

NORTHERN ILLINOIS UNIVERSITY
OFFICE OF SPONSORED PROJECTS

SUMMARY OF GRANT/CONTRACT AWARDS – FISCAL YEAR 2009

January 1, 2009 – March 31, 2009

	<u>THIS REPORT</u>	<u>FY 2009 CUMULATIVE</u>
<u>DOLLARS AWARDED BY SOURCE</u>		
Federal Government	2,330,528	17,720,939
State of Illinois	2,143,568	7,216,817
Corporate	30,519	244,583
Public/Not for Profit	506,937	2,921,111
Foundation	90,000	217,320
Foreign	0	148,246
 Total	 5,101,552	 28,469,016
<u>DOLLARS AWARDED BY PURPOSE</u>		
Instruction	300,000	1,154,753
Research	2,011,248	13,851,589
Public Service	2,776,714	9,402,855
Other	0	2,659,769
Academic Support	13,590	460,840
Student Services	0	939,210
 Total	 5,101,552	 28,469,016
<u>DOLLARS AWARDED BY COLLEGE</u>		
College of Business	0	0
College of Education	75,152	3,279,851
College of Engineering and Engineering Technology	127,560	5,037,467
College of Health and Human Sciences	687,234	752,308
College of Law	0	0
College of Liberal Arts and Sciences	4,070,874	8,128,543
College of Visual and Performing Arts	0	42,145
Other Academic Units	0	3,556,554
Other University Units	140,732	7,672,148
 Total	 5,101,552	 28,469,016

ANTHROPOLOGY

Heritage Preservation for "ReCAP." Ann Wright-Parsons.

Award: \$3,590.00.

January 15, 2009-January 14, 2010. Academic Support.

Funds are being used for an assessment of the Anthropology Museum's collections and facilities.

BIOLOGICAL SCIENCES

National Science Foundation for "Collaborative Research: Assembling the Tree of Life - An Integrative Approach to Investigating Cnidarian Phylogeny." Neil Blackstone.

Award: \$5,046.00 (Cumulative Award: \$104,623.00).

October 1, 2005-September 30, 2010. Research.

Funds are being used to investigate evolutionary relationships in the phylum Cnidaria, one of the earliest diverging animal groups found on earth, in order to resolve key issues such as the monophyly of major cnidarian groups, the relationships among cnidarian lineages, and the origins and evolutionary histories of coloniality, polymorphism, medusae, and the acquisition of zooxanthellae.

National Institute of Allergy and Infectious Diseases/NIH/DHHS for "Study of the mechanism of action of VeA, a novel fungal-specific global regulator that controls secondary metabolism."

Ana Calvo.

Award: \$210,440.00.

February 1, 2009-January 31, 2011. Research.

Funds are being used to study a regulatory gene in a pathogenic fungus that is the most common cause of fungal respiratory infections worldwide.

CAMPUS CHILD CARE

Community Coordinated Child Care for "Quality Counts Child Care proposal for equipment."

Lisa Schmidt.

Award: \$9,867.00.

February 28, 2009-April 24, 2009. Public Service.

Funds were used to obtain materials to enhance the physical environment of the child care center and its playground, and to better serve the needs of children with special communication needs.

CENTER ON CHILD WELFARE AND EDUCATION/COLLEGE OF EDUCATION

Illinois Department of Children and Family Services for "Northern Region Permanency Enhancement Project." Angela Baron-Jeffrey/Lemuel Watson.

Award: \$59,652.00.

January 1, 2009 – June 30, 2009. Public Service.

Funds are being used 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.

CENTER FOR GOVERNMENTAL STUDIES

Illinois Community College Board for “Adult Education and Family Literacy.” John Baj/Desheng Xu.

Award: \$25,000.00.

July 1, 2008-June 30, 2009. Public Service.

Funds are being used to provide Illinois Community College Board with data and information to support program involvement initiatives, quality/performance funding for Adult and Family Literacy, and the state’s submission of the National Reporting System (NRS) for Adult Education and Family Literacy.

Chicago Metropolitan Agency for Planning for “CMAP Community Data Internet Mapping System (IMS).” Rima Roy.

Award: \$49,875.00.

January 30, 2009-September 30, 2009. Public Service.

Funds are being used to demonstrate the efficacy and usefulness of providing geographic datasets to CMAP partners in an interactive Web-based format.

CENTER FOR GOVERNMENTAL STUDIES/ELEARNING

State of Colorado Department of Labor and Employment for “e-Learning Knowledge Center.” Diana Robinson/Aline Click.

Award: \$55,990 (Cumulative Award: \$271,092.00).

March 1, 2007-June 30, 2009. Public Service.

Funds are being used to operate, develop, maintain and upgrade the functionality of an internet-based resource center that provides information on Colorado’s workforce development programs and policies.

CENTER FOR THE STUDY OF FAMILY VIOLENCE&SEXUAL ASSAULT

Positive Parenting DuPage for “Positive Parenting Initiative.” Julie Crouch.

Award: \$60,000 (Cumulative Award: \$180,000.00).

January 1, 2007-December 31, 2009. Research.

Funds are being used to assist in the evaluation of the Positive Parenting DuPage program.

Evaluation activities include: (1) evaluating the effectiveness of the parent education campaign as it is implemented in various service settings across DuPage County; (2) promoting evaluation of the effectiveness of home visitation programs in DuPage County; (3) evaluating effectiveness

of the information, resource, and referral phone services; and (4) providing consultation regarding continued development and refinement of the program's logic model.

Visiting Nurse Association of Fox Valley for "Development and Application of a Program Evaluation Protocol." Joel Milner.

Award: \$5,040.00.

January 1, 2009-December 31, 2009. Public Service.

Funds are being used to provide consultant services to the Visiting Nurse Association of Fox Valley (VNA) related to the development and application of a program evaluation protocol and the statistical analysis of the evaluation outcome data for the VNA's Health Family program.

Kansas State University for "Family Advocacy System of Records (FASOR)." Joel Milner.

Award: \$170,000 (Cumulative Award: \$322,501.00).

October 16, 2007-October 15, 2009. Research.

Funds are being used to assist the Air Force Family Advocacy Program (FAP) staff to more effectively use their Family Advocacy System of Records (FASOR) data base as a tool for accurately assessing family maltreatment within the Air Force and implementing timely and appropriate prevention and treatment processes.

CHEMISTRY AND BIOCHEMISTRY

National Institute of General Medical Sciences/NIH/DHHS for "Electron Transfer in Dynamic Protein Complexes." James Erman.

Award: \$211,200.00.

April 1, 2009-March 31, 2012. Research.

Funds are being used to study the catalytic mechanism of the enzyme cytochrome c peroxidase and long-range electron transfer in biological systems.

Applied Material Systems Engineering, Inc. for "Low Outgassing Carborane-Siloxane Polymer Synthesis and BN Nanomesh - Synthesis." Narayan Hosmane.

Award: \$30,000.00.

January 22, 2009-July 22, 2009. Research.

Funds are being used to evaluate the material technology needs for development of thermal management for future science missions that are critical to enabling to exploration of science missions.

National Institute of General Medical Sciences/NIH/DHHS for "Electrophiles in Synthetic Studies and Biologically Relevant Processes." Douglas Klumpp.

Award: \$217,500.00.

April 1, 2009-March 31, 2012. Research.

Funds are being used to study the chemistry of electrophiles in biological systems, with the ultimate goal of improving synthetic methodology for drug discovery and design.

COLLEGE OF ENGINEERING AND ENGINEERING TECHNOLOGY

Harris Foundation for “Northern Illinois University Science Technology Engineering Middle School Camp (NIU-STEM Camp).” Mansour Tahernezehadi.

Award: \$80,000.00.

February 23, 2009-February 22, 2010. Public Service.

Funds are being used for a summer science and mathematics camp for high school students.

Mott Community College for “Development of Two Web Based Training Modules.” Promod Vohra.

Award: \$40,000.00.

January 1, 2009-June 30, 2010. Public Service.

Funds are being used to develop two Adobe Presenter training modules: 1) Value Stream Mapping 2) Proquis & Cam-e-Learn.

Argonne National Laboratory for “Modeling and Simulation of an Emergency Evacuation Scenario for the Chicago Metropolitan Area.” Promod Vohra.

Award: \$7,560.00 (Cumulative Award: \$472,189.00).

September 1, 2007-May 31, 2009. Research.

Funds were used to model development and validation of selected emergency evacuation scenarios, identify development needs for highest priority and realistic simulation as well as visualization capabilities.

COLLEGE OF LIBERAL ARTS AND SCIENCES

Illinois Department of Public Health for “Illinois County Behavioral Risk Factor Surveys.” Cynthia Nelson.

Award: \$578,358.00.

December 15, 2008-September 30, 2009. Public Service.

Funds are being used to conduct a survey of health risk behaviors in 13 Illinois Counties.

COMPUTER SCIENCE

Fermi National Accelerator Laboratory for “RDI Internship.” Nicholas Karonis.

Award: \$6,850 (Cumulative Award: \$21,850.00).

August 25, 2008-May 15, 2009. Research.

Funds were used to support computer science undergraduate students as interns to work on programming projects identified by the sponsor.

FAMILY, CONSUMER & NUTRITION SCIENCES

Community Coordinated Child Care for “Equipment for NIU Child Development Lab.” Amy Lofthouse.

Award: \$5,289.00.

February 4, 2009-April 24, 2009. Public Service.

Funds were used to fund age-appropriate toys for purposeful play for the children in NIU’s Child Development Lab.

DeKalb County Community Foundation for “Phase I of Playground Renovation: Climbing structure and fall zone with installation.” Emily Reilly.

Award: \$5,000.00.

May 1, 2008-April 30, 2009. Public Service.

Funds were used toward a new playground structure.

DeKalb County Community Foundation for “Climbing Structure and Fall Zone for Playground Renovation.” Emily Reilly.

Award: \$5,000.00.

November 20, 2008-May 19, 2009. Public Service.

Funds were used toward the purchase and installation of a climbing structure and fall zone for the Child Development Lab playground.

GEOGRAPHY

National Science Foundation for “Collaborative Research: Climatological and Event-Based Radar Delineation of UHI Convection for Multi-Scaled Urban Corridors Within the Southeastern US.” Mace Bentley/Walker Scott Ashley.

Award: \$87,989 (Cumulative Award: \$194,171.00).

April 15, 2007-March 31, 2010. Research.

Funds are being used to study how the urban heat island phenomenon augments convection in several cities in the southeastern United States, as a first step toward understanding how man-made modifications in the landscape influence the development and strength of thunderstorms.

County of DuPage for “Geographic Information System (GIS) for the DuPage County Emergency Telephone System Board (ETSB) 9-1-1.” Richard Greene.

Award: \$23,296 (Cumulative Award: \$54,564.00).

February 16, 2008-November 30, 2009. Public Service.

Funds are being used to develop a Geographic Information System (GIS) database to support the 911 Emergency Telephone System Board for DuPage County, Illinois.

GEOLOGY AND ENVIRONMENTAL GEOSCIENCES

University of Nebraska, Lincoln for “Antarctic Drilling Contamination Effects on Pristine Microbial Communities and Geochemical Conditions: Implications for Extraterrestrial Exploration.” Melissa Lenczewski.

Award: \$36,396.00.

June 1, 2008-March 1, 2010. Research.

Funds are being used to establish a baseline for the potential contaminants being introduced into Antarctic environments by drilling fluids introduced during the collection of mud rotary cores.

University of Nebraska, Lincoln for “Collaborative Research: ANDRILL-Investigating Antarctica’s Role in Cenozoic Global Environmental Change.” Ross Powell.

Award: \$160,769 (Cumulative Award: \$2,696,085.00).

June 1, 2005-May 31, 2010. Research.

Funds are being used to research the development of the Antarctic cryospheric system, the magnitude and frequency of cryospheric changes on centennial to millennial timescales, the scope of Antarctic ice sheets’ influence, and the evolution and timing of major tectonic episodes in Antarctica and the development of sedimentary basins.

LEADERSHIP, EDUCATIONAL PSYCHOLOGY AND FOUNDATIONS

American Psychological Association for “Beyond Cross-Language Transfer Reinvestigating the Effect of Bilingualism on Phonological Awareness and Reading awareness and Reading Development Among Spanish-English Bilinguals and Chinese-English Bilinguals..” Li-Jen Kuo.

Award: \$7,500.00.

February 1, 2009 – July 31, 2010. Research.

Funds are being used to obtain a more comprehensive understanding of the effect of early bilingualism on phonological awareness development.

NURSING AND HEALTH STUDIES

Rosecrance Health Network for “Substance Abuse Treatment Outcomes Research.” James Ciesla.

Award: \$342,473 (Cumulative Award: \$420,327.00).

February 1, 2008-June 30, 2012. Research.

Funds are being used to conduct treatment outcome evaluations for RHC, RGW, and Monarch Houses. In addition to conducting an annual follow up of clients, the project: 1) researches national and regional benchmarks for comparison of the outcomes, 2) provides agency benchmarks derived from eleven years of treatment outcome work, 3) provides analysis of the outcomes for sub populations within the client groups 4) creates multi-year trend data and 5) constructs relapse dynamic data for each of the client groups.

Illinois Board of Higher Education for “FY09 Nursing Expansion Grant Renewal.” Brigid Lusk.
Award: \$300,000.00.
January 27, 2009-May 28, 2010. Instructional.

Funds are being used to continue capacity building in the nursing program to support off site education and on site laboratory enhancements.

University of Illinois at Chicago for “Preschool Based Obesity Prevention Effectiveness Trial.”
Angela Odoms-Young.
Award: \$19,472 (Cumulative Award: \$116,356.00).
June 1, 2007-August 15, 2008. Research.

Funds were used to: (1) identify factors that influence home food availability/accessibility in African-American families with preschool age children; (2) refine a measure to assess home food availability/accessibility of energy dense and nutrient dense food options in African-American families with preschool age children; (3) examine home food availability/accessibility of energy dense and nutrient dense food options in African-American households with preschool age children; and (4.) investigate the relationship between home food availability/accessibility, dietary intake, and BMI among African-American preschool children.

Illinois Board of Higher Education for “FY2009 IBHE Nurse Educator Fellowship-Oldenburg.”
Nancy Oldenburg.
Award: \$10,000.00.
December 9, 2008-June 30, 2009. Academic Support.

Funds are being used for further development of teaching practices in the School of Nursing’s Human Patient Simulation lab-funds are to be paid as a salary supplement to the Fellow.

PHYSICS

Fermi National Accelerator Laboratory for “DZero Experiment.” David Hedin/Alexander Dyshkant.
Award: \$21,930.00.
January 1, 2009-December 31, 2009. Research.

Funds are being used to support Alexander Dyshkant’s participation in the DZero experiment.

Argonne National Laboratory for “ATLAS Project.” Jose Guilherme Lima.
Award: \$44,000.00.
January 1, 2009-August 31, 2009. Research.

Funds are being used to support Dr. Lima’s core simulation support to the ATLAS collaboration. It involves validation of the detector subscription in the simulation program, ensuring internal consistency, detection and resolution of conflicts and bugs, and certification of the event samples generated using this simulation program.

National Aeronautics & Space Administration for “Total Reflection X-Ray Fluorescence Measurements of Contamination Levels on Genesis Samples.” Laurence Lurio.

Award: \$15,000.00.

March 11, 2009-June 20, 2009. Research.

Funds are being used to conduct an experiment to quantify the elemental composition of surface contamination.

Department of Energy for “Nonlinear Dynamics and Phase Space Manipulations of High-Brightness Electron Beams: Theories, Simulations, and Experiments.” Philippe Piot/Bela Erdelyi.

Award: \$98,000 (Cumulative Award: \$198,000.00).

February 1, 2008-January 31, 2010. Research.

Funds are being used to enhance our understanding of space charge while providing considerable additional detailed data by which to validate simulation codes and pave the way to phase space manipulations such as needed to improve the beam brightness.

Fermi National Accelerator Laboratory for “Support for Timothy Maxwell.” Philippe Piot.

Award: \$35,805.00.

January 1, 2009-December 31, 2009. Research.

Funds are being used to support a NIU graduate student’s participation in Fermi Lab’s PhD program.

Argonne National Laboratory for “Support for Karoly Nemeth.” Michel van Veenendaal.

Award: \$52,505.00.

April 1, 2009-March 31, 2010. Research.

Funds are being used to support Karoly Nemeth’s efforts at Argonne’s Advanced Photon Source.

PSYCHOLOGY

National Institute of Mental Health/NIH/DHHS for “Behavioral Autonomic and Endocrine Regulation in Depression and Heart Disease.” Angela Grippo.

Award: \$146,813 (Cumulative Award: \$215,221.00).

February 1, 2008-January 31, 2010. Research.

Funds are being used to investigate the hypothesis that neural mechanisms involving oxytocin underlie the documented association between depression and heart disease.

Illinois Department of Children and Family Services for “Integrated Assessment Program.” Greg Waas.

Award: \$1,705,199 (Cumulative Award: \$6,710,126.00).

July 1, 2004-June 30, 2009. Public Service.

Funds are being used to provide clinical screening and assessment services to children and adults served by IDCFS in Fiscal Year '06.

PUBLIC OPINION LAB

Center for Policy Research for "Colorado Custodial Parent Survey." Ben Bingle.

Award: \$14,497.00.

January 5, 2009-April 30, 2009. Public Service.

Funds were used to conduct the Colorado Custodial Parent Survey for the Center for Policy Research.

Center for Policy Research for "Tennessee Parenting Program Participants Survey 2009." Linda Novotny.

Award: \$6,877.00.

December 16, 2008-April 30, 2009. Public Service.

Funds were used to conduct a survey of the Tennessee Parenting Program participants for the Center for Policy Research.

Center for Policy Research for "2007-2008 Interviews with Texas Strong Families Program Participants." Linda Novotny.

Award: \$2,277 (Cumulative Award: \$19,768.00).

May 15, 2007-May 31, 2009. Public Service.

Funds were used to conduct telephone interviews with participants of a program entitled Texas Strong Families during 2007-2008. Amendment extends project thru 5/31/09.

Children's Memorial Hospital for "Illinois Health Survey Pilot Project." Lorayn Olson.

Award: \$27,403 (Cumulative Award: \$156,944.00).

January 1, 2008-July 31, 2009. Public Service.

Funds are being used to conduct a pilot of a health survey to approximately 500 families in Chicago.

University of Illinois at Urbana-Champaign for "External Review of the ISBE Large Scale Assessment and Accountability System." Lorayn Olson.

Award: \$23,965.00.

December 2, 2008-June 30, 2009. Public Service.

Funds are being used to conduct a math and science assessment survey of fourth and fifth grade teachers in 2,000 schools.

GrahamSpencer: Advertising/Design for “Giovanni’s Restaurant Focus Groups.” Mindy Schneiderman.

Award: \$6,519.00.

December 15, 2008-January 26, 2009. Public Service.

Funds were used to conduct focus groups regarding Giovanni’s Restaurant in Rockford for Graham Spencer.

University of Illinois at Urbana-Champaign for “LIDAR.” Karen Schnite.

Award: \$18,800.00.

November 21, 2008-January 31, 2009. Public Service.

Funds were used to conduct an internet survey regarding Height Modernization data for the Illinois State Geological Survey.

Special Education District of Lake County (SEDOL) for “SEDOL web survey.” Karen Schnite.

Award: \$2,418.00.

December 1, 2008-April 30, 2009. Public Service.

Funds were used to conduct a web-based survey for the Special Education District of Lake County.

Illinois Department of Financial and Professional Regulation for “Division Stakeholder Survey.” Karen Schnite.

Award: \$18,392.00.

July 1, 2008-June 30, 2009. Public Service.

Funds are being used to conduct an on-line survey of stakeholders specified by the Illinois Department of Financial and Professional Regulation and to report on the findings and statistical analysis of the survey.

RESEARCH EVALUATION AND POLICY STUDIES

Decatur Public Schools #61 for “REMS—Decatur.” Brent Wholeben/Ximena Recalde.

Award: \$8,000.00.

February 11, 2009-March 30, 2010. Public Service.

Funds are being used to evaluate the progress of Decatur Public Schools District #61 toward the achievement of objectives on their Readiness and Emergency Management for Schools (REMS) project; REMS is a school-based and community-oriented initiative designed to prepare schools within the district with crisis planning including mitigation and prevention, preparedness, response, and recovery information.

STATISTICS

Abbott Laboratories Fund for “Support for Linear and Nonlinear Mixed Models and Their Applications to Clinical Data.” Balakrishna Hosmane.

Award: \$24,000 (Cumulative Award: \$36,000.00).

April 1, 2007-December 31, 2010. Research.

Funds are being used to provide consultative assistance to statisticians at Abbott Laboratories in the application of linear and nonlinear mixed models to clinical data of interest to the sponsor.