Abbott, Angela R and Eicher-Miller, Heather A; health and human sciences, foods & nutrition, from Indiana Family & Social Services Administration, $5,945,575, “Snap Ed/FNP Project.”

Abbott, Angela R; health and human sciences, from United Way-Greater Lafayette & Tippecanoe Co Indiana Inc, $500, “Poverty Simulator Volunteer Support.”

Abbott, Philip C; agricultural economics, from Goddard Space Flight Center, $73,165, “Evaluation of the National Aeronautics and Space Administration (NASA) Carbon Monitoring System - Sup 1 for Grant 106765.”

Adeola, Olaiyiwola; animal sciences, from Evonik Corporation, $20,000, “Swine & Poultry Research - Evonik.”

Agee, Ernest M; earth & atmospheric sciences, from Tan S. or June L. Chen (Individual Donor), $5,000, “June & Tan Chen Voluntary Support.”

Ahmed, Azza H; nursing, from Egyptian Cultural and Educational Bureau, $8,000, “Support for Visiting Scholar.”

Ajuwon, Kolapo; animal sciences, from Nutriad, $3,600, “Swine Research.”

Aliprantis, Dionysios; electrical & computer engineering, from National Science Foundation, $166,389, “Faculty Early Career Development (CAREER): Sculpting Electric Machines for Unidirectional Motion.”

Anderson, Joseph M; agronomy, from Suzanne M Cunningham, $35, “Indiana Arborists Association, Inc.”

Anderson, William E; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, $30,000, “Integrated Physics-Based Modeling and Experiments For Improved Prediction of Combustion Dynamics; Supplement 5 for Grant 105385.”


Applegate, Todd J; animal sciences, from JBS United Inc, $8,000, “Pyhtase in Poultry.”

Bae, Euiwon; mechanical engineering, from Samsung Electronics Co., Ltd, $100,000, “Towards a Non-Invasive Continuous Glucose Monitoring System Using Hybrid Optical Detections.”

Baldwin, Michael E; Lasher-Trapp, Sonia G and Trapp, Robert J; earth & atmospheric sciences, from Indiana Department of Transportation, $175,000, “Development of a Geographic Winter-Weather Severity Index for the Assessment of Maintenance Performance.”

Bayley, William G; chemistry, from Multi-Sponsored Industrials, $900, “Instrumentation Van Project.”

Bayley, William G; chemistry, from Multi-Sponsored Industrials, $300, “Instrumentation Van Project.”

Beard, Jane A; field extension educators, from Daviess County, $33,040, “Kiesel 2014 Daviess County Government Support.”

Beaudoin, Stephen P; chemical engineering, from Northeastern University, $75,000, “Adhesion of Explosives Residues to Swabs and Substrates.”

Beaulieu, Lionel J; Office of Engagement, from Multi-Sponsored Industrials, $500, “Multi-Sponsored Account (Purdue Center for Regional Development [PCRD]).”

Beaulieu, Lionel J; Office of Engagement, from Multi-Sponsored Industrials, $544, “Multi-Sponsored Account (Purdue Center for Regional Development [PCRD]).”

Beckerman, Janna L; botany & plant pathology, from Indiana Arborists Association, Inc., $6,000, “Indiana Arborists Association, Inc.”

Bigelow, Cale A; agronomy, from Agrotain International LLC, $10,500, “Putting Greens Research.”

Blatchley, Ernest R; civil engineering, from Pure Health Solutions Inc, $4,000, “PHSI Voluntary Support.”

Bouman, Charles A; electrical & computer engineering, from Innovative Science Solutions, LLC, $14,999, “Spectroscopic Absorption Sensine of High Velocity Flow Fields.”

Bouman, Charles A; electrical & computer engineering, from Northeastern University, $65,000, “Computed Tomography (CT) Image Reconstruction and Processing for Air Transportation Security.”

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, $35,064, “2013-14 Joint PhD Program with Indiana University Purdue University at Indianapolis (IUPUI) for Graduate Support — Keith Rennier.”

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, $33,982, “2013-14 Joint PhD Program with Indiana University Purdue University at Indianapolis (IUPUI) for Graduate Support — Andrew Chen.”

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, $34,631, “2013-14 Joint PhD Program with Indiana University Purdue University at Indianapolis (IUPUI) for Graduate Support — Keith Rennier.”

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, $35,064, “2013-14 Joint PhD Program with Indiana University Purdue University at Indianapolis (IUPUI) for Graduate Support — Silvia Canelon.”
Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, $35,064, “2013-14 Joint PhD Program with Indiana University Purdue University at Indianapolis (IUPUI) for Graduate Support — Shih Han.”

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, $8,132, “2013-14 Joint PhD Program with Indiana University Purdue University at Indianapolis (IUPUI) for Graduate Support — Shih Han.”

Bullock, Darcy M; civil engineering, from Edward C Levy Co, $2,250, “Joint Transportation Research Program (JTRP) Supplementary Research Account.”

Bullock, Darcy M; civil engineering, from Indiana Department of Transportation, $32,054, “2014 Transportation Research Board (TRB) Annual Meeting Activities.”

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

Caldwell, Barrett S; industrial engineering, from National Aeronautics and Space Administration, $575,000, “Indiana Space Grant Consortium Five Year Renewal Proposal for Activity Years 20-24 (March 15, 2010-March 14, 2015); Supplement 5 for Grant 104565.”

Caldwell, Barrett S; industrial engineering, from Purdue Doctoral Program, $19,726, “Heiden, Siobhan M.”

Campanella, Osvaldo H; agricultural & biological engineering, from Blume Distillation, LLC, $8,309, “Multi-Sponsored Gift Account.”

Campbell, Noll I; pharmacy practice, from Indiana University, $12,601, “Optimistic.”

Campbell, Wayne W; Kim, Jung E and Rosen, Arthur D; foods & nutrition, biological sciences, from National Cattlemen Beef Association, $90,000, “Effects of Dietary Protein Patternning on Weight Loss and Resistance Training-Induced Changes in Body Composition, Skeletal Muscle, and Indices of Metabolic Syndrome.”


Carlson, Jacob R; library administration, from Oregon State University, $5,390, “Analysis of Data Management Plans to Improve Research Data Services in Data Libraries.”

Casteel, Shaun N; agronomy, from Monsanto Company, $8,400, “Soybean Extension Research.”

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University School of Medicine, $54,000, “FY 2013-2014 Indiana University School of Medicine (IUSM) Fort Wayne Expansion Funding — State Support.”

Chen, Jun; Bolton, J S and Wodicka, George R; mechanical engineering, biomedical engineering, from Showalter Trust, $12,492, “2013 Showalter Awards.”

Chen, Weinong W; aeronautical & astronautical engineering, from Office of Naval Research, $40,000, “Ballistic Energy Dissipation through the Failure of Dynema; Modification 4 for Grant 105401.”

Cheng, Ji-Xin; biomedical engineering, from National Collegiate Inventors & Innovators Alliance, $5,000, “Intravascular Photoacoustic Catheter for Atherosclerosis Diagnosis.”

Connor, Robert J; Sohn, Young Moo and Varma, Amit H; civil engineering, from Hardesty and Hanover, $62,389, “Analytical Evaluation of the Orthotropic Deck of the Johnson Street Bridge.”

Cooks, Robert G; chemistry, from Merck & Company Inc., $80,000, “Merck” (a Discovery Park award — Bindley Biosciences Center)

Coppoc, Gordon L; medical education, from Indiana University School of Medicine, $4,000, “FY13-14 Indiana University School of Medicine (IUSM) — Lafayette Student and Faculty Recruitment & Retention.”

Coppoc, Gordon L; medical education, from Indiana University Purdue University at Indianapolis, $2,142,000, “FY13-14 Indiana University School of Medicine (IUSM) — Lafayette General Fund.”

Coppoc, Gordon L; medical education, from Indiana University Purdue University at Indianapolis, $375,000, “FY 13-14 Indiana University School of Medicine (IUSM)— Lafayette Student Expansion Funds.”

Csonka, Leslie N; biological sciences, from Rutgers State University, $13,052, “The Function of Small RNA-Based Viral Defense System in E. Coli.”

Culurciello, Eugenio; biomedical engineering, from Office of Naval Research, $106,299, “A Trillion Operations-Per-Second Vision System for DOD Applications; Modification 3 for Grant 105791.”

Culurciello, Eugenio; biomedical engineering, from Johns Hopkins University, $27,169, “Figure-Ground Processing, Salience and Guided Attention for Analysis of Large Natural Scenes.”

Davison, Vincent J; medicinal chemistry & molecular pharmacology, from Leidos, $130,480, “Raman Active Dyes.”

Delarentis, Daniel A; Bagchi, Saurabh and Heister, Stephen D; aeronautical & astronautical engineering, electrical & computer engineering, from Missile Defense Agency, $100,000, “An Agent-Based Concept for an Enhanced Command and Control, Battle Management, and Communications (C2BMC) Architecture; Modification 21.”

Derusha, Carmen E; field extension educators, from Indiana University Purdue University at Indianapolis, $10,773, “Coordinator Near-West Washington Merchants Association.”

Donkin, Shawn S; animal sciences, from Zinpro Corporation, $100,000, “Ruminant Research.”

Egel, Daniel S; botany & plant pathology, from DuPont,E.I. Denemours and Company, $6,000, “Potassium Management.”

Engel, Bernard A and Stwalley, Robert M; agricultural & biological engineering, from Michigan State University, $5,000, “Development of an Aquaponics System for Use in Developing Countries: Phase I Development of the Hydroponics Subsystem.”

Fankhauser, Gerald J; agriculture — administration, from Dow Agro Sciences, $2,016, “Corn Plant Hybrid & Density Trial.”

Fankhauser, Gerald J; agriculture — administration, from Dow Agro Sciences, $2,016, “Corn Variable Nitrogen Fertilizer Rate Trial.”

Farlow, James O; geosciences — Fort Wayne campus, from National Geographic Society, $13,580, “Fossil Large Vertebrates from the Pipe Creek Sinkhole (Late Neogene, Grant County, Indiana).”

Fentiman, Audeen W; engineering administration engineering experiment, from National Consort Graduate Minorities Engineering & Science, $63,000, “GEM Fellowship for Mario Rubio Domenique Lumpkin and Oscar Sandoval.”
Ferruzzi, Mario and Hamaker, Bruce R.; food science, from Pepsico Inc./ World Trading Co., $70,000, “Characterization of Orange Pomace as a Source of Bioactive Compounds for Modification of Intestinal Glucose Uptake.”

Ferruzzi, Mario and Hamaker, Bruce R.; food science, from Pepsico Inc./ World Trading Co., $79,394, “Characterization of Potato Phenolics and Their Ability to Modulate Carbohydrate Digestion and Glucose Uptake in Vitro.”

Ferruzzi, Mario; food science, from McCain Foods Limited, $66,907, “Potato Phytochemical Content and Recovery through Traditional Processing.”

Field, William E.; agricultural & biological engineering, from Tate & Lyle Ingredients Americas, Inc., $7,500, “Farm Safety.”

French, Richard M.; mechanical engineering technology, from Sinclair Community College, $17,508, “Learning, Engaging, Attaining, and Doing with Guitars Used in Teaching Achievable Real Situations in STEM (Science, Technology, Engineering & Mathematics) (Lead Guitar in STEM).”


Gabrielov, Andrei; mathematics, from National Science Foundation, $49,933, “Perspectives of Modern Complex Analysis.”

Ghiselli, Richard F.; hospitality & tourism, from J.Willard & Alice S Marriott Foundation, $25,000, “Marriott Executive in Classroom Series.”

Goforth, Reuben R.; forestry & natural resources, from Indiana Department of Natural Resources, $93,462, “An Assessment of Silver and Bighead Carp (Hypophthalmichthys spp.) Movements and Spawning Activities in the Wabash River Wabash River Watershed, Indiana.”

Golden, Barbara L.; biochemistry, from Purdue University, $99,800, “Acquisition of a Mosquito Crystallization Robot.”


Goldsbrough, Peter B.; botany & plant pathology, from Multi-Sponsored Industries, $12,500, “Multi-Sponsored Gift Account.”

Golub, Alla A; agricultural economics, from Commonwealth Science and Industrial Research Organization, $25,000, “Development of GHG Emissions Scenarios with Dynamic Global Trade Analysis Project (GTAP) Model.”


Haddock, John E and McDaniel, Rebecca S; civil engineering, from Indiana Department of Transportation, $119,964, “Performance of Warranted Asphalt Pavements: Smoothness and Performance of Indiana Warranted Asphalt Pavements.”

Haddock, John E; civil engineering, from Indiana Department of Transportation, $115,000, “Development of Standardized Component Based Equipment Specifications and Transition Plan into a Predictive Maintenance Strategy.”

Hamaker, Bruce R; food science, from Lynn Interdisciplinary Graduate Fellowship, $17,318, “Kazem, Ahmad.”

Han, Qingyou; mechanical engineering technology, from Multi-Sponsored Industries, $20,000, “Center for Materials Processing Research (CMPR).”

Han, Qingyou; mechanical engineering technology, from Multi-Sponsored Industries, $30,000, “Center for Materials Processing Research (CMPR).”

Heeg, Marlene O; pharmacy — administration, from Bayer Healthcare, LLC, $134,885, “PeerView InReview, Assessing the Clinical Potential of Emerging Targeted Agents in Advanced, Differentiated Thyroid Cancer” (150202187).”

Heeg, Marlene O; pharmacy — administration, from Janssen Johnson & Johnson Foundation, $19,650, “Development of a Recombinant Vaccine Against Streptococcus Pyogenes Infection and Disease.”

Heeg, Marlene O; pharmacy — administration, from Jackson Laboratory, $125,553, “CPDM: Cloning a Gene that Regulates Eosinophil Function.”

Hong, Zhaohui and Yang, Fenggang; history and political science - calumet campus, from the Henry Luce Foundation, Inc, $400,000, “Spatial Study of Chinese Religions and Society.”

Hook, Tomas O; Foley, Carolyn J and Troy, Cary D; forestry & natural resources, Illinois-Indiana Sea Grant Program, civil engineering, from Indiana Department of Natural Resources, $40,684, “Improvement in Collection and Dissemination of Real-Time Data from Lake Michigan (Michigan City, IN).”

Howe, Katherine M; botany & plant pathology, from Multi-Sponsored Industries, $30, “Katherine Howe Gift Fund.”

Hu, Y Charlie; electrical & computer engineering, from Intel Corporation, $100,000, “Intel Unified Framework.”


Heister, Stephen D; Lucht, Robert P and Meyer, Scott E; aeronautical &astronautical engineering, mechanical engineering, from Rolls-Royce Corporation, $15,000, “2013 Statement of Work for Rolls-Royce High Mach UTC.”


Hertel, Thomas W; agricultural economics, from Multi-Sponsored Industries, $19,650, “Global Trade Analysis Project (GTAP) Consortium.”

Hertel, Thomas W; agricultural economics, from Multi-Sponsored Industries, $19,650, “Global Trade Analysis Project (GTAP) Consortium.”

Hockerman, Gregory H; medicinal chemistry & molecular pharmacology, from Purdue University, $96,599, “Ionflux 16 System: Automated Voltage Clamp.”

Hogansesch, Harm; comparative pathobiology, from Vaxform, LLC, $119,218, “Development of a Recombinant Vaccine Against Streptococcus Pyogenes Infection and Disease.”

Hogansesch, Harm; veterinary medicine — administration, from Jackson Laboratory, $125,553, “CPDM: Cloning a Gene that Regulates Eosinophil Function.”

Hong, Zhaohui and Yang, Fenggang; history and political science - calumet campus, from the Henry Luce Foundation, Inc, $400,000, “Spatial Study of Chinese Religions and Society.”

Hook, Tomas O; Foley, Carolyn J and Troy, Cary D; forestry & natural resources, Illinois-Indiana Sea Grant Program, civil engineering, from Indiana Department of Natural Resources, $40,684, “Improvement in Collection and Dissemination of Real-Time Data from Lake Michigan (Michigan City, IN).”

Howe, Katherine M; botany & plant pathology, from Multi-Sponsored Industries, $30, “Katherine Howe Gift Fund.”

Hu, Y Charlie; electrical & computer engineering, from Intel Corporation, $100,000, “Intel Unified Framework.”
Irazoqui, Pedro; biomedical engineering, from Space and Naval Warfare Systems Center, $849,987, “Improving Robustness of Prosthetic Arm Control with an Innovative Radio Frequency (RF)-Based Implantable Electromyography (EMG) System; Modification 2 for Grant 105744.”

Ishii, Mamoru and Schlegel, Joshua P; nuclear engineering, from Bettis Atomic Power Laboratory, $208,500, “Interfacial Area Transport Study in Gas-Dispersed Flow Up to Churn-Turbulent to Annular Flow Regime Transition; Purchase Order 7005923, Amendment 4, Grant 105701.”

Ivantysynova, Monika; agricultural & biological engineering, from Bobcat Company, $50,142, “Optimization of Valve Plate to Reduce Noise and Maintain Low Control Effort for Axial Piston Pump Tandem Unit.”

Jiang, Yiwei; agronomy, from O J Noer Research Foundation, $6,000, “Turf Research — O J Noer”

Johal, Gurmukh S; botany & plant pathology, from Ag Alumni Seed Improvement Association, $10,000, “Johal Voluntary Support.”

Johnson, William G; botany & plant pathology, from Dow Agro Sciences, $10,000, “Weed Management to Evaluate Dow Agro Sciences Herbicides and Enlist Corn and Soybean Technology.”

Johnston, Cliff T; agronomy, from Clay Minerals Society, the, $25,467, “Memorandum of Understanding Between Department of Agronomy Purdue University and Clay Mineral Society.”


Key, Nicole L; mechanical engineering, from Honeywell Inc., $10,000, “Preparation for the Experimental Investigation of High Speed Centrifugal Compressor Flow Fields.”

Key, Nicole L; mechanical engineering, from Duke University, $65,174, “Grand Challenges in Turbomachinery Forced Response and NSV”

Kirkpatrick, Jane M; Aaltonen, Pamela M; Coddington, Jennifer A and O’Neil, Elizabeth A; nursing, from PHS-NIH National Center for Health Resources and Services Administration, $37,866, “Health Center Outreach and Enrollment Assistance.”

Klimeck, Gerhard; electrical & computer engineering, from Ruhr University Bochum, $29,500, “Graduate Student Support.”

Kokini, Jozef I; food science, from Alcoa Inc, $3,500, “Food Science Research.”

Kokini, Jozef I; food science, from Alcoa Inc, $2,500, “Food Science Research.”

Landry, Steven J and Deshmukh, Abhijit V; industrial engineering, from Johns Hopkins University, $24,416, “Dynamic Contagion Mechanisms in Financial Networks.”

Leary, James F; veterinary medicine — administration, from Dow Agro Sciences, $182,388, “Extrachromosomal FP Reporter Repair by SSA and Donor DNA Targeting Efficiency Evaluation Using RTA Systems through Transient ZFNs Expression and FACS Enrichment of Protoplasts” (a Discovery Park award — Birck Nanotechnology Center)

Lee, Seokcheon; industrial engineering, from Korean Environmental Industry and Technology Institute, $2,446, “Advanced GHG Emission Forecasting Model for Bottom-Up and Top-Down to Considering Technological Evolution.”

Lee, Seokcheon and Chun, Hyonho; industrial engineering, statistics, from Indiana Department of Transportation, $47,171, “Reliability Evaluation of Mechanically Stabilized Earth (MSE) Wall Straps.”

Lewis, Dwight E and Cooks, Robert G; graduate school administration, chemistry, from National Action Council Minorities in Graduate School Administration, chemistry, $12,500, “Purdue Sloan MPH Program of Exemplary Mentoring (PEM) Chemistry Program.”

Lister, Annette L and Ogata, Niwako; veterinary clinical science, from Bernice Barbour Foundation, $5,300, “The Purdue College of Veterinary Medicine Shelter Medicine Program.”

Liu, Sandra S; consumer science & retail, from Emory University, $20,588, “Patient-Centered Care: What Factors Drive Outcomes in Hospital Setting.”

Low, Philip S; chemistry, from Endocyte, Inc., $411,656, “Folate Chemo: Novel, Non-Toxic, Delivery of Hemotherapeutics.”

Lu, Chien-Tsung; aviation technology, from Shandong Nanshan Aluminum Co Ltd, $145,051, “Lu Nanshan Aero College.”

Lucier, Bradley J; Ben-Amotz, Dor and Buzzard, Gregory T; mathematics, chemistry, from Office of Naval Research, $50,000, “Digital Compressive Detection Spectroscopy: Theoretical Optimization and Experimental Implementation; Modification 2 for Grant 106405.”


Lumkes, John H; agricultural & biological engineering, from Michigan State University, $5,000, “Multifunction Mobile Utility Project for Food Security in Sub-Saharan Africa.”

Ma, Jianxin; agronomy, from Agricultural Alumni Seed Improvement Association Inc, $10,000, “Plant Genetics & Genomics Research.”

Madhavan, Krishna and Vorvoreanu, Mihaela; engineering education, computer graphics technology, from National Science Foundation, $24,999, “Pre-Classification Workflow and Analytics Engine for Proposals Directorate for Education and Human Resources (EHR).”

Mansfield, Charles W; agronomy, from Bayer Cropscience LP, $3,000, “Corn Research.”

Marais, Karen; aeronautical & astronautical engineering, from National Science Foundation, $408,025, “Faculty Early Career Development (CAREER): Accidental Knowledge: Using Accidents and Other Systems Engineering Failures to Inform Research and Education in Systems Engineering.”

Martinez, Carlos J; materials engineering, from PPG Industries, $60,178, “Encapsulation of Amine Catalysts in Rigid and Soft Capsules from Double Emulsions.”

Matson, Eric T; computer & information technology, from National IT Industry Promo Agency, $120,000, “NIPA Junior Capstone Program 2014.”

Mates, Richard D; foods & nutrition, from Purdue University, $43,820, “2013 Incentive Laboratory Equipment Program.”

Maylath, Nancy S; student health center, from Indiana State Department of Health, $85,000, “Indiana Campus Sexual Assault Primary Prevention Project.”

McKinley, Steven K; youth development & agricultural education, from Department of the Army, $89,650, “2014 Operation: Military Kids.”

McKinley, Steven K; youth development & agricultural education, from Kansas State University, $23,000, “Indiana 2014 4-H Military Club.”

McNamara, Kevin T; agricultural economics, from University of California — Davis, $5,469, “A Project for Strengthening Extension Skills of Young Professionals in Afghanistan and Pakistan.”
McNamara, Michael; visual & performing arts, from Kinley Trust, $19,600, “Elation ELATION Quad Strip Lighting Fixtures.”

Merwade, Venkatesh M; civil engineering, from Indiana Department of Transportation, $183,714, “Establishing Modeling Standards for Bridges and Culverts.”

Meyer, Scott E; mechanical engineering, from Central Italian Aerospace Research Center, $92,000, “MTP Breadboard Testing for CIRA.”

Mickelbart, Michael V; horticulture & landscape architecture, from Nutwadee Chintakovid, $500, “Chintakovid Bench Fees.”

Mott, John H; aviation technology, from Multi-Sponsored Industrials, $15,000, “Voluntary Support to Purdue University for the Advanced Aviation Analytics Institute for Research—Center of Research Excellence (A3IR-CORE).”

Muller, Kelsie J; field extension educators, from Benton Foundation, $4,000, “Parenting Piece by Piece.”

Murray, Michael D; pharmacy practice, from Regenstrief Institute for Health Care, $28,000, “Regenstrief Institute Data Core.”

Mutchler, Jane F; management — Calumet campus, from Multi-Sponsored Industrials, $3,000, “Northwest Indiana Small Business Development Center — IN Match Cash Match Support.”

Narimanov, Evgueni E; electrical & computer engineering, from University of California — Berkeley, $20,000, “Amendment No. 2 to Subagreement No. 00008073 An Optical Nanoscope for Imaging Beyond Diffraction Limit Grant 206419.”

Nie, Huiling and Byrne, Patrick J; health sciences, from University of Michigan, $17,250, “Development and Validation of a Neuron Activation Analysis System to Quantify Aluminum in Human Bone in Vivo.”

Nnanna, Agbai A; mechanical engineering — Calumet campus, from Indiana Department of Natural Resources, $50,000, “Occurrence of Emerging Contaminants in Lake Michigan and Sensory Development.”

Nnanna, Agbai A; Purdue Calumet Water Institute, from Indiana Department of Natural Resources, $50,000, “Mercury Reduction from Municipal Effluents Discharged into Lake Michigan.”

Nyenhuis, John A; electrical & computer engineering, from Zimmer Dental Inc., $2,000, “Zimmer Dental Statement of Work (SOW) 2.”

Ogas, Joseph P and Leung, Yuk Fai; biochemistry, biological sciences, from PHS-NIH National Cancer Institute, $193,324, “Determination of the Role of CHD5 Tumor Suppressor in the Zebrafish Model.”

Panitch, Alyssa; biomedical engineering, from Symic Biomedical, $12,355, “Evaluation of DS-SILY for Wound Healing.”

Park, Kinam and Cheng, Ji-Xin; biomedical engineering, from PBS-CDC Centers for Disease Control, $268,958, “Adaptable Polymer Micelles for Tumor Targeting.”

Patton, Aaron J; agronomy, from Dow Agro Sciences, $6,500, “Multi-Sponsored.”

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

Patton, Aaron J; agronomy, from Dow Agro Sciences, $21,500, “Multi-Sponsored.”

Peroulis, Dimitrios; electrical & computer engineering, from BAE Systems Advanced Technologies, Inc., $200,000, “Miniature Broadband Tunable Filters for EW Receivers; Modification 6.”

Peterson, John R; physics, from Large Synoptic Survey Telescope Corp, $110,000, “Large Synoptic Survey Telescope (LSST) Image Simulations.”

Pijanowski, Bryan C; Dolby, Nadine E; Ebert, David S; Morales, Carlos R; Nowack, Robert I; Shepardson, Daniel P and Thomas, Richard K; forestry & natural resources, curriculum & instruction, electrical & computer engineering, computer graphics technology, earth & atmospheric sciences, visual & performing arts, from Purdue University, $471,777, “A Big Data, Giant Screens and Open Ears Project (A Category 1 Proposal).” (a Discovery Park award — Center for the Environment)

Pinal, Rodolfo; industrial & physical pharmacy, from Multi-Sponsored Industrials, $35,000, “Center for Pharmaceutical Processing Research Consortium.”

Pipes, R Byron; materials engineering, from Multi-Sponsored Industrials, $50,000, “CDM Hub (Consortium).”

Powley, Terry L; psychological science, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, $522,967, “Autonomic Control of Body Weight and Feeding.”

Prokopy, Linda S; Goforth, Reuben R and Williams, Rod N; forestry & natural resources, from Indiana Department of Natural Resources, $75,128, “Outreach to Protect Mussels in the Tippecanoe River.”

Quagrainie, Kwamena K; agricultural economics, from Oregon State University, $525,037, “Aquaculture Production and Human Health, Nutrition, and Food Supply in Ghana and Tanzania.”

Raman, Arvind; engineering administration engineering experiment, from Colciencias, $924,724, “Colciencias-Fellowships 2014 Through 2018.”

Ratliff, Timothy L and Crist, Scott A; Cancer Research Center, comparative pathology, from National Institutes of Health, $147,147, “Use of Micro-RNA Arrays to Identify MDSC Functional Pathways and Markers.”

Rhoads, Jeffrey F and Chiu, George T; mechanical engineering, from Northeastern University, $70,000, “Portable, Integrated Microscale Sensors (PIMS) for Explosives Detection.”

Rogers, Marcus K; computer & information technology, from Intel Corporation, $25,000, “Teaching Matt for Secure Business Intelligence.”

Roy, Kaushik; electrical & computer engineering, from Semiconductor Research Corporation, $100,000, “Low Power Reliable STT-MRAMs: Magnetic Tunnel Junction (MTJ) Stacks, Bit-Cells & Architecture; Amendment 2, Grant 205736.”

Ruhl, Gail E; botany & plant pathology, from Indiana Professional Lawn Landscapers Association, $8, “Indiana Nursery and Landscape Association.”

Sadegh, Farshid; mechanical engineering, from Tecumseh Compressor Group, $85,000, “Tribology Lab Research.”


Saha, Shubin K; horticulture & landscape architecture, from Multi-Sponsored Industrials, $1,000, “Multi-Sponsored Gift Account.”

San Martin-Gonzalez, Maria F; Erk, Kendra A; Jones, Owen G; Liceaga, Andrea M; Narasimhan, Ganesan and Corvalan, Carlos M; food science, materials engineering, agricultural & biological engineering, from Purdue University, $78,350, “Magnetic Interfacial Shear Rheometer with Liquid-Liquid Langmuir Trough.”
Sands, Timothy D; Moghadam, Valentine M; Pawley, Alice L and Reed, Dorothy A; Office of the Provost, sociology, engineering education, education — administration, from National Science Foundation, $1,189, “Purdue Center for Faculty Success; Amendment 9 for Grant 103359.” (a Discovery Park award — Discovery Learning Center)

Scharf, Michael E; entomology, from Dow AgroSciences, $65,612, “Development of RNAi Termiticides.”

Sheehan, Amy H; pharmacy practice, from Johnson & Johnson LLC Ap, $85,900, “FDA/J&J/Purdue Pharmaceutical Regulatory Fellowship.”

Siciliano, Paul C; Brennan, Andrea N and Kalbaugh, Kirby K; horticulture & landscape architecture, from The Stanley Smith Horticultural Trust, $10,000, “Purdue Arboretum Scan, Link, and Learn Signage.”

Singh, Manpreet; food science, from Auburn University, $60,016, “Addressing Gaps Between Knowledge and Practice in Production and Distribution of Local and Regional Foods for a More Secure Food Supply Chain.”

Sivasankar, Preeti M; speech, language and hearing sciences, from Vanderbilt University, $24,195, “Molecular Pathophysiology of Acute Phonotrauma; Amendment 3, Grant 105167.”

Sloan, Mary Anne; Technical Assistance Program, from Indiana State Office of Rural Health, $72,751, “Lean Solutions for Meaningful Use and Patient Engagement.”

Sloan, Mary Anne; Technical Assistance Program, from Boone County Community Center, $30,000, “Partnership for a Quality Transformation for Boone County Community Clinic (BCCC).”

Sloan, Mary Anne; Technical Assistance Program, from Multi-Sponsored Industrials, $1,520, “Multi-Sponsor Account I-HITEC.”

Smith, Mjt; graduate school administration, from Interdisciplinary Assistantships, $14,246, “Grant, James.”

Smith, Mjt; graduate school administration, from American Society for Engineering Education, $119,875, “2013-14 Smart Fellowship.”

Snow, Lowell D; Technical Assistance Program, from Indiana Economic Development Corporation, $49,125, “IEDC SEF/Workforce 2.1 American Commercial Lines.”

Snow, Lowell D; Technical Assistance Program, from Indiana Economic Development Corporation, $29,375, “IEDC SEF/Workforce 2.1 Jasper Rubber Products, Inc.”

Snow, Lowell D; Technical Assistance Program, from Indiana Economic Development Corporation, $15,000, “IEDC SEF/Workforce 2.1 Citadel Plastics.”

Snow, Lowell D; Technical Assistance Program, from Indiana Economic Development Corporation, $16,000, “IEDC SEF/Workforce 2.1 Ridetech.”

Snow, Lowell D; Technical Assistance Program, from Indiana Economic Development Corporation, $16,375, “IEDC SEF/Workforce 2.1 Southeast Indiana Busines Corporation.”

Son, Steven F and Strachan, Alejandro H; mechanical engineering, materials engineering, from Office of Naval Research, $133,000, “Chemical Decomposition in High Energy Density Materials Induced by Coupled Acoustic and Electromagnetic Energy Insult; Modification 4 for Grant 105324.”

Son, Steven F; mechanical engineering, from Northeastern University, $65,000, “Small-Scale Characterization of Homemade Explosives (HMES).”

Song, Xiaohui C; academic technologies, from University of Illinois at Champaign-Urbana, $580,716, “XSEDE: Extreme Science and Engineering Discovery Environment.”

Spafford, Eugene H; computer science, from John Wiley & Sons Limited, $2,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

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

Strachan, Alejandro H and Bahr, David F; materials engineering, from Lilly Research Laboratories, $40,000, “Residual Stress Analysis in Injection Molded Polymers: Local Property Characterization and Molecular Simulations.” (a Discovery Park award — Birck Nanotechnology Center)

Strachan, Alejandro H and Son, Steven F; materials engineering, mechanical engineering, from Defense Threat Reduction Agency, $375,685, “Multi-Resolution Modeling and Experiments of Nanostructured Reactive Materials; Modification 5 for Grant 105025.”

Sturm, Jessica L; foreign language & literature, from Kinley Trust, $2,966, “Acquisition of Liaison in Intermediate L2 French Students.”

Suter, Daniel M and Raman, Arvind; biological sciences, mechanical engineering, from Purdue University, $323,873, “An Integrated AFM Platform for Cellular Dynamics and Mechanics.” (a Discovery Park award — Birck Nanotechnology Center)

Swihart, Robert K; forestry & natural resources, from Indiana Arborists Association, Inc., $3,750, “Indiana Arborists Association, Inc.”

Taheripour, Farzad; Hertel, Thomas W and Gopalakrishnan, Badri Narayanan; agricultural economics, from World Bank, $200,000, “Growth, Climate Change and the Role of Water in the South Asian Economy: a General Equilibrium Modeling Approach.”


Taylor, Lynne S; industrial & physical pharmacy, from Purdue University, $61,830, “Nanoparticle Tracking Analysis for Fundamental Investigations of Crystallization.”

Toscos, Tammy R; nursing — Fort Wayne campus, from Indiana University, $86,745, “Improving Healthcare Systems for Access to Care by Underserved Patients.”

Townsend, Wendy M; veterinary clinical science, from American Kennel Club Health Foundation, $74,070, “Identification of the Genetic Basis of Pigmentary Uveitis in Golden Retrievers.”

Tsai, Su-Jung; health sciences, from University of Michigan, $18,728, “Occupational Exposure to Nanomaterials Associated with the Use of Protective Clothing and Hood Containment.”

Tuinstra, Mitchell R; agronomy, from Targeted Growth Inc, $20,000, “CE 523 Field Trip to John Deere.”

Tzempelikos, Athanasios; civil engineering, from Lutron Electronics Co Inc, $25,000, “Architectural Engineering - Tzempelikos.”

Vacc, Andrea; agricultural & biological engineering, from Multi-Sponsored Industrials, $1,000, “Multi-Sponsored Gift.”

Varma, Amit H; civil engineering, from National Institute of Standards & Technology, $149,491, “Intergovernmental Personnel Assignment (IPA) for Selvarajah Ramesh.”
Vemulapalli, Ramesh; comparative pathobiology, from Colorado State University, $2,000, “Investigation of Japanese Encephalitis Virus in Mid-Hill and Mountain Districts of Nepal: a Climate Change Perspective; Amendment 2, Grant 106175.”

Vilensky, Joel A; medical education — Fort Wayne campus, from Indiana University, $440, “FY 2011-2014 Indiana University School of Medicine (IUSM) Fort Wayne Dr. Vilensky Research Savings.”

Viswanathan, Chandramouli and Zhou, Chenn Q; Center for Innovation through Visualization & Simulation, mechanical engineering — Calumet campus, from Indiana Department of Natural Resources, $28,552, “Educational 3-D Modules for the Indiana Beef Council, $1,500, “Beef Extension.”

Vitek, Jan and Petri, Gustavo; computer science, from Air Force Research Laboratory, $145,831, “Verified Compilation of Concurrent Managed Languages; Modification 3 for Grant 106652.”

Vyn, Tony J; agronomy, from Fluid Fertilizer Foundation, $14,000, “Agricultural Cropping Systems.”

Waddell, Jolena N; animal sciences, from Indiana Beef Council, $1,500, “Beef Extension.”

Wang, Haifeng; aeronautical & astronautical engineering, from American Chemical Society, $100,000, “Study of Detailed Molecular Transport in Laminar Flamelet and Turbulent Non-Premixed Combustion.”

Wang, Hong H; agricultural economics, from Michigan State University, $46,894, “Market Potentials for US Midwest Pork in China.”

Watts, Val J; medicinal chemistry & molecular pharmacology, from Purdue University, $5,432, “Development of a Receptor-Mediated B-Arrestin Signaling Assay Platform Using Biometric Flourescence Compemtation (BIFC) (Inc #2 for Fringes).”

West, Terry R; earth & atmospheric sciences, from Terry R. & Shirley West (Individual Donor), $100, “AEG Travel.”

Wilker, Jonathan J; chemistry, from Office of Naval Research, $35,354, “Biomimetic Design Principles for Underwater, Sustainable, and Modulus Tailored Adhesives; Modification 3 for Grant 106398.”

Winkler, Fabian and McMullen, Shannon C; visual & performing arts, from Kinley Trust, $3,400, “Request for Non-Laboratory Research Infrastructure and Equipment — Tier 1 Proposal.”

Wirth, Mary J; chemistry, from Li-Cor Biosciences, $52,025, “Electrophoresis of Proteins Detected by Antibody Binding.”

Wirth, Mary J; chemistry, from PHS-NIH National Institute of General Medical Science, $69,376, “Submicrometer Silica Particles for High-Throughput Separations of Protein Parmac.”

Wise, Kiersten A; botany & plant pathology, from Southern Illinois University, $11,039, “Identification and Biology of Seedling Pathogens of Soybean.”

Xu, Xianfan; mechanical engineering, from Advancement Storage Technology Consortium, $70,000, “Characterization of Optical Size and Efficiency of Near-Field Transducer Using Scattering Scanning Near-Field Microscopy.” (a Discovery Park award — Birck Nanotechnology Center)


Yao, Yuan; Bhunia, Arun K and Saha, Shubin K; food science, horticulture & landscape architecture, from National Institute of Food & Agriculture, $423,204, “Protective Surface Coating to Reduce Bacterial Load of Fresh and Fresh-Cut Produce: Cantaloupe as a Model.”

Youngblood, Jeffrey P; materials engineering, from Air Force Research Laboratory, $10,000, “A Colloidal Approach to Liquid Crystal Transflective Displays: Making Your E-Reader Color.”

Zhang, Xiangyu and Xu, Dongyan; computer science, from Defense Advanced Research Projects Agency, $348,035, “Safe, Reuse-Oriented Reverse Engineering of Functional Components from X86 Binaries; Modification 8.”

Zhou, Chenn Q and Wu, Bin; Center for Innovation through Visualization & Simulation, from NiSource Corporate Services Company, $18,019, “NIPSCO Bailly Generating Station Units 7 & 8 Selective Catalytic Reduction (SCR) Flow Evaluation and Optimization.”


Ziaie, Babak; electrical & computer engineering, from Indiana University School of Medicine, $79,988, “Progression of Diabetic Cystopathy in the Ossabaw Pig Using Long Term Wireless Ambulatory Bladder.” (a Discovery Park award — Birck Nanotechnology Center)

Zollner, Patrick A; forestry & natural resources, from Great Lakes Indian Fish Commission, $20,000, “Measuring and Simulating the Utility of a Dispersal Corridor for Martens Along the Gogebic Range.”


Notice Regarding Sponsored Program Awards

The Sponsored Program Awards list is generated by Sponsored Program Administration. Questions concerning the information contained in the Dimensions of Discovery Awards pages should be directed to Stephanie Willis at swillis@purdue.edu.