NORTHERN ILLINOIS UNIVERSITY
SPONSORED PROGRAMS ADMINISTRATION

SUMMARY OF GRANT/CONTRACT AWARDS – FISCAL YEAR 2015

April 1, 2015 – June 30, 2015

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>3,428,162</td>
<td>14,918,336</td>
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<tr>
<td>State of Illinois</td>
<td>88,730</td>
<td>9,227,597</td>
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<tr>
<td>Corporate</td>
<td>1,391,176</td>
<td>2,152,453</td>
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<tr>
<td>Public/Not for Profit</td>
<td>1,130,003</td>
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<tr>
<td>Foreign</td>
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<td>1,229,012</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>6,256,333</strong></td>
<td><strong>29,909,840</strong></td>
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DOLLARS AWARDED BY PURPOSE

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<tr>
<th>Category</th>
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<tr>
<td>Instruction</td>
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<td>Research</td>
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<td>Public Service</td>
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<td>Other Sponsored Activities*</td>
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<td>1,173,968</td>
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<td><strong>Total</strong></td>
<td><strong>6,256,333</strong></td>
<td><strong>29,909,840</strong></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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<td>1,239,582</td>
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<td>College of Education</td>
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<td>College of Health and Human Sciences</td>
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<td>Other Academic Units</td>
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<td>Other University Units</td>
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<td><strong>Total</strong></td>
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STUDENT FINANCIAL AID

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<tr>
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<tr>
<td>Student Financial Aid</td>
<td>31,704,376</td>
<td>31,704,376</td>
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ACCOUNTANCY

U.S. Army Medical Department for "United States Army Medical Command (USAMEDCOM)IPA." Tim West.
Award: $224,582.00. (Cumulative $336,873.00).

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

Award: $19,970.00. (Cumulative $196,258.00).

This project is an integrative approach to merging genetics, gene expression, broad-scale taxonomic comparisons, plant-level function and global-scale ecosystem function focusing on the evolutionary and geographic distribution of drought tolerance.

National Institutes of Health/DHHS for "Targeting the tumor microenvironment in B-cell malignancies." Sherine Elsawa.
Award: $73,500.00. (Cumulative $147,000.00).
April 1, 2015 - March 31, 2016. (Organized Research) Basic Research.

The goal of this proposal is to fill critical gaps in the existing knowledge of the regulation of TME in B-cell malignancies.

VentureWell for "Wastewater Treatment, Algae Productivity, and Biofuel." Gabriel P. Holbrook.
Award: $5,000.00.

This project will utilize a newly isolated microalga to improve municipal waste water treatment.

University of Nevada, Las Vegas for "Exploration of "Biological Dark Matter" in Geothermal Springs." Wesley Swingley.
Award: $72,365.00. (Cumulative $159,493.00).

The purpose of this project is to support bioinformatic efforts coordinating the analysis of the community metabolome and individual single-cell genomes.

CAREER SERVICES

Award: $38,580.00.
April 7, 2015 - June 30, 2016. (Other Sponsored Activities) Public Service.
The main goal of the project is to provide NIU students with career-related experience.

CENTER FOR SOUTHEAST ASIAN STUDIES

Department of State for "Leading and Organizing for Change in Southeast Asia." Judy L. Ledgerwood/Nancy M. Castle.
Award: $223,885.00.
June 22, 2015 - August 31, 2016. (Instructional Programs) Instructional Programs.

Participants from SE Asia will learn about civic engagement in the US through the study of US history through written resources, visits to historical sites, hands-on volunteering and civic activism, and interaction with inspiring civic leaders.

CHEMISTRY AND BIOCHEMISTRY

Award: $16,463.00. (Cumulative $31,742.00).

The purpose of this project is to prepare, characterize, and improve new materials for energy efficiency and environmental applications.

COLLEGE OF BUSINESS, DEAN'S OFFICE

Award: $25,000.00.

Award: $25,000.00.

Award: $25,000.00.

CIGNA for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.

Award: $25,000.00.

Callahan Mechanical Sales, Inc. for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.


Do It Best Corporation for "Experiential Learning Center Corporate Project." Joan Petros. Award: $10,000.00. July 1, 2014 - June 30, 2015. (Instructional Programs) Instructional Programs.

Knaack LLC for "Experiential Learning Center Corporate Project." Joan Petros. Award: $10,000.00.

Abbott Nutrition for "Experiential Learning Center Corporate Project." Joan Petros. Award: $10,000.00.

Prince Castle LLC for "Experiential Learning Center Corporate Project." Joan Petros. Award: $10,000.00.

McDonald's Corporation for "Experiential Learning Center Corporate Project." Joan Petros. Award: $10,000.00.

Insurance Auto Auctions, Inc. for "Experiential Learning Center Corporate Project." Petros, Joan. Award: $10,000.00.

Chicago Trading Company for "Executive MBA Contract Courses." Ann Carrel. Award: $25,000.00.

Rexam Beverage Can for "Executive MBA Contract Courses." Ann Carrel. Award: $25,000.00.

TCF Inventory Finance for "Executive MBA Contract Courses." Ann Carrel. Award: $25,000.00.

AGCO Corp. for "Executive MBA Contract Courses." Ann Carrel. Award: $25,000.00.

Bergstrom, Inc. for "Executive MBA Contract Courses." Ann Carrel. Award: $25,000.00.

Diversity Connected for "Executive MBA Contract Courses." Ann Carrel. Award: $25,000.00.

Engineering Plus, LLC for "Executive MBA Contract Courses." Ann Carrel. Award: $25,000.00.

Ipsen, Inc. for "Executive MBA Contract Courses." Ann Carrel. Award: $25,000.00.
Key Reversal Trading, Inc. for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.

Viskase Companies, Inc. for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.

Award: $25,000.00.

CVS Caremark for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.

PCI, Inc. for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.

Invigorate Corporation for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.

Award: $25,000.00.

ULTA, Inc. for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.

Navitus Health Solutions for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.

Award: $25,000.00.

Award: $25,000.00.

Ismile for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.

Award: $25,000.00.

Award: $25,000.00.

Danze, Inc. for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.

COLLEGE OF EDUCATION, DEAN'S OFFICE

Miaoli County Government Education Department, Taiwan for "Open Imagination Program."
Terry E. Borg.
Award: $47,075.00.

Award: $17,000.00.

Award: $406,500.00.

Award: $117,000.00.

College of Lake County for "Contract Courses." La Vonne Neal.
Award: $102,000.00.

School District # 31, West Northfield for "Contract Courses." La Vonne Neal.
Award: $58,500.00.

NUTN Affiliated Elementary School of Tainan, Taiwan for "Summer 2014 Youth American Experience Camp." Terry E. Borg.
Award: $86,200.00.

COLLEGE OF ENGINEERING & ENGINEERING TECH, DEAN'S OFFICE

Navistar Inc. for "Contract Courses." Mansour Tahernezhadi.
Award: $100,000.00.

Funds are used for NIU to organize, participate and report on the results of sheet metal forming research and development roadmap meetings.

COLLEGE OF HEALTH AND HUMAN SCIENCES, DEAN'S OFFICE


NIU will work with Northwestern to conduct interventions in 35 small medical practices in northern Illinois designed to improve the use of health information technology in order to improve practice quality and enhance patient-centered approaches to care.

COMPUTER SCIENCE


The purpose of this project is to support the Advanced Integration Group in the Argonne Leadership Computing Facility in the area of Planar 4K display.


The purpose of this project is to provide support to ANL's Advanced Integration Group through contributions to cobalt scheduling, port operational assessment reporting, and MPI support.

EDUCATIONAL TECHNOLOGY, RESEARCH, AND ASSESSMENT


The purpose of the project is to develop an online teaching and development training program for educators and professional staff at Jubail Colleges & Institutes Sector (JCIS) of Saudi Arabia.
ELECTRICAL ENGINEERING

Voxtel, Inc. for "Development of Thick Silicon Photodiodes." Michael J. Haji-Sheikh. 
Award: $34,707.00. 

The objective of this service project is to produce five wafers of Photodiodes using established processes for Voxtel, Inc.

EXECUTIVE VICE PRESIDENT AND PROVOST

Illinois Board of Higher Education for "Northern Illinois Regional P-20 Network." Laurie A. Elish-Piper/Jenny Parker. 
Award: $80,000.00. 

The goal of the project is a collaboration between NIU, regional community colleges, and high schools within those districts to discuss alignment of college readiness skills.

FAMILY, CONSUMER AND NUTRITION SCIENCES

Award: $48,000.00. 

This project enhances articulation between the regional community colleges and NIU in early childhood education, with the goal of improving the credentials and training of the regional workforce in this field.

Award: $2,150.00. 

GEOGRAPHY

Award: $26,452.00. (Cumulative $88,744.00). 

The purpose of this project is to create various GIS maps for the Village of Carol Stream.

Award: $20,000.00. 

The goal of this project is to enhance research methods related to understanding the factors
affecting crop yield, and to improve the way in which results of such research are communicated to growers and sponsors' clients.


Funds will be used to provide an independent estimate of the minimum volume of sediments that would have been eroded and the minimum volume of water required to form the observed VN on a global scale.

GEOLOGY AND ENVIRONMENTAL GEOSCIENCES


This project will assess the effectiveness of different geophysical methods to detect karst features in bedrock.


To produce reconstructions of past precipitation amounts across the dry coordinator of Central America to serve as predictive tools for future forecasting by exploring the associations between ocean-atmosphere dynamics and rainfall over the region.

INDUSTRIAL AND SYSTEMS ENGINEERING


The purpose of this project is to model different areas related to one of CAT's Aurora facilities in order to identify different factors affecting total cycle time and work-in-process inventory.

Funds are requested to analyze the data collected from the Randomized Controlled Trial of Whole Body Vibration Intervention in Truck Drivers.

Caterpillar, Inc. for "Senior Design Project - Consolidation of MWL Engine Sub-Assembly Line." Purushothaman Damodaran.
Award: $6,000.00.

Award: $6,000.00.

Caterpillar, Inc. for "Senior Design Project - Large Wheel Loader Engine Sub-Assembly Relocation & Design." Purushothaman Damodaran.
Award: $6,000.00.

Award: $7,000.00.

Aurora Metals Division, LLC for "Senior Design Projects - Aurora Metals Core Room Optimization." Purushothaman Damodaran.
Award: $6,000.00.

Award: $6,000.00.

Six-Sigma for "Six Sigma Workshops." Purushothaman Damodaran.
Award: $69,000.00.

Award: $6,000.00.

Award: $6,000.00.

Quality Fabricators, Inc. for "Lean Implementation for Cabinet Assembly at Quality
Fabricators." Purushothaman Damodaran.  
Award: $23,989.00.  
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.

INTERNATIONAL STUDENT AND FACULTY OFFICE

Award: $62,706.00.  
This program brings 60 incoming Fulbright student scholars to NIU for a week-long orientation to the Fulbright Program and to U.S. higher education.

MATHEMATICAL SCIENCES

Simons Foundation for "Dynamics and Geometry in the Quasi-world." Alastair Fletcher.  
Award: $7,000.00.  
September 1, 2015 - August 31, 2016. (Organized Research) Basic Research.  
This project aims to build on existing collaborations and forge new ones in areas of the PI's expertise relating to quasiconformal mappings including, in particular, Teichmueller theory and the iteration theory of quasiregular mappings.

MECHANICAL ENGINEERING

Award: $35,000.00.  
The purpose of this project is to provide testing services to GM related to titanium sheet properties.

Namiki Precision Jewel Co., Ltd. for "Testing Project for Namiki Precision." Federico Sciammarella.  
Award: $2,750.00. (Cumulative $5,500.00).  
This project will demonstrate LAM effectiveness and basic characteristics (Silicon nitride).

NORTHERN PUBLIC RADIO

Award: $12,575.00.  
Funds are being used to support high quality public radio programming.
Award: $12,575.00.
Funds are being used to support high quality public radio programming.

NURSING AND HEALTH STUDIES

Award: $198,494.00.
The project will identify unique risk factors for poor mental health among bisexual women and provide data necessary to inform future intervention and prevention efforts among this population of women.

Award: $17,839.00.
This project is submitted as part of the Rehabilitation Institute of Chicago's grant proposal "Developing Optimal Strategies in Exercise and Survival Skills to Increase Health and Function" submitted to NIDDR.

Award: $4,000.00.
This project evaluates the experience of and impact that an advanced continuing education course has on nurses' psychiatric nursing practice.

PHILOSOPHY

Award: $22,237.00.
This project funds dedicated work devoted to the human nature and moral agency questions that arise over the recent scholarly debates in neuropsychology. The result will be four scholarly papers on these questions.

PHYSICS

Argonne National Laboratory for "Support for a Visiting Professor Gordey Lesovik in NIU's
Physics Department." Andreas Glatz.
Award: $19,780.00.

The funds requested will facilitate the creation of the theoretical platform for an efficient Cooper pair splitter.

National Science Foundation for "Unconventional Electrodynamics in Unconventional Solids." Roland Winkler.
Award: $71,380.00. (Cumulative $202,415.00).

This project is to investigate the electrodynamics of unconventional charge carriers to provide important new insights into how electric charges, pseudospins, and spins as well as their respective currents may interact with electromagnetic fields.

Award: $130,000.00. (Cumulative $390,000.00).

This project deals with the theoretical interpretation of time-dependent X-ray experiments of nonequilibrium dynamics. The research involves a postdoctoral researcher who will address these problems with high-performance computation.

Award: $50,000.00.

NIU will evaluate and develop concepts for Phase II including the detector system and CCD camera, and collaborate with FAR-TECH on the particle beam tracking studies and develop the system layout and space requirements for a facility to be built at NIU.

Award: $7,135.00.

The funds of the project will be used to support graduate student Saroj Rai during the summer 2015 semester.

Department of Energy for "Searching for Physics beyond the Standard Model at the Intensity Frontier." Michael Eads/Nicholas Pohlman.
Award: $137,000.00. (Cumulative $255,000.00).
April 1, 2015 - March 31, 2016. (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.

The purpose of this project is to study the effects of local lattice distortions and short-range correlations on the unusual physical properties of novel materials, such as iron based superconductors and relaxor ferroelectrics.


The main goal of the proposed research is to finalize the design of a proof-of-principle experiment on optical stochastic cooling to be carried at a compact storage ring in construction at Fermilab.

PRECOLLEGIATE PROGRAMS


Funds will be used to identify, select, and provide academic support to 117 low-income, potential first generation college students who lack the adequate preparation to successfully pursue a postsecondary education.

PSYCHOLOGY


Funds will be used to support a Psychology graduate student externship placement at Susan Myket & Associates.


Funds will be used to support a graduate psychology externship at Genoa-Kingston School District.

Kreider Services, Inc. for "Graduate Psychology Externship at Kreider Services." Leslie Matuszewich/Laura D. Pittman. Award: $18,700.00. (Cumulative $111,980.00). July 1, 2015 - June 30, 2016. (Instructional Programs) Instructional Programs.
Funds will be used to support a psychology department graduate extern and faculty supervisor at Kreider Services.


Funds will be used to support a Psychology graduate student externship placement at Susan Myket & Associates.


This project supports a graduate psychology student externship at the DeKalb Community Unit School District 428.


This project supports a graduate psychology student externship at the Valley View School District #365U, Romeoville.


Funding will support the PI's time for methodological consultation on trauma and stress measures and project design, and clinical consultation on the development of an adapted mindfulness-based stress reduction program for 911 telecommunicators.


This project proposes to develop and test a model that specifies the literacy and self-regulation (e.g., motivation and metacognition) skills and processes necessary to become a proficient academic reader in a sample of development education students.

PUBLIC ADMINISTRATION

City of Yorkville for "City of Yorkville Internship." Denise Burchard. Award: $27,300.00.

The purpose of this project is to provide a valuable experiential learning opportunity to an NIU graduate student, who will work with the Yorkville City Administrator on administrative projects.

Award: $12,000.00. (Cumulative $27,400.00).
July 1, 2016 - June 30, 2016. (Instructional Programs) Instructional Programs.

The purpose of this project is to provide a valuable experiential learning opportunity to an NIU graduate student, who will work with TDS staff on administrative projects.

Village of Western Springs for "Internship Support." Denise Burchard.
Award: $5,535.00.

The purpose of this project is to provide a valuable experiential learning opportunity to an NIU graduate student who will assist the Village of Western Springs in all aspects of public administration.

Center for the Study of Federalism for "Federalism, Borders, and Local Networks for Great Lakes Water Protection." Eric Zeemering.
Award: $12,668.00.

The proposed research will examine several internationally designated Areas of Concern (AOC) within the Great Lakes water system in order to clarify the importance of federalism for the local implementation of Great Lakes water protection initiatives.

REGIONAL DEVELOPMENT INSTITUTE

Award: $146,217.00.
July 1, 2014 - June 30, 2015. (Other Sponsored Activities) Other.

iFiber for "Sales and Service Agreement." Lisa Kaye Bergeron.
Award: $68,000.00.
July 1, 2014 - June 30, 2015. (Other Sponsored Activities) Other.

RESEARCH, EVALUATION AND POLICY STUDIES

School District # 33, West Chicago for "21st CCLC FY2015 West Chicago SD33." Brent E. Wholeben/Ximena D. Burgin.
Award: $31,500.00.

The purpose of this project is to provide evaluation services to measure the impact of the intervention on parents, students, and community members participating in services/activities
SOCIOMETRY

Kane County Court Services for "Juvenile Drug Court Evaluation." John King/Carol M. Walther. Award: $5,000.00.

Funds will support an evaluation of juvenile drug court services to determine outcomes and the specific factors leading to those outcomes.