/01/13 - 06/30/14 $15,000

David Hassler, Wick Poetry Program/English
Ohio Arts Council
Wick Poetry Center/Operating Support
07/01/13 - 06/30/14 $13,308

David Hassler, Wick Poetry Program/English
Ohio Arts Council
Wick Poetry Center/Traveling Stanzas
10/01/13 - 05/31/14 $10,000

David Hassler, Wick Poetry Program/English
National Endowment for the Arts
Giving Voice Project
09/01/13 - 02/28/14 $6,283

Eric Jefferis, Social and Behavioral Sciences
Subaward Ohio Criminal Justice Services /U.S. Department of Justice
PSN 2011 PSN NOVCC
09/01/13 - 02/28/14 $3,400

Lori Lee, Ashtabula Campus
Subaward Missouri State University /National Science Foundation
VESTA National Center of Excellence
Continuation 07/01/13 - 06/30/14 $55,934

Amy Lower, Ashtabula Campus
Ohio Board of Nursing
Using High Fidelity Patient Simulators in ADN Nursing Education to Increase Retention and Enrollment
09/01/13 - 08/31/15 $159,580

Roy Messing, Political Science
Steel Valley Authority
Pittsburgh Clean & Green Laundry Business Implementation Plan
01/01/13 - 12/31/13 $37,000

Mike Morelli, Tuscarawas Campus
Ohio Arts Council
Kent State Univ/Performing Arts Center Tuscarawas
07/01/13 - 06/30/14 $1,988

Mike Morelli, Tuscarawas Campus
Subaward Arts Midwest /National Endowment for the Arts
Smithsonian Jazz Masterworks Orchestra
02/07/14 - 02/07/14 $3,400

Linda Ohrn-McDaniel, Fashion Design and Merchandising
Noel Palomo-Lovinski, Fashion Design and Merchandising
Cotton Incorporated
Cotton Knit Design Possibilities
01/01/13 - 12/31/13 $18,800
Victor Pavona, Stark Campus  
Subaward Stark County Regional Planning Commission /U.S. Department of Housing and Urban Development  
_CDBG FY13 Kent Stark Micro Enterprise Development Program_

Marty Ropog, Ohio Literacy Resource Center/Teaching, Learning and Curriculum Studies  
Subaward Ohio Board of Regents /U.S. Department of Education  
2014 _ABLE Professional Development Network_

Marty Ropog, Ohio Literacy Resource Center/Teaching, Learning and Curriculum Studies  
U.S. Department of Education  
_Literacy Information and Communication System Regional Professional Development Centers_

Marty Ropog, Ohio Literacy Resource Center/Teaching, Learning and Curriculum Studies  
Dominion East Ohio Foundation  
_Kent State's GED Program - Bridging the Path to Higher Education_

Lynne Rowan, Health Sciences  
Susan Grogan-Johnson, Health Sciences  
Montpelier Exempted Village Schools  
_Telepractice - Montpelier, year 3_

Lynne Rowan, Health Sciences  
Susan Grogan-Johnson, Health Sciences  
Greenfield Village Exempted Schools  
_Telepractice - Greenfield, Year 3_

Jennie Royer, Trumbull Campus  
Wanda Thomas, Regional Campuses  
Subaward University of Akron /Ohio Department of Education  
FY14 _Tech Prep Pathway Development_

Paul Sampson, Chemistry  
Fiscal agent is Wright State University /Ohio Board of Regents  
_OBR Ohio ATnet Memorandum of Understanding for Paul Sampson - FY14_

H. Anderson Turner, Art  
Ohio Arts Council  
_Operating Support/School of Art Gallery_

**COMPARATIVE DATA**

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<th>Fiscal Year to Date</th>
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