### NORTHERN ILLINOIS UNIVERSITY
OFFICE OF SPONSORED PROJECTS

SUMMARY OF GRANT/CONTRACT AWARDS – FISCAL YEAR 2014

January 1, 2014 – March 31, 2014

<table>
<thead>
<tr>
<th></th>
<th>THIS REPORT</th>
<th>FY 2014 CUMULATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DOLLARS AWARDED BY SOURCE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Government</td>
<td>995,121</td>
<td>12,094,458</td>
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<tr>
<td>State of Illinois</td>
<td>4,578,389</td>
<td>14,489,132</td>
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<tr>
<td>Corporate</td>
<td>252,873</td>
<td>502,367</td>
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<tr>
<td>Public/Not for Profit</td>
<td>61,080</td>
<td>1,007,650</td>
</tr>
<tr>
<td>Foreign</td>
<td>0</td>
<td>135,000</td>
</tr>
<tr>
<td>Total</td>
<td>5,887,463</td>
<td>28,228,607</td>
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</tbody>
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| **DOLLARS AWARDED BY PURPOSE** |             |                    |
| Instruction                | 1,445,675   | 3,015,682          |
| Research                   | 1,128,870   | 6,364,411          |
| Public Service             | 3,257,918   | 18,414,584         |
| Other                      | 55,000      | 433,860            |
| Academic Support           | 0           | 0                  |
| Student Services           | 0           | 0                  |
| Total                      | 5,887,463   | 28,228,607         |

| **DOLLARS AWARDED BY COLLEGE** |             |                    |
| College of Business        | 0           | 10,000             |
| College of Education       | 12,200      | 1,247,156          |
| College of Engineering and Engineering Technology | 344,529 | 2,144,427 |
| College of Health and Human Sciences | 28,469 | 122,059 |
| College of Law             | 0           | 0                  |
| College of Liberal Arts and Sciences | 4,069,939 | 9,474,884 |
| College of Visual and Performing Arts | 0 | 69,400 |
| Outreach, Engagement, and Information Technologies | 1,353,726 | 12,660,060 |
| Other Academic Units       | 78,600      | 2,500,551          |
| Other University Units     | 0           | 0                  |
| Total                      | 5,887,463   | 28,228,607         |
ANTHROPOLOGY


This project is a series of public forums featuring international leaders in development, reconstruction, humanitarian aid, art, human rights, public health, and performance. In conjunction with an Anthropology Museum exhibit, the forums will reflect on Haiti's current situation, lessons learned in the relief effort, and the future.


The goal of this project is to conduct a workshop to train Bolivian biology students in research and conservation methods used with South American primates.

BIOLOGICAL SCIENCES


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

CAMPUS CHILD CARE


This shaded climbing structure allows for safe and high-quality outdoor curricula and play times at the NIU Campus Child Care facility.

CENTER FOR SOUTHEAST ASIAN STUDIES

Funds will continue to be used to support the Center for Southeast Asian Studies.

CHEMISTRY AND BIOCHEMISTRY


Funds are being used to analyze and develop VHH antibody constructs for use in biomedical assays of lipoproteins.


The purpose of this project is to study single domain antibodies as a vehicle for understanding the role of linked equilibria in biomolecular systems, with a view toward helping to improve the general understanding and teaching of molecular regulation in biology.

COLLEGE OF LIBERAL ARTS AND SCIENCES, DEAN'S OFFICE


The major goal of the project is to collect and process data for the Illinois Behavioral Risk Factor Surveillance System in service to the Illinois Department of Public Health.

ENGINEERING TECHNOLOGY


The purpose of this project is to provide EHSS analyses and instruction to employees at small companies in the metropolitan Chicago area.


The purpose of this project is to create an innovative, affordable, and effective online six-sigma training system for small and mid-sized manufacturing firms in Illinois.
Award: $9,997.00. 
October 1, 2013 - September 30, 2014. (Instructional Programs) Instructional Programs. 

The purpose of this project is to help small and medium sized companies to identify and implement ways to reduce their energy use, boost their productivity, and achieve measurable energy savings.

Moore Glass for "Indoo." Theodore J. Hogan. 
Award: $1,250.00. 

The purpose of this project is to investigate the environmental factors at the Moore Glass facility and to identify those that may be sensitizers.

Award: $5,000.00. 

The purpose of this project is to assess the chemical safety of MbOCA in response to The Organization for Economic Development Cooperation and Development (OECD).

FAMILY, CONSUMER AND NUTRITION SCIENCES

ALCAT Worldwide for "Food Elimination Based on ALCAT Testing and the Effects on Body Inflammation and Body Composition." Judith M. Lukaszuk/Masih Shokrani. 
Award: $14,469.00. 

The purpose of this study is to determine the effect food elimination will have on body composition and on total body inflammatory markers based on ALCAT testing versus food elimination based on a PL.

Community Coordinated Child Care for "Shade Structure for the Toddler Playground." Emily Anne Reilly. 
Award: $4,000.00. 

To maintain a 4-star quality rating, the FCNS Child Development Lab will add a shaded structure for outdoor play.

GEOGRAPHY

National Science Foundation for "REU Site: Operation ETank: Moving Toward a Sustainable World." David Changnon/Lisa Freeman. 
Award: $102,573.00. (Cumulative $292,940.00). 
The purpose of this project is to support 6-8 undergraduate students per year to work with NIU faculty mentors on research projects related to energy, environment, ethics, and economic issues as they relate to climate change and a sustainable energy future.

GEOLOGY AND ENVIRONMENTAL GEOSCIENCES

Award: $8,858.00. (Cumulative $46,874.00).

This grant supports research generating continuous, centennial to millennial-scale records of mountain glaciation in Peru spanning the Holocene (~12 ka to present) that tests hypotheses concerning the causes of abrupt climate change in the tropics.

HISTORY

Award: $50,400.00.

The purpose of this project is to finish writing the remaining chapters of a book manuscript that examines the role and impact of emerging photographic technologies and distribution venues in constructing the humanitarian ethic.

INDUSTRIAL ENGINEERING

Award: $34,801.00.

The overall objective of this project initiative is to conduct time studies, balance the line, and reduce process inefficiencies for K-series wheel loader assembly lines.

Illinois Manufacturing Extension Center for "Training Module Development to Exploit the Synergy between Lean Manufacturing and Green Supply Chain Practices." Buyung Agusdinata.
Award: $19,406.00.

The purpose of this project is to design and develop training modules that will help companies to execute the synergies between lean and green practices.

Caterpillar, Inc. for "Aurora Bldg G 2014 PFEP Flow Analysis for Medium Wheel Loader
Material." Reinaldo Javier Moraga.  
Award: $92,900.00.  

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.

Award: $29,453.00.  

The purpose of this project is to implement a Pull System for post paint operations at Justrite Manufacturing Company.

KINESIOLOGY AND PHYSICAL EDUCATION

Sport Management Leadership Foundation for "Research Assistantship." Steven Howell.  
Award: $4,500.00.  

The purpose of this project is to provide a valuable hands-on professional experience to a Northern Illinois University graduate student.

LITERACY AND ELEMENTARY EDUCATION

International Reading Association for "Examining Multimodal Composition in Teacher Education." Donna E. Werderich/Michael Manderino.  
Award: $7,700.00.  

The major goal of the study is to examine pre-service teachers' development as writers and as teachers of writing.

MECHANICAL ENGINEERING

Award: $19,200.00. (Cumulative $37,900.00).  

A team of US (NSF-funded) and Finnish investigators are coming together to leverage their currently funded work in measurement of game-based learning to take on a radically different approaches to the measurement of STEM learning.

Award: $55,000.00.

The purpose of this project is to provide testing services for General Motors relating to the forming capabilities of various thin materials.

Hamilton Sundstrand Corporation for "Air Cooling in Rotating Annular Channel." Pradip Majumdar.
Award: $25,000.00. (Cumulative $151,500.00).

Evaluation of air cooling effectiveness in an annular rotating flow channel via testing and data analysis over a range of operating conditions. Final test report will be prepared.

MOTORCYCLE SAFETY

Illinois Department of Transportation for "2014 Motorcycle Safety Project." Scott Haas/Mary Strub.
Award: $1,345,926.00. 
December 1, 2013 - November 30, 2014. (Instructional Programs) Instructional Programs.

Funds will be used to conduct motorcycle safety classes.

NURSING AND HEALTH STUDIES

Illinois Board of Higher Education for "Nursing Fellowship at NIU." Karen Brandt.
Award: $10,000.00.

This fellowship would acknowledge and reward the exceptional service of Karen Brandt to the School of Nursing and its students.

PHILOSOPHY

Award: $15,000.00. (Cumulative $45,000.00).

The purpose of this project is to explore the brain sciences and bring recent empirical work on human psychology to bear on philosophical debates over our deeper natures.

PSYCHOLOGY

Society for the Teaching of Psychology for "Internship Supervision Resources for Developing Student Employability." Larissa K. Barber.
Award: $1,500.00.

The goal of the proposed project is to develop a resource for faculty who supervise psychology undergraduate internships, either as a course instructor or individual sponsor. This resource is intended to strengthen the quality of students' internship experiences, ultimately leading to enhanced career success.

National Science Foundation for "Do Implementation Intentions Facilitate Job Search Behaviors for the Unemployed?." Bradley G. Bond/Christopher J. Budnick/Alecia Santuzzi/Amanda M. Durik.
Award: $44,000.00.

The goal of this project is to examine the utility of implementation intentions in reducing job search distractions and increasing job search time among unemployed job seekers.

Award: $14,850.00.
October 1, 2013 - September 30, 2014. (Instructional Programs) Instructional Programs.

The purpose of this project is to support the integration of "Ready to Learn" elements into NIU educator preparation programs.

Award: $2,808,818.00.

Funds will be used to provide clinical screening and assessment services to children and adults served by Illinois DCFS in Fiscal Year 2014.

PUBLIC ADMINISTRATION

City of Janesville for "Administrative Intern (City of Janesville)." Denise Burchard.
Award: $6,380.00. (Cumulative $27,500.00).

The purpose of this project is to provide valuable internship training to an NIU graduate student, who will provide administrative and staff support to the programs pertaining to all areas of municipal management for the City of Janesville.

SURVEY RESEARCH TEAM

University of Minnesota for "Chicago Longitudinal Survey." Mindy Schneiderman.
Award: $7,800.00. (Cumulative $156,451.00).
The goal of the project is to conduct follow up interviews as part of a University of Minnesota project.

VICE PROVOST OFFICE


This grant funds supplies needed for the second annual Martin Luther King Week of Service.


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