## FY 2016

### DOLLARS AWARDED BY SOURCE

<table>
<thead>
<tr>
<th>Source</th>
<th>THIS REPORT</th>
<th>CUMULATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Government</td>
<td>1,163,176</td>
<td>8,665,573</td>
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<tr>
<td>State of Illinois</td>
<td>1,511,575</td>
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<tr>
<td>Corporate</td>
<td>281,521</td>
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</tr>
<tr>
<td>Public/Not for Profit</td>
<td>146,181</td>
<td>795,491</td>
</tr>
<tr>
<td>Foreign</td>
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<td>42,367</td>
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<tr>
<td>Total</td>
<td>3,134,306</td>
<td>17,238,542</td>
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### DOLLARS AWARDED BY PURPOSE

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<tr>
<th>Purpose</th>
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<tbody>
<tr>
<td>Instruction</td>
<td>144,226</td>
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<td>Research</td>
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<td>Public Service</td>
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<tr>
<td>Other Sponsored Activities*</td>
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<tr>
<td>Total</td>
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<td>17,238,542</td>
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### DOLLARS AWARDED BY COLLEGE

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<tr>
<th>College</th>
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<tr>
<td>College of Business</td>
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<tr>
<td>College of Education</td>
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<td>College of Health and Human Sciences</td>
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<td>College of Visual and Performing Arts</td>
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<td>Outreach, Engagement, and Information Technologies</td>
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<td>Other Academic Units</td>
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<td>Other University Units</td>
<td>19,027</td>
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<td>Total</td>
<td>3,134,306</td>
<td>17,238,542</td>
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</table>

ACCOUNTANCY

U.S. Army Medical Department for "United States Army Medical Command (USAMEDCOM)IPA." Tim West.
Award: $4,933.00. (Cumulative $341,806.00).
February 1, 2016 - May 15, 2016. (Organized Research) IPA or Joint Appointment.

The purpose of this project is to support Professor West's research efforts in the area of performance-based budgeting acceptance, usage and performance effects across the USAMEDCOM.

BIOLOGICAL SCIENCES

Friends of Nachusa Grasslands for "Community assembly of dung beetles in tallgrass prairie restoration." Nicholas Barber.
Award: $500.00.
April 1, 2016 - October 31, 2016. (Organized Research) Basic Research.

To determine if the abundance and diversity of dung beetles differs in the presence of grazing bison.

Friends of Nachusa Grasslands for "Nachusa Friends Grant 2016 Chantos." Karley Chantos/Wesley Swingley.
Award: $1,500.00.
May 1, 2016 - October 1, 2016. (Organized Research) Basic Research.

This work will characterize the geochemical and microbial changes mediated by the reintroduction of the native grazer, bison, to the prairie restoration efforts at The Nachusa Grasslands.

Addgene for "Material Transfer Agreement (Order 247766)." Sherine Elsawa.
Award: $0.00.

This agreement is for the transfer of materials into NIU to further research activities in Dr. Elsawa's lab.

Lake County Forest Preserve District for "Ecological Assessment of District Lands." Richard B. King/Holly Keltner/Nicholas Barber.
Award: $2,000.00. (Cumulative $42,663.00).

The purpose of the project is to provide field data collection and reporting and assessment of the presence of fauna species in multiple forest preserves throughout Lake County.

CENTER FOR CHILD WELFARE AND EDUCATION

Illinois Department of Children and Family Services for "FY16 Northern Region Permanency Enhancement Project." Angela Baron-Jeffrey.
Award: $5,000.00. (Cumulative $50,000.00).
July 1, 2015 - June 30, 2016. (Other Sponsored Activities) Public Service.

The purpose of this project is to guide the development and implementation of action plans to improve permanency outcomes and reduce the disproportionate representation of African American children among families served.

Illinois Department of Children and Family Services for "FY 16 Educational Access Project."
Angela Baron-Jeffrey.
Award: $1,165,155.00.
July 1, 2015 - June 30, 2016. (Other Sponsored Activities) Public Service.

The purpose of this project is to promote academic success for every child who is a ward of the Illinois Department of Children and Family Services and children who have been adopted or are in subsidized citizenship.

CENTER FOR SOUTHEAST ASIAN STUDIES

Department of State for "FY2014 Southeast Asia Youth Leadership Program: Nurturing a New Generation of Citizen Activists and Community Leaders in ASEAN."
Judy L. Ledgerwood/Maria Nihei.
Award: $482,500.00. (Cumulative $1,462,500.00).
January 1, 2016 - December 31, 2016. (Other Sponsored Activities) Public Service.

The goal of this project is to plan and conduct an exchange program that brings 60 youth and adult participants from Southeast Asia to NIU.

CHEMISTRY AND BIOCHEMISTRY

FONA International Inc. for "Design and synthesis of novel derivatives of (-)-menthol."
Douglas A. Kluemp.
Award: $49,143.00.

The work will involve the preparation of derivatives of (-)-menthol -substances specifically designed to slowly cleave or hydrolyze in saliva or aqueous solutions to release (-)-menthol and other components.

COLLEGE OF ENGINEERING & ENGINEERING TECH, DEAN'S OFFICE

LaSalle County Regional Office of Education for "Integrated Professional Development Using Next Generation Science Exemplar."
Mansour Tahernezhadi/Jon S. Miller.
Award: $27,937.00. (Cumulative $55,874.00).
October 1, 2015 - September 30, 2016. (Instructional Programs) Instructional Programs.

Funds are requested to provide 80 hours of professional development training using Next Generation Science Exemplar (NGSX) during summer months of 2015 for teachers in ROE 35's school districts.
COMPUTER SCIENCE

Health Shared Services BC for "Software usability assessment and improvement." Philippe Giabbanelli.
Award: $31,853.00.

The goal of this project is to ensure that software developed previously can effectively be used to support policymakers to understand and act on the relationship between obesity and mental and physical well-being.

University of Chicago for "MRI: Development of an Urban-Scale Instrument for Interdisciplinary Research (Array of Things [AoT])." Michael Papka.
Award: $20,467.00.

The NIU team will collaborate with the team at the University of Chicago to develop policies and protocols for deployment of hardware and software and to test and deploy experiments within the NIU testbed as part of the larger Chicago deployment.

FAMILY, CONSUMER AND NUTRITION SCIENCES

Award: $2,142.00. (Cumulative $29,948.00).

Four graduate students will, under the supervision of NIU faculty, offer nutrition education, needs assessment, and grant writing assistance to the Northern Illinois Food Bank.

GEOLOGY AND ENVIRONMENTAL GEOSCIENCES

Award: $5,000.00.

The goal of this project is to educate and train Myanmar students, faculty and professionals on groundwater development, well construction, well head protection and groundwater quality and sampling.

Award: $18,014.00.
February 1, 2016 - February 28, 2017. (Organized Research) Basic Research.

To advancing scientific understanding of Earth by sampling, instrumenting and monitoring subseafloor environments using specialized ocean drilling platforms staffed by multidisciplinary
research scientists.

INDUSTRIAL AND SYSTEMS ENGINEERING


The overall objective of this project initiative is to conduct time studies, balance the line, reduce process inefficiencies, and improve safety for wheel loader assembly lines in the consolidated Buildings B,G, and H at Caterpillar.


The primary objective for this project is to aid the company to develop a quality management system with an ultimate goal of getting the ISO 13485 certification.


This project aims to help quality inspectors responsible for welding, QCI, and PDI departments at Caterpillar, Inc. so that each inspector has an accurate inspection checklist, to enhance inter-inspector reliability.


The goal of project is to observe cabinet assembly area and implement lean principles to eliminate waste and improve the throughput at Quality Fabricators, Inc.

KINESIOLOGY AND PHYSICAL EDUCATION


The purpose of the project is to explore the phenomenon of organizational-professional conflict (OPC) in various athletic training practice settings and identify the factors that contribute to its occurrence.
LA&S EXTERNAL PROGRAMMING

DeKalb County Community Foundation for "NIU Lifelong Learning Institute A/V Purchase." Mark Pietrowski.
Award: $4,500.00.
November 16, 2015 - November 15, 2016. (Other Sponsored Activities) Public Service.
Funds will be used to purchase audio-visual equipment for the NIU Lifelong Learning Institute.

MECHANICAL ENGINEERING

Fermi National Accelerator Laboratory for "Engineering Design Support for Muon g-2 Tracker." Nicholas Pohlman.
Award: $17,640.00.
Funds will be used to mentor the undergraduate and graduate design students while building a new experiment to improve the accuracy of measuring the magnetic moment of the muon particle, referred to as the g-2 state.

NURSING AND HEALTH STUDIES

Illinois State Board of Education for "Youth Risk Behavior Survey-ISBE IGA." Keddie, Arlene.
Award: $19,282.00.
January 16, 2016 - June 30, 2016. (Other Sponsored Activities) Public Service.
Funds will be used to undertake work that is designed to make the Youth Risk Behavior Survey and Profiles more user-friendly and easier to disseminate.

OFFICE OF EDUCATION SYSTEM INNOVATION

Illinois State Board of Education for "Early Childhood Development (Governor’s Office of) for RTTT Early Learning Challenge." Jonathan Furr.
Award: $38,767.00. (Cumulative $756,531.00).
Facilitation and support of Data and Outcomes management, Licensing and QRIS Integration policy.

OUTREACH, ENGAGEMENT, AND REGIONAL DEVELOPMENT, VP

DeKalb County Community Foundation for "NIU STEM Read's Exploration of Louis Sachar's Fuzzy Mud." Gillian King-Cargile.
Award: $3,000.00.
November 3, 2015 - November 2, 2016. (Other Sponsored Activities) Public Service.
The intended purpose of the grant is to fund STEM Read activities around the book Fuzzy Mud by Louis Sachar.
Award: $188,160.00.

Funds are requested to perform studies in pursuit of storage ring arrangements and parameter sets suitable for use in EDM measurements, including comparisons and verification of results from a present-day EDM measurement of the muon system.

Fermi National Accelerator Laboratory for "Joint Appointment FNAL/NIU under CRADA." Michael Syphers.
Award: $117,150.00.
September 16, 2015 - September 15, 2016. (Other Sponsored Activities) IPA or Joint Appointment.

Funds are being used, per the CRADA between NIU and FNAL, to support 49% of the PI's 11-month calendar salary as a joint faculty appointee of the Department of Physics and the Fermi National Accelerator Laboratory.

Fermi National Accelerator Laboratory for "Support for Andrew Green." Young-Min Shin/Andrew T. Green.
Award: $4,000.00. (Cumulative $10,426.00).

Funds are used to support Graduate Assistant Andrew Green at Fermi National Accelerator Laboratory.

Fermi National Accelerator Laboratory for "Development of the MU2E Preliminary Design." David R. Hedin/Nicholas Pohlman/Vishnu V. Zutshi.
Award: $49,905.00. (Cumulative $384,159.00).

The purpose of this project is to support NIU's role in developing the Muon Beamstop, SiPM Characterization, and design of the Upstream Extinction Monitor.

Fermi National Accelerator Laboratory for "Formation, Manipulations and Applications of Flat and Magnetized Beams at the FAST Facility." Aliaksei Halavanau/Philippe R. Piot.
Award: $28,275.00. (Cumulative $39,413.00).

The funds are used to support PhD Student Aliaksei Halavanau's work under the Joint University-Fermilab Doctoral Program in Accelerator Physics and Technology.

Award: $70,000.00. (Cumulative $325,000.00).
April 1, 2016 - March 31, 2017. (Organized Research) Basic Research.

The goal of this proposal is to discover physics beyond the standard model through the precision measurement of the properties of standard model particles.

Award: $53,834.00. (Cumulative $522,112.00).

Funds will be used for NIU's participation in the ATLAS Project through the simulation of a particle detector response.

University of Notre Dame for "The Quarknet Project." Dhiman Chakraborty.
Award: $12,840.00.

The purpose of this project is to involve high school teachers and their students in state-of-the-art research that seeks to resolve some of the mysteries about the structure of matter and the fundamental forces of nature.

Fermi National Accelerator Laboratory for "Development of the MU2E Preliminary Design." David R. Hedin/Nicholas Pohlman/Vishnu V. Zutshi.
Award: $29,212.00. (Cumulative $384,159.00).

The purpose of this project is to support NIU's role in developing the Muon Beamstop, SiPM Characterization, and design of the Upstream Extinction Monitor.

POLITICAL SCIENCE

Charles G. Koch Charitable Foundation for "Koch Foundation Dissertation Award." Katherine E. Paton/Andrea Radasaniu.
Award: $5,000.00.

The goal of the project is to test the hypothesis that the mores required to uphold democracy at its best are mostly nonexistent in modern liberal democracy.

Award: $5,000.00.

Examination of public, private and personal documents will be used to perform an assessment of decision-making from World War I to Iraq to determine if norms or power concerns are acting as the primary motivator in using unconventional weapons.
PSYCHOLOGY

Sheltered Village, Inc. for "Psychology Graduate Externship at Sheltered Village." Leslie Matuszewich/Holly K. Orcutt.
Award: $20,668.00. (Cumulative $103,340.00).
July 1, 2016 - June 30, 2017. (Instructional Programs) Instructional Programs.

Funds will be used to support a psychology graduate extern and clinical supervisor at Sheltered Village.

Award: $287,653.00. (Cumulative $2,876,534.00).
July 1, 2015 - June 30, 2016. (Other Sponsored Activities) Public Service.

Funds will be used to provide clinical screening and assessment services to children and adults served by Illinois DCFS in Fiscal Year 2016.

DeKalb County Court Services for "Psychology Externship at DeKalb County Court Services." Leslie Matuszewich/Alan Rosenbaum.
Award: $21,408.00. (Cumulative $107,040.00).
July 1, 2016 - June 30, 2017. (Instructional Programs) Instructional Programs.

Funds will be used to support a psychology graduate externship at DeKalb County Court Services

Award: $30,444.00. (Cumulative $152,220.00).
August 16, 2016 - May 31, 2017. (Instructional Programs) Instructional Programs.

The purpose of this project is to support a psychology graduate student externship with Joliet School District.

Kreider Services, Inc. for "Graduate Psychology Externship at Kreider Services." Leslie Matuszewich/Laura D. Pittman.
Award: $18,700.00. (Cumulative $130,680.00).
July 1, 2016 - June 30, 2017. (Instructional Programs) Instructional Programs.

Funds will be used to support a psychology department graduate extern and faculty supervisor at Kreider Services.

PUBLIC ADMINISTRATION

Village of Algonquin for "Internship (Kelsey Langler)." Denise Burchard.
Award: $13,800.00.
January 16, 2016 - December 31, 2016. (Instructional Programs) Instructional Programs.
The purpose of this project is to provide a valuable experiential learning opportunity to a graduate student in NIU's MPA program.

PUBLIC SAFETY

Award: $19,027.00.
October 1, 2015 - September 30, 2016. (Other Sponsored Activities) Public Service.

The major goal of the project is to conduct special enforcement for impaired driving during holidays.

STATISTICS

Award: $15,000.00.

The goal of this research is to establish a robust and systematic approach for modeling and pricing cyber risks in insurance.

UNIVERSITY LIBRARIES

Award: $11,269.00.
November 20, 2015 - November 19, 2016. (Instructional Programs) Instructional Programs.

This is a collaborative project to increase engagement between Myanmar and US academic libraries by providing advanced training for Myanmar academic librarians.