

DIMENSIONS *of* DISCOVERY

Sponsored Program Awards

November 2011

Adams, Douglas E; mechanical engineering, from Sikorsky Aircraft, \$59,977, "Assessment of Rapid Response Research (RAPID) Non-Destructive Inspection (NDI) for Composite Main and Tail Rotor Blades."

Adeola, Olayiwola; animal sciences, from Danisco Animal Nutrition, \$80,635, "The Efficacy of Graded Levels of Amino Acids on Digestibility in Weaned Piglets Fed a Corn-Soy Based Diet."

Allebach, Jan P; electrical & computer engineering, from Hewlett Packard SBY PO Payment Request, \$37,500, "Multilevel Halftoning Algorithms for HP Scitex Products."

Anderson, William E and Xia, Guoping; aeronautical & astronautical engineering, from IN Space, LLC, \$172,398, "Combustion Stability Measurement and Prediction."

Appenzeller, Joerg; electrical & computer engineering, from SUNY at Albany, \$20,000, "SUNY Modification 4 to 103505 Subaward #08-54."

Appenzeller, Joerg; electrical & computer engineering, from University of California-Los Angeles, \$108,000, "University of California Los Angeles (UCLA) Amendment No.3 Subcontract Agreement No.0160 S MB957." (a Discovery Park award — Birck Nanotechnology Center)

Applegate, Todd J; animal sciences, from Biomin America Inc, \$52,000, "Mycotoxin Research."

Banks, Margaret K; civil engineering, from Russell O. Blosser Memorial Fellowship, \$1,500, "Zhang, Wen."

Basaran, Osman A; chemical engineering, from Procter & Gamble Company, \$40,000, "Analysis of Stringing During Bottle Fill."

Bayley, William G; chemistry, from Annette M Maier, \$600, "Instrumentation Van Project."

Beck, Alan M; comparative pathobiology, from PHS-NIH National Institute of Child Health and Human Development, \$75,007, "Animal-Assisted Intervention for Children with Autism Spectrum Disorder and Their Peers in a Classroom Setting."

Bennett, Robert W; pharmacy practice, from Genentech Corporation, Inc., \$60,000, "Exploring the Oncologists Tool-Kit in Advanced Colorectal Cancer (CRC): Patient Assessment, Therapy Selection, and Other Considerations for Optimizing Care (PPVNE07423)."

Bobet, Antonio; civil engineering, from Exxon Corporation, \$50,000, "Exxon Mobile Corp."

Bolton, J S; mechanical engineering, from 3M General Offices, \$22,000, "Gift Support for Stuart Bolton."

Bouck, Emily C; educational studies, from U.S. Department of Education, \$200,000, "MathSpeak: Hearing Math."

Bowling, Laura C; Chaubey, Indrajeet; Frankenberger, Jane R and Goforth, Reuben R; agronomy, agricultural & biological engineering, forestry & natural resources, from Natural Resources Conservation Services, \$241,005, "Demonstrating Nitrogen Treatment Effectiveness through Innovative Bench Wetland Systems."

Bowman, Keith J; materials engineering, from Purdue University F N Andrews Fellowship, \$18,146, "Steiner, Colton."

Buczkowski, Grzegorz A; entomology, from Access Business Group International LLC, \$800, "Multi-Sponsored."

Buczkowski, Grzegorz A; entomology, from Access Business Group International LLC, \$3,174, "Multi-Sponsored."

Caldwell, Barrett S; industrial engineering, from Multi-Sponsored Industrials, \$1,000, "Indiana Space Grant Consortium (INSGC) Affiliate Dues."

Caldwell, Barrett S; industrial engineering, from Multi-Sponsored Industrials, \$1,000, "Indiana Space Grant Consortium (INSGC) Affiliate Dues."

Caldwell, Barrett S; industrial engineering, from Multi-Sponsored Industrials, \$1,000, "Indiana Space Grant Consortium (INSGC) Affiliate Dues."

Caldwell, Barrett S; industrial engineering, from Multi-Sponsored Industrials, \$1,000, "Indiana Space Grant Consortium (INSGC) Affiliate Dues."

Campbell, John P; Rosen Center for Advanced Computing, from Bill & Melinda Gates Foundation, \$1,231,754, "Building and Scaling Analytics Capacity: A Grant Proposal to the Bill and Melinda Gates Foundation."

Carlson, Jacob R; Bracke, Marianne S; Fosmire, Michael J; Miller, Christopher C and Sapp Nelson, Megan; library administration, from Institute of Museum and Library Services, \$249,391, "Educating the New Generation of E-Scientists through Developing a Data Information Literacy Curriculum."

Casteel, Shaun N; agronomy, from Monsanto Company, \$2,625, "Soybean Extension Research."

Casteel, Shaun N; agronomy, from Monsanto Company, \$4,000, "Soybean Extension Research."

Chaubey, Indrajeet; environmental & ecological engineering, from Russell O. Blosser Memorial Fellowship, \$1,500, "Trybula, Elizabeth, M."

Choi, Kyoung-Shin; chemistry, from Samsung Advancement Institute of Technology, \$63,000, "Electrocatalyst Synthesis and Electrochemical Deposition of Photo Electrode Materials for Water Splitting Project."

Christmon, Kenneth C; diversity & multicultural affairs — Fort Wayne campus, from Indiana Department of Workforce Development, \$52,954, "Career and Technical Education Student Services 2011/2012."

Conners, Susan E; marketing, human resources & management — Calumet campus, from Multi-Sponsored Industrials, \$4,750, “Equine Survey Project.”

Constable, Peter D; veterinary clinical science, from Circle City Veterinary Specialty & Emergency Hospital LLC, \$10,000, “Small Animal Medicine Residency Support.”

Cooks, Robert G; chemistry, from U.S. Department of Energy, \$162,000, “High-Throughput Preparative Mass Spectrometry at Atmospheric Pressure for the Creation and Soft-Landing of Catalytic; Modification 5.”

Cooks, Robert G and Ouyang, Zheng; chemistry, biomedical engineering, from Johns Hopkins University Applied Physics, \$200,000, “Ambient Ionization Miniature Mass Spectrometer.” (a Discovery Park award — Bindley Bioscience Center)

Culurciello, Eugenio; biomedical engineering, from Johns Hopkins University, \$67,244, “Figure-Ground Processing, Saliency and Guided Attention for Analysis of Large Natural Scenes.”

Culurciello, Eugenio; biomedical engineering, from John B Pierce Laboratory, \$140,000, “High-Speed, Wide Field Fluorescent Imaging of Cortex in Freely Moving Animals.”

Culurciello, Eugenio; biomedical engineering, from Johns Hopkins University, \$24,055, “Figure-Ground Processing, Saliency and Guided Attention for Analysis of Large Natural Scenes.”

Daugherty, Jenny L; industrial technology, from Black Hills State University, \$101,006, “An Examination of Science and Technology Teachers Conceptual Learning through Concept-Based Engineering Professional Development.”

De Hoop, Maarten V; mathematics, from Multi-Sponsored Industrials, \$80,000, “Geo-Mathematical Imaging Group (GMIG) Consortium.”

DeLaurentis, Daniel A; Crossley, William A; Hwang, Inseok and Sun, Dengfeng; aeronautical & astronautical engineering, from Intelligent Automation Inc, \$358,081, “Modeling and Simulation for Unmanned Aircraft Systems (UAS) in the National Airspace System (NAS).”

DeLaurentis, Daniel A and Mane, Muharrem; aeronautical & astronautical engineering, from Naval Postgraduate School, \$120,000, “Acquisition Management for Systems-of-Systems: Requirement Evolution and Acquisition Strategy Planning.”

Delp, Edward J; electrical & computer engineering, from Indiana University Purdue University at Indianapolis, \$32,215, “O’Brien-Indiana University Purdue University at Indianapolis (IUPUI)-Purdue Subcontract-Graduate Student Support.”

Dietz, James E; Wojtalewicz, Clifford J; Koester, Deborah L and Sloan, Mary Anne; technology - administration, computer & information technology, Technology Assistance Program, from City of Chicago Office of Emergency Management, \$1,497,162, “Regional Hub Reception Center Planning Guide.” (a Discovery Park award — Discovery Park Administration)

Ebert, David S; Collins, Timothy F and Luzader, Sally L; electrical & computer engineering, from Rutgers State University, \$28,249, “Vaccine Communications Supplement Workplan.” (a Discovery Park award — Discovery Park Administration)

Eggler, Aimee; biological sciences, from PHS-NIH National Cancer Institute, \$1,107, “Investigating Nrf2 Phosphorylation in the Mechanism of Cancer Prevention Agents.”

Emery, Nancy C and Robertshaw, Asya A; botany & plant pathology, from Indiana Academy of Science, \$2,970, “The Effects of Climate Change on Plant Reproductive Success in the Indiana Spring Ephemeral Community.”

Ferris, Virginia R; entomology, from Indiana Crop Improvement Association, \$7,500, “Cyst Nematode Program.”

Field, William E; agricultural & biological engineering, from National Institute of Food & Agriculture, \$180,000, “Indiana Agrability Project.”

Filley, Timothy R; earth & atmospheric sciences, from University of Illinois at Chicago, \$56,328, “Permafrost Thawing and Vegetation Change Effects on Cryoturbation Rates and C and CH4 Dynamics.”

Filley, Timothy R; earth & atmospheric sciences, from Russell O. Memorial Blosser Fellowship, \$1,500, “2008 Blosser Environmental Travel Grant.”

Finke, Linda M; health & human services — Fort Wayne campus, from Indiana Family Health Council, Inc., \$118,425, “Lafayette Street Family Health Clinic Title X.”

Foster, Ricky E; entomology, from Richard K Kesler, \$6,000, “Vegetable & Fruit Research.”

Frankenberger, James R; agricultural & biological engineering, from Purdue University F N Andrews Fellowship, \$173, “Trybula, Elizabeth.”

French, Doran C; child development & family studies, from Ross Graduate Fellowship-Assistantship, \$2,259, “Marini, Christina.”

Garfinkel, Arthur F; physics, from Argonne National Laboratory, \$40,262, “Graduate Student Services: Laura Boon.”

Garimella, Suresh V; mechanical engineering, from Multi-Sponsored Industrials, \$30,000, “Cooling Technologies Research Center (CTRC) 2011 Membership.”

Garimella, Suresh V; mechanical engineering, from Multi-Sponsored Industrials, \$7,500, “Cooling Technologies Research Center (CTRC) 2011 Membership.”

Ghafoor, Arif; electrical & computer engineering, from Umm Al-Qura University, \$160,000, “Purdue-Umm Al-Qura University Collaborative Service Agreement.”

Ghiselli, Richard F; hospitality & tourism, from Banfi Vinters Foundation, \$12,500, “Banfi Vintners Foundation.”

Gibson, Kevin D; botany & plant pathology, from Ohio State University, \$60,072, “Mental Models and Participatory Research to Redesign Extension Programming for Organic Weed Management.”

Ginzel, Matthew D and Sadof, Clifford S; entomology, from Animal Plant Health Inspection Service, \$125,782, “Towards Developing Ash Varieties Resistant to Emerald Ash Borer and Increasing the Efficacy of its Biological Control Agents.”

Goforth, Reuben R; forestry & natural resources, from Indiana Department of Natural Resources, \$128,030, “An Assessment of Silver and Bighead Carp (*Hypophthalmichthys* spp) Movements and Spawning Activities in the Wabash River Watershed, Indiana - Phase II.”

Heister, Stephen D; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$1, “Wiest, Heather.”

Heister, Stephen D; aeronautical & astronautical engineering, from American Society for Engineering Education, \$11,000, “American Society for Engineering Education (ASEE) National Aeronautics and Space Administration (NASA) Aeronautics Scholarship Program (ASP) Fellowship for Catherine Patrick.”

Hertel, Thomas W; agricultural economics, from Multi-Sponsored Industrials, \$39,300, “Global Trade Analysis Project (GTAP) Consortium - 2011.”

Hertel, Thomas W; agricultural economics, from Multi-Sponsored Industrials, \$39,300, “Global Trade Analysis Project (GTAP) Consortium - 2011.”

Hertel, Thomas W; agricultural economics, from Multi-Sponsored Industrials, \$19,650, "Global Trade Analysis Project (GTAP) Consortium - 2011."

Hibberd, Charles A; agriculture — administration, from National Institute of Food & Agriculture, \$14,000, "Excellence in Extension Program Support."

Hirleman, E D; mechanical engineering, from Purdue Doctoral Program, \$17,001, "Nelis, Molly."

Hirleman, E D; mechanical engineering, from Purdue Doctoral Program, \$15,263, "Yoder, Nathanael, C."

Hirst, Peter M; horticulture & landscape architecture, from Indiana Department of Natural Resources, \$10,000, "2011 Plum Pox Virus (PPV) Survey of Indiana Peach Orchards."

Hook, Tomas O; forestry & natural resources, from University of Michigan, \$82,609, "Adaptive Integrated Framework: A New Methodology for Managing Multiple Stressors in Coastal Ecosystems."

Hutcheson, John S; Office of Engagement, from Multi-Sponsored Industrials, \$5,500, "Multi-Sponsored Account Purdue Center for Regional Development (PCRD)."

Hutcheson, John S; Office of Engagement, from Southern Maine Community College, \$1,000, "SMCC Journal Launch."

Ileleji, Klein; agricultural & biological engineering, from Russell O. Blosser Memorial Fellowship, \$1,500, "McClurkin, Janie."

Ishii, Mamoru; nuclear engineering, from Bettis Atomic Power Laboratory, \$28,500, "Multidimensional Interfacial Area Data - NRC Boiling Annulus Data."

Jacobi, Judith N; community relations — North Central campus, from Unity Foundation of LaPorte County, \$2,400, "Sinai Forum Presented by Purdue University North Central 2011 Season."

Jafvert, Chad T; civil engineering, from Weston Solutions, \$109,139, "Field Sampling Plan for the West Branch Grand Calumet River Site Characterization, Reaches 6 and 7."

Johnson, William G; botany & plant pathology, from Agrigenetics Inc, \$9,000, "Study Proposal for AAD-12 Soybean."

Jones, Annetta R; field extension educators, from American Institute for Research, \$6,000, "Pilot Testing Workshops Eat Healthy - Be Active."

Jones, Yava L and Freeman, Lynetta; comparative pathobiology, veterinary clinical science, from Ethicon Endo-Surgery, Inc, \$34,785, "Pilot: Colostomy with Staple Repair and Intra-Peritoneal Fluid Collection."

Karwa, Rakhi and Pastakia, Sonak D; pharmacy practice, from Indiana University School of Medicine, \$15,349, "East Africa International epidemiologic Database to Evaluate AIDS (IeDEA) Regional Consortium."

Keener, Kevin M; food science, from Griffith Laboratories, \$50, "Multi-Sponsored Gift."

Keener, Kevin M; food science, from Griffith Laboratories, \$50, "Multi-Sponsored Gift."

Keener, Kevin M; food science, from Griffith Laboratories, \$20, "Multi-Sponsored Gift."

Key, Nicole L and Chen, Jun; mechanical engineering, from National Aeronautics and Space Administration, \$299,557, "An Experimental Investigation of the Flow Physics Associated with End Wall Losses and Large Rotor Tip Clearances; Supplement 1."

Kildishev, Alexander V and Shalaev, Vladimir M; electrical & computer engineering, from Naval Sea Systems Command Naval Surface Warfare Center (NAVSEA/NSWC) Crane, \$165,000, "Low-Observable Metamaterials for Optical Cloaking Devices." (a Discovery Park award - Institute for Defense Initiatives)

Kirkpatrick, Jane M; nursing, from Indiana State Department of Health, \$160,571, "Family Health Clinic of Carroll County: Increasing Access for Rural Populations Supplement."

Kirkpatrick, Jane M; nursing, from Indiana State Department of Health, \$235,400, "Indiana Tobacco Prevention and Cessation Grant for Tippecanoe County."

Kokini, Klod; Holloway, Elizabeth M; Nauman, Eric A; Reed-Rhoads, Teri and Sadowski, Mary A; engineering administration engineering experiment, Women in Engineering Program, mechanical engineering, technology - administration, from Stevens Institute of Technology, \$12,000, "NSF-Engage Proposal."

Konieczny, Stephen F; biological sciences, from Indiana University, \$15,416, "GEM Core for Pancreas Working Group."

Koslowski, Marisol; mechanical engineering, from Purdue Research Foundation: Special Incentive Research Grant (SIRG), \$26,964, "Prediction of Reliability, Integrity, and Survivability of Microsystems (PRISM)."

Krupke, Christian H; entomology, from Amvac Chemical Corporation, \$6,000, "Krupke - Entomology - Research."

Krupke, Christian H; entomology, from Amvac Chemical Corporation, \$28,600, "Krupke - Entomology - Research."

Kuhn, Richard J; biological sciences, from Purdue University F N Andrews Fellowship, \$1,346, "Morman, Rosemary."

Kuhn, Richard J; biological sciences, from Purdue Doctoral Program, \$15,322, "Hernandez, Kyle."

Lasker, Gregory C; building construction & management technology, from Multi-Sponsored Industrials, \$2,000, "Healthcare Student Support - Lasker."

Laux, Chad; industrial technology, from Purdue University Special Initiative Program, \$19,346, "Chopra, Shweta."

Lavere, Suzanne M; history — Fort Wayne campus, from University of Notre Dame, \$40,000, "AW Mellon Postdoctoral Fellowship in Medieval Studies - Suzanne Lavere - Indiana University-Purdue University Fort Wayne (IPFW)."

Li, Zhiyuan; computer science, from Intel Corporation, \$30,000, "Symbolic Analysis Parallel Programming Model and Compiler Optimization Technology."

Lipshitz, Leonard M; mathematics, from Purdue Doctoral Program, \$15,263, "Lugo, Jose, L."

Liu, Shuang; health sciences, from Susan G. Komen Breast Cancer Foundation, \$180,000, "Imaging Breast Cancer with Tc-99m Labeled Acridines by Targeting Telomere/Telomerase Complex."

Lopez, Roberto G; horticulture & landscape architecture, from Multi-Sponsored Industrials, \$2,500, "Multi Sponsored Gift Account."

Lopez, Roberto G; horticulture & landscape architecture, from Ross Graduate Fellowship-Assistantship, \$16,750, "Currey, Christopher, J."

Lopez, Roberto G; horticulture & landscape architecture, from Multi-Sponsored Industrials, \$2,500, "Multi-Sponsored Gift Account."

Love, David J; electrical & computer engineering, from Samsung Electronics Co., Ltd, \$90,500, "Channel Output Feedback for Enhancing Link Reliability Project."

Low, Philip S; chemistry, from John Thomas & Julie Ann Hurvis, \$109,000, “Multi-Sponsor Voluntary Support.”

Lucht, Robert P; mechanical engineering, from U.S. Department of Energy, \$120,000, “Polarization Spectroscopy and Electronic-Resonance-Enhanced Coherent Anti-Stokes Raman Scattering; Modification 8.”

Lundstrom, Mark S; Alam, Muhammad A; Datta, Supriyo; Klimeck, Gerhard; Strachan, Alejandro H and Ye, Peide; electrical & computer engineering, materials engineering, from Massachusetts Institute of Technology, \$540,839, “Modification 4 to Marco/MIT Subaward No. 57100002706 (Grant 104309).”

Lundstrom, Mark S; electrical & computer engineering, from Multi-Sponsored Industries, \$37,500, “Network for Computational Nanotechnology (NCN) Membership.”

Lundstrom, Mark S and Alam, Muhammad A; electrical & computer engineering, from Energy Research Inc., \$300,000, “Network of Photovoltaic Technology; Amendment 1.”

Lynall, Matthew D; management, from Purdue University, \$2,500, “Krannerts Experiential Learning Initiative (ELI).”

MacDermid Wadsworth, Shelley; child development & family studies, from Science Applications International Corp, \$250,000, “Military Family Services Research in Support of the NHRC Mental Health Access Initiative.”

Maier, Dirk E; agricultural & biological engineering, from Purdue University F N Andrews Fellowship, \$238, “McClurkin, Janie D.”

Mao, Chengde; chemistry, from Office of Naval Research, \$24,000, “Assembly of Complex DNA Nanostructures through Structural Transformation; Modification 1.”

Matson, Eric T; Dietz, James E and Pekny, Joseph F; computer & information technology, chemical engineering, from Argonne National Laboratory, \$75,354, “Research Cyber Security Issues of Plug-In Electric Vehicles and Grid Storage Business Model.”

Mauer, Lisa J and Deering, Amanda J; food science, from Dole, \$45,427, “Contract Project in Food Safety.”

McCullough, Robert G; anthropology — Fort Wayne campus, from Indiana Department of Natural Resources, \$26,992, “Principal Investigator for the Mounds and Earthworks Preserve America Grant Project.”

McKee, Renee K; CES-engagement, from National Institute of Food & Agriculture, \$454,545, “Military Community Family and Youth Extension Program.”

Melosh, Henry J and Richardson, James E; physics, earth & atmospheric sciences, from Massachusetts Institute of Technology, \$280,000, “GRAIL-Gravity Recovery and Interior Lab-Phase E&F.”

Michler, Charles H and Pijut, Paula M; forestry & natural resources, from Animal Plant Health Inspection Service, \$161,932, “Development of Transgenic North American Ash Trees Expressing a Bacillus Thuringiensis Protein for Management of the Emerald Ash Borer.”

Morgan, Mark T and Paxson, Benjamin N; food science, from Invensys, \$6,700, “European Hygienic Engineering & Design Group (EHEDG) Phase II Cleanability Assessment of a 2 inch 871 feet Conductivity Flow-through Sensor for Invensys Operations Management.”

Murray, Michael D; pharmacy practice, from Indiana University School of Medicine, \$12,652, “Augmenting the Capacity for Comparative Effectiveness.” (a Discovery Park award — Bindley Bioscience Center)

Nakatsu, Cindy H; agronomy, from Interdisciplinary Assistantships, \$22,009, “Kelley, Tina.”

Nennich, Tamilee D; animal sciences, from Land Olakes Farmland Feed LLC, \$3,000, “Heifer Research.”

Nolan, Riall W; International Programs, from Embassy of France, \$7,500, “Increase of Award for Grant 202057.”

Nyenhuis, John A; electrical & computer engineering, from Zimmer, \$21,500, “Trans-Fx External Fixation System (Large and Intermediate Only) and Wristore.”

Oakes, William C; engineering education, from Multi-Sponsored Industries, \$2,278, “Engineering Projects in Community Service (EPICS).”

Ohm, Herbert W and Goodwin, Stephen B; agronomy, botany & plant pathology, from Agricultural Research Service, \$30,000, “Genetics of Host-Pathogen Interactions Between Mycosphaerella Graminicola and Wheat.”

Ohm, Herbert W; agronomy, from Agricultural Research Service, \$10,000, “Oat Single Nucleotide Polymorphism (SNP) Development and Identification of Loci Affecting Key Traits in North American Oat Germplasm Using Barley Yellow Dwarf Virus (BYDV) and Crown Rust Testing.”

Overholser, Brian R; pharmacy practice, from PHS-NIH National Heart, Lung & Blood Institute, \$138,214, “Probing the Atrial Arrhythmogenic Substrate with Sustained Adrenergic Stimulation.”

Paarlberg, Philip L; agricultural economics, from Animal Plant Health Inspection Service, \$24,000, “Estimating the Potential Economic Impact of Select Pests of Seeds and Nursery Stocks.”

Patton, Aaron J; agronomy, from Dow Agro Sciences, \$4,000, “Multi-Sponsored.”

Patton, Aaron J; agronomy, from Dow Agro Sciences, \$5,500, “Multi-Sponsored.”

Patton, Aaron J; agronomy, from Dow Agro Sciences, \$16,900, “Multi-Sponsored.”

Patton, Aaron J; agronomy, from Midwest Regional Turf Foundation, \$4,600, “Midwest Regional Turf Foundation.”

Patton, Aaron J; agronomy, from Dow Agro Sciences, \$2,500, “Multi-Sponsored.”

Patton, Aaron J; agronomy, from Dow Agro Sciences, \$7,500, “Multi-Sponsored.”

Patton, Aaron J; agronomy, from Dow Agro Sciences, \$15,000, “Multi Sponsored.”

Patton, Aaron J; agronomy, from Dow Agro Sciences, \$3,000, “Multi Sponsored.”

Patton, Aaron J; agronomy, from Dow Agro Sciences, \$24,000, “Multi Sponsored.”

Pekarek, Steven D and Sudhoff, Scott D; electrical & computer engineering, from University of Illinois at Champaign-Urbana, \$20,000, “Hardware Validation of Modeling and Design Tools for a Wound-Rotor Synchronous Machine and Novel Asymmetrical Reluctance Machine.”

Peroulis, Dimitrios; electrical & computer engineering, from Flowserve Corp, \$10,000, “Flowserve.” (a Discovery Park award — Birk Nanotechnology Center)

Peroulis, Dimitrios; electrical & computer engineering, from Purdue Research Foundation: Special Incentive Research Grant (SIRG), \$53,928, “Prediction of Reliability, Integrity, and Survivability of Microsystems (PRISM).”

Peterson, John R; physics, from Large Synoptic Survey Telescope Corp, \$93,000, “Large Synoptic Survey Telescope (LSST) Image Simulations.”

Pourpoint, Timothee L; Groven, Lori J and Son, Steven F; aeronautical & astronautical engineering, mechanical engineering, from Giner Electrochemical System LLC, \$175,000, "Phase II - High Energy Density Hydrogen Delivery System." (a Discovery Park award — Energy Center)

Prabhakar, Sunil K; computer science, from Purdue University F N Andrews Fellowship, \$17,096, "Coffey, Brittany."

Qi, Yuan; computer science, from Eli Lilly and Company, \$160,000, "Development of Bayesian Next-Generation Sequencing (NGS) Data Analysis Tools for Identifying Novel Somatic Splicing Isoforms Using Tumor Normal Paired RNA-Seq Data."

Quagraine, Kwamena K; agricultural economics, from Michigan State University, \$2,000, "North Central Regional Aquaculture Center Extension Project."

Raman, Arvind; mechanical engineering, from Purdue Research Foundation: Special Incentive Research Grant (SIRG), \$26,964, "Prediction of Reliability, Integrity, and Survivability of Microsystems (PRISM)."

Ratliff, Timothy L; Cancer Research Center, from Walther Cancer Institute Foundation Inc, \$75,000, "Development of Prostate Cancer Progression Markers."

Reklaitis, Gintaras V; Taylor, Lynne S; Litster, James D; Venkatasubramanian, Venkat and Wassgren, Carl R; chemical engineering, industrial & physical pharmacy, mechanical engineering, from Rutgers State University, \$977,252, "Engineering Research Center on Structural Organic Composites."

Rundell, Ann E; biomedical engineering, from Purdue Doctoral Program, \$15,263, "Mahoney, Maia."

Rundell, Ann E; biomedical engineering, from Purdue Doctoral Program, \$15,263, "Mahoney, Maia."

Saeedifard, Maryam; electrical & computer engineering, from General Electric Company, \$26,542, "Analysis, Modeling, and Control of Modular Multi-Level Converter (MMC) Configurations for HVDC Applications ... Part of the GE Edison Agreement."

Seidl, Amanda H; speech, language, and hearing sciences, from Educational Research Institute of America (ERIA), \$510, "Brigance Norming Testing."

Sharma, Maneesh K; accounting & finance — Fort Wayne campus, from Society of Actuaries, \$25,000, "Back Testing of Investment Performance by Asset Class."

Shaver, Gregory M; mechanical engineering, from Eaton, \$9,129, "Impact of Partial/No-Lift Operation of One (of Two) Intake Valves Per Cylinder on Engine Volumetric Efficiency, Brake Thermal Efficiency, and Air Handling System Performance."

Sheehan, Amy H; pharmacy practice, from PHS-Food and Drug Administration, \$45,000, "Joint Academic/FDA/Industry Regulatory Pharmaceutical Fellowship Program."

Shepson, Paul B; chemistry, from Purdue University F N Andrews Fellowship, \$16,223, "Williams, Janelle, K."

Shepson, Paul B and Pratt, Kerri A; chemistry, from National Science Foundation, \$17,200, "NSF Postdoctoral Fellowship in Polar Regions Research for Kerri Pratt."

Shepson, Paul B; chemistry, from Jet Propulsion Laboratory, \$105,100, "Implications of Arctic Sea Ice Reduction on Tropospheric Bromine, Ozone, and Mercury Chemical Process, Transport, and Distribution; Modification 2."

Shepson, Paul B; chemistry, from University of Michigan, \$127,056, "Airborne Microwave Observatory of Subcanopy and Subsurface (AirMOSS); Amendment 2."

Shih, Tom I; aeronautical & astronautical engineering, from Purdue University F N Andrews Fellowship, \$17,346, "Richard, Jerry."

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,596, "2011-12 Lynn Fellowships/Assistantships - Graduate School."

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, \$23,527, "Cimen, Cansu."

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, \$23,527, "Wang, Linna."

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, \$23,527, "Bates, Christopher."

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, \$23,527, "Benjamin, Christopher."

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, \$23,527, "Huang, Jiajie."

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, \$23,527, "Lo, Chiao-Ling."

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, \$23,527, "Rudisill, Matt."

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, \$23,527, "Wang, Hsing Hui."

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, \$23,527, "Dou, Wei."

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, \$23,527, "Ghosh, Soumitra."

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, \$23,527, "Grabowski, Jeffrey."

Smith, Richard S; food science, from Hinsdale Farms Ltd, \$35,000, "Sensory Evaluation Research."

Smith, Richard S; food science, from Hinsdale Farms Ltd, \$7,000, "Sensory Evaluation Research."

Smith, Richard S; food science, from Hinsdale Farms Ltd, \$1,000, "Sensory Evaluation Research."

Smith, Richard S; food science, from Hinsdale Farms Ltd, \$2,000, "Sensory Evaluation Research."

Smith, Richard S; food science, from Hinsdale Farms Ltd, \$750, "Sensory Evaluation Research."

Smith, Richard S; food science, from Hinsdale Farms Ltd, \$1,000, "Sensory Evaluation Research."

Smith, Richard S; food science, from Hinsdale Farms Ltd, \$1,500, "Sensory Evaluation Research."

Snyder, Margie E; pharmacy practice, from Macro International Inc., \$14,783, "Case Studies of Three Collaborative Medication Therapy Management Initiatives."

Snyder, Stephen T; materials engineering, from American Society for Engineering Education, \$11,000, "National Aeronautics and Space Administration (NASA) American Society for Engineering Education (ASEE) Fellowships for Catherin Patrick."

Spafford, Eugene H; Bagchi, Saurabh; Bertino, Elisa; Fahmy, Sonia A; Xu, Dongyan and Zhang, Xiangyu; Center for Education and Research in Information Assurance and Security (CERIAS), electrical & computer engineering, computer science, from Northrop Grumman Space Technology, \$398,853, "NG Consortium Yr. 3."

Spafford, Eugene H; computer science, from John Wiley & Sons Limited England, \$60,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

Sudhoff, Scott D and Pekarek, Steven D; electrical & computer engineering, from General Electric Company, \$85,781, “A Multi-Physics Multi-Objective Optimization Approach to Transformer Design.”

Sun, Chin-Teh; aeronautical & astronautical engineering, from Office of Naval Research, \$80,000, “Novel Sandwich Structures with Resonators Embedded in the Core; Modification 1.”

Swaminathan, Vishwanathan; statistics, from Yahoo Inc, \$2,500, “Yahoo Inc.”

Szymanski, Daniel B; agronomy, from Government of Kazakhstan, \$16,700, “Bolashak Fellowship for Dr. Rysbekova Aiman.”

Taleyarkhan, Rusi P; nuclear engineering, from Sagamore/Adams Laboratories LLC, \$266,291, “Prototype Development and Assessments for Industrial Applications of Select Purdue Nuclear Engineering Metastable Fluid Research Laboratory Technologies.”

Tao, Bernard Y; agricultural & biological engineering, from Indiana Corn Marketing Council, \$130,000, “Student Corn Innovation Contest.”

Tao, Bernard Y; agricultural & biological engineering, from Indiana Soybean Alliance, \$130,000, “Student Soybean Innovation Contest.”

Tarko, Andrew P; civil engineering, from Indiana Department of Transportation, \$50,000, “2011 Five Percent Report.”

Thompson, Leslie E; biological sciences — Calumet campus, from University of Illinois, \$17,406, “Healthy Landscapes, Healthy Lakes; Amendment 1.”

Tomar, Vikas; aeronautical & astronautical engineering, from University of Notre Dame, \$53,100, “Nanocomposite Materials Design Optimization with Experimental Validation for Engineered Microstructure at Multiple Length Scales; Amendment 2.”

Tucker, Mark A; youth development & agricultural education, from Ohio State University, \$91,155, “Development and Evaluation of Effective Educational Programs for Organic Weed Management.”

Turco, Ronald F; agronomy, from University of Toledo, \$39,997, “Methicillin-Resistant Staphylococcus Aureus (MRSA) on Athletic Fields.”

Varma, Arvind; chemical engineering, from Morgridge Institute for Research Inc, \$75,000, “Voluntary Support.”

Vijaykumar, T N; electrical & computer engineering, from NEC Laboratories America, Inc, \$35,000, “NEC.”

Vitek, Jan; computer science, from Association Internationale Pour Les Technology Objet, \$5,000, “European Conference on Object-Oriented Programming (ECOOP) 2012 Conference.”

Vyn, Tony J; agronomy, from Fluid Fertilizer Foundation, \$6,000, “Agricultural Cropping Systems.”

Wasserman, Adam; chemistry, from DOE-BER-Basic Energy Sciences Chemistry, \$119,812, “Towards Linear Scaling Electronics Structure via Partition Density Functional Theory, with Applications to Electro Chemical Capacity; Modification 1.”

Weaver, Connie M and Panitch, Alyssa; foods & nutrition, biomedical engineering, from Indiana University School of Medicine, \$24,214, “Indiana Clinical and Translational Science Institute (CTSI) (Additional Funds for PDT A. Panitch, TTR Workshop & Education Travel).” (a Discovery Park award — Bindley Bioscience Center)

Weaver, Connie M; foods & nutrition, from Kraft Foods Global, Inc, \$6,000, “Corporate Affiliates Fund.”

Weiser, Irwin H; liberal arts - administration, from United Student Aid Funds, Inc, \$15,000, “USA Funds - Scholarships - CLA.”

Wereley, Steven T; mechanical engineering, from Microfluidic Innovations LLC, \$7,000, “Microfluidic Innovations.” (a Discovery Park award — Birck Nanotechnology Center)

Wilker, Jonathan J; chemistry, from Office of Naval Research, \$34,615, “Mechanism-Based Antifouling: Characterizing Bioadhesives and Inhibiting Adhesion; Modification 7.”

Wise, Kiersten A; botany & plant pathology, from Iowa State University, \$19,527, “Combining Integrated Pest Management with Climate Change, Mitigation, and Adaptation in Soybean-Corn Cropping Systems.”

Xiu, Dongbin; mathematics, from Stanford University, \$40,000, “Large-Scale Uncertainty and Error Analysis for Time-Dependent Fluid/Structure Interactions in Wind Turbine Applications; Amendment 1.”

Xu, Dongyan; computer science, from Intelligent Automation Inc, \$33,000, “Policy Guided Isolation and Strategically Shielded Exposure: a Novel Approach to Secure Applications.”

Xu, Xianfan; Fisher, Timothy; Heister, Stephen D; Sands, Timothy D and Wu, Yue; mechanical engineering, aeronautical & astronautical engineering, Office of the Provost, chemical engineering, from National Science Foundation, \$463,651, “Thermoelectrics Partnership: Thermoelectrics for Automotive Waste Heat Recovery - Amend 1.” (a Discovery Park award — Birck Nanotechnology Center)

Yaninek, John S and Bledsoe, Larry W; entomology, from Indiana Department of Natural Resources, \$2,995, “Lobesia/Grape Commodity Farm Bill Survey Work Plan - Fiscal Year.”

Zhang, Xiangyu and Xu, Dongyan; computer science, from Defense Advanced Research Projects Agency, \$330,000, “Safe, Reuse-Oriented Reverse Engineering of Functional Components from X86 Binaries.”

Zhou, Chenn Q; Visualization Center, from St. Margaret Health, \$10,000, “Active Threat/Shooter.” ■

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