NORTHERN ILLINOIS UNIVERSITY  
SPONSORED PROGRAMS ADMINISTRATION  

SUMMARY OF GRANT/CONTRACT AWARDS – FISCAL YEAR 2017  

October 1, 2016 – December 31, 2016

<table>
<thead>
<tr>
<th></th>
<th>THIS REPORT</th>
<th>FY 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOLLARS AWARDED BY SOURCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Government</td>
<td>863,541</td>
<td>6,677,351</td>
</tr>
<tr>
<td>State of Illinois</td>
<td>1,259,955</td>
<td>7,780,996</td>
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<tr>
<td>Corporate</td>
<td>10,000</td>
<td>183,043</td>
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<tr>
<td>Public/Not for Profit</td>
<td>123,452</td>
<td>398,168</td>
</tr>
<tr>
<td>Foreign</td>
<td>164,809</td>
<td>256,119</td>
</tr>
<tr>
<td>Total</td>
<td>2,421,757</td>
<td>15,295,677</td>
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<table>
<thead>
<tr>
<th>DOLLARS AWARDED BY PURPOSE</th>
<th>THIS REPORT</th>
<th>FY 2017</th>
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<tbody>
<tr>
<td>Instruction</td>
<td>41,466</td>
<td>1,080,988</td>
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<tr>
<td>Research</td>
<td>876,400</td>
<td>5,372,462</td>
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<tr>
<td>Public Service</td>
<td>1,259,955</td>
<td>8,451,340</td>
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<tr>
<td>Other Sponsored Activities*</td>
<td>243,936</td>
<td>390,887</td>
</tr>
<tr>
<td>Total</td>
<td>2,421,757</td>
<td>15,295,677</td>
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<table>
<thead>
<tr>
<th>DOLLARS AWARDED BY COLLEGE</th>
<th>THIS REPORT</th>
<th>FY 2017</th>
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<tbody>
<tr>
<td>College of Business</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>College of Education</td>
<td>0</td>
<td>462,000</td>
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<tr>
<td>College of Engineering and Engineering Technology</td>
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<td>College of Health and Human Sciences</td>
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<td>303,588</td>
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<td>College of Law</td>
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<tr>
<td>College of Liberal Arts and Sciences</td>
<td>1,014,478</td>
<td>11,011,942</td>
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<tr>
<td>College of Visual and Performing Arts</td>
<td>6,800</td>
<td>52,350</td>
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<tr>
<td>Outreach, Engagement, and Information Technologies</td>
<td>1,253,155</td>
<td>1,287,490</td>
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<tr>
<td>Other Academic Units</td>
<td>71,429</td>
<td>1,950,270</td>
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<tr>
<td>Other University Units</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Total</td>
<td>2,421,757</td>
<td>15,295,677</td>
</tr>
</tbody>
</table>

ADMINISTRATION & FINANCE

ELS Educational Services, Inc. for "Impact of ELS Education on Success in Undergraduate and Graduate School Development of the Design for a Long Term Validation Study." Dan House. Award: $10,000.00. (Cumulative $40,000.00). October 22, 2016 - October 21, 2017. (Organized Research) Applied Research.

The purpose of the project is to assemble data from NIU as an ELS host institution, which will then be analyzed across academic disciplines and student demographics by ELS.

ANTHROPOLOGY


This project will quantify the nutritional ecology of brown lemurs (Eulemur fulvus) as a follow-up to a previous study of the diademed sifaka (Propithecus diadema), and contrast the nutritional strategies and constraints of the two species.

ART MUSEUM


Funds will be used to support the Art Museum's 2015-16 season exhibitions and their related publication and educational program offerings.

CENTER FOR CHILD WELFARE AND EDUCATION


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.

Illinois Department of Children and Family Services for "FY17 Permanency Enhancement Project." Angela Baron-Jeffrey. Award: $50,000.00. July 1, 2016 - June 30, 2017. (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.
CHEMISTRY AND BIOCHEMISTRY

Award: $164,809.00.

To explore new synthetic in vacuo methodologies that have the potential for making significant progress in the development of valuable polymer precursors

Award: $13,511.00. (Cumulative $58,483.00).

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

COMPUTER SCIENCE

Award: $209,000.00.

NIU is collaborating with ProtonVDA (SBC and prime recipient), Loyola, and Northwestern Proton Center in a joint research to produce and test a fully functional prototype of a proton radiography system with all required clinical features.

DIVISION OF RESEARCH AND INNOVATION PARTNERSHIPS

Award: $30,966.00.
September 30, 2016 - October 30, 2019. (Instructional Programs) Instructional Programs.

Funds will be used to develop a training manual for NIU campus users and compliance staff to enhance security for NIU research instrumentation located on campus. Funds will also be used to provide in-person training to NIU first- responders.

EXECUTIVE VICE PRESIDENT AND PROVOST

Award: $40,463.00. (Cumulative $1,631,620.00).

The purpose of this project is to perform research services directed toward increasing the
productivity and global competitive advantage of regionally-based manufacturing and technology-related firms.

GEOLOGY AND ENVIRONMENTAL GEOSCIENCES

Temple University for "SL-CN: Understanding and Promoting Spatial Learning Processes in the Geosciences." Nicole LaDue.
Award: $7,942.00.

The goal of the project is to develop a network for research on education and cognitive psychology that will result in new designs for teaching tools and new insights into the working of the human mind-brain.

HISTORY

Award: $42,000.00.
September 1, 2016 - June 30, 2017. (Organized Research) Basic Research.

The funds are to support an academic year fellowship at the New-York Historical Society.

INDUSTRIAL AND SYSTEMS ENGINEERING

Northwestern University for "Improving Patient Flow at the Rehabilitation Institute of Chicago." Christine Nguyen.
Award: $31,134.00.

Northern Illinois University (NIU) will work with Northwestern University to research and develop policies for patient transport (including the scheduling of elevators and RIC staff and volunteers to assist with transportation).

MATHEMATICAL SCIENCES

Oregon Health and Science University for "Cryopreservation and Transplantation of Macaque Ovarian Cortical Tissue for Fertility Preservation." James Benson.
Award: $22,265.00.

The proposal focuses on the development of improved cryopreservation protocols for nonhuman primate (NHP) ovarian follicles.

MECHANICAL ENGINEERING

Fermi National Accelerator Laboratory for "Engineering Design Support for Muon g-2 Tracker." Nicholas Pohlman.
Award: $34,761.00. (Cumulative $62,596.00).
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.

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: $38,000.00. (Cumulative $794,531.00). 

Facilitation and support of Data and Outcomes management, Licensing and QRIS Integration policy.

PHYSICS

University of Notre Dame for "The Quarknet Project." Dhiman Chakraborty.
Award: $12,840.00. (Cumulative $25,680.00).

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 "Formation, Manipulations and Applications of Flat and Magnetized Beams at the FAST Facility." Aliaksei Halavanau/Philippe R. Piot.
Award: $40,132.00. (Cumulative $79,545.00). 

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

Fermi National Accelerator Laboratory for "Work in Support of Fermilab Precision Time Profile Monitor (PTPM)." David R. Hedin.
Award: $30,990.00.

Funds will be used in support of research and undergraduate students in support of the Fermilab Precision Time Profile Monitor (PTPM).

Fermi National Accelerator Laboratory for "Joint Appointment NIU/FNAL." Philippe R. Piot.
Award: $78,685.00. (Cumulative $511,844.00).
August 16, 2016 - August 15, 2017. (Other Sponsored Activities) IPA or Joint Appointment.

Funds are being used, per the NIU-Fermilab Memorandum of Understanding executed in December 2005, to support one-half of the PI's 9-month academic salary as a joint faculty appointee of the Department of Physics and Fermi National Accelerator Laboratory.
Fermi National Accelerator Laboratory for "Joint Appointment NIU/FNAL." Young-Min Shin. Award: $52,061.00. (Cumulative $317,490.00). May 16, 2016 - September 1, 2017. (Other Sponsored Activities) IPA or Joint Appointment.

Funds are being used, per the Memorandum of Understanding between NIU and FNAL, to support one-half of the PI's 9-month academic salary as a joint faculty appointee of the Department of Physics and the Fermi National Accelerator Laboratory.

Fermi National Accelerator Laboratory for "Joint Appointment FNAL/NIU under CRADA." Michael Syphers. Award: $113,190.00. (Cumulative $230,340.00). September 16, 2016 - September 15, 2017. (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.


Funds are requested to set up infrastructure for the evaluation, characterization and long-term performance of Silicon Photomultipliers (SiPMs) in a cryogenic environment, study SiPM parameters and performance in warm and cold conditions.

PUBLIC ADMINISTRATION


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.

STATISTICS


The purpose of this project is to perform a multivariate analysis of factors contributing to mortality in public pension plans.