
Adams, Douglas E: mechanical engineering, from CACI International Inc, $168,500, “CACI Modification No 5 to Grant 105100.” (a Discovery Park award — Institute for Defense Initiatives)

Adeola, Olayiwola: animal sciences, from DSM Nutritional Products, Inc., $70,000, “Poultry Nutrition.”

Adeola, Olayiwola: animal sciences, from JBS United Inc, $20,000, “JBS United, Inc.”

Adeola, Olayiwola: animal sciences, from Danisco Animal Nutrition, $15,000, “Danisco.”

Agusdinata, Buyung; Merwade, Venkatesh M; Trapp, Robert J and Woods, Dwayne: aeronautical & astronautical engineering, civil engineering, earth & atmospheric sciences, political science, from Purdue University, $40,000, “Modeling Framework for Policy Development to Mitigate Drought Impacts in East Africa.”

Ajuwon, Kolapo and Adeola, Olayiwola: animal sciences, from Adisseo, $53,000, “Impact of Exogenous Non-Starch Carbohydrases and Phytase on Nutrient Digestibility, Gut Health and Integritiy in Broiler and Weanling Pigs.”

Aldridge, Linda R: field extension educators, from Indiana Department of Education, $1,300, “FIRST (For Inspiration and Recognition of Science and Technology) Robotics Program Support Huntington County.”

Alexeenko, Alina and Topp, Elizabeth M: aeronautical & astronautical engineering, industrial & physical pharmacy, from Abbott Laboratories, $80,000, “Purdue-Abbott Collaboration on Pharmaceutical Freeze-Drying.”

Anan, Muhammad T: electrical & computer engineering — Calumet campus, from iQ-Telematics, $32,112, “iQ-Gateway System Prototyping.”

Anderson, Joseph M: agronomy, from Suzanne M Cunningham, $125, “Indiana Arborists Association, Inc.”

Appenzeller, Joerg: electrical & computer engineering, from SUNY at Albany, $430,000, “Modification 5 Subaward #08-53 Project #1072537 Task #11 Award 47154.”

Applegate, Todd J: animal sciences, from JBS United Inc, $14,027, “Phytase in Poultry.”


Babaj, Anil K: mechanical engineering, from University of Notre Dame, $40,890, “Notre Dame Graduate Student Support.”


Bayley, William G: chemistry, from Annette M Maier, $1,000, “Product Lifecycle Management (PLM) Center of Excellence.”

Bigelow, Cale A: agronomy, from Agrotain International LLC, $4,250, “Putting Greens Research.”

Blaisdell, Gregory A: aeronautical & astronautical engineering, from National Aeronautics and Space Administration, $42,619, “Computations of Supersonic Jet Plumes and Impingement of Inclined Surfaces; Supplement 8 for Grant 104040.”

B𝕝*hاط* 소개의 차이를 알고 싶다면, 이를 위해 Cherng-Eng, Gregory A: civil engineering, from National Swimming Pool Foundation, $175,000, “Effects of UV-Based Treatment on Air and Water Chemistry in Chlorinated, Indoor Swimming Pool Facilities.”


Bowling, Laura C and Goforth, Reuben R: agronomy, forestry & natural resources, from Mary S Rice Farm Estate, $12,000, “Invasive Tree Removal at Throckmorton Purdue Agricultural Center.”

Braun, James E: mechanical engineering, from Ecotope Inc, $102,000, “Amendment No 1 - Performance Testing of Ductless Heat Pumps.”


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

Cannon, Jason R: health sciences, from PHS-NIH National Institute of Environmental Health Science, $249,000, “New Approaches to Gene-Environment Interaction Modeling in Parkinson’s Disease.”

Casteel, Shaun N: agronomy, from Mary S Rice Farm Estate, $9,000, “Expanding Precision of On-Farm Research.”

Casteel, Shaun N: agriculture, from University of Minnesota, $38,000, “Agronomic Maximization of Soybean Yield and Quality.”

Chakrabarti, Raj: chemical engineering, from Chakrabarti Foundation, $14,000, “Chakrabarti Foundation Voluntary Support.”

Chang, Fen-Lei; medical education — Fort Wayne campus, from Indiana University, $2,000, “FY 2011-2012 Indiana University School of Medicine (IUSM) Fort Wayne(IUF) Miscellaneous Expenses Fund.”

Chappell, William J; electrical & computer engineering, from Air Force Research Laboratory, $95,000, “Concurrent Multifunction Transmit and Receive Functionality in a Single Antenna Aperture; Modification 4.”

Chen, Weinong W; aeronautical & astronautical engineering, from Office of Naval Research, $100,000, “Ballistic Energy Dissipation through the Failure of Dynema; Modification 1 for Grant 105401.”

Chen, Weinong W; aeronautical & astronautical engineering, from Army Engineer Research & Development Center, $80,000, “Dynamic Mechanical Properties of Innovative Cementitious Materials Under Impact and Blast Loading; Modification 5 for Grant 104886.”

Cheng, Ji-Xin; biomedical engineering, from Indiana University Purdue University at Indianapolis, $8,800, “Support for Wei Wu.”

Christmon, Kenneth C; diversity & multicultural affairs — Fort Wayne campus, from Indiana Campus Compact, $1,000, “The Big Event.”

Cleveland, William S; Neville, Jennifer L and Ward, Mark D; statistics, computer science, from Ohio State University, $97,500, “Stochastic Control of Multi-Scale Networks: Modeling, Analysis, and Algorithms; Modification 5.”

Collodi, Paul and Wong, Ten-Tsao; animal sciences, from Trask Trust Fund, $46,870, “Large-Scale Production of Non-Fertile Fish for Aquaculture and the Pet Industry.”

Connor, Robert J and Bowman, Mark D; civil engineering, from Indiana Department of Transportation, $141,271, “Evaluation of Cracks on Sherman-Minton Bridge.”

Constable, Peter D; veterinary clinical science, from Magrane Pet Medical Center, $21,202, “Support for Ophthalmology Residency.”

Constable, Peter D; veterinary clinical science, from VCA Antech Inc, $8,937, “Radiology Residency Support.”

Constable, Peter D; veterinary clinical science, from VCA Antech Inc, $9,299, “Radiology Residency Support.”

Cooper, James A; electrical & computer engineering, from II-VI Foundation, $49,911, “II-VI Foundation Research Gift.”

Cosier, Richard A and Shively, Monica M; management, from Burton D Morgan Foundation, $150,000, “Interns for Entrepreneurship.” (a Discovery Park award — Discovery Learning Center)


Dark, Melissa J; technology — administration, from National Security Agency, $38,620, “Intergovernmental Personnel Assignment (IPA) Between Purdue and National Security Agency Associate Director of Education and Training (NSA/ADET), Center for Computer Network Operations (CNO), Cyber and Information Assurance for Melissa Darks Employment.”

Datta, Supriyo; electrical & computer engineering, from University of Michigan, $6,797, “High-Temperature Spin-Based Devices; Amendment 6.”

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

Doerge, Rebecca W; statistics, from Medicine Institute, Incorporated, $27,256, “Cook Medicine Institute.”

Donkin, Shawn S; animal sciences, from Zinpro Corporation, $180,000, “Biological Availability Impact of Organic Trace Mineral Formulations on Health and Productivity of Ruminant Animals.”

Donkin, Shawn S; animal sciences, from Zinpro Corporation, $15,000, “Ruminant Research.”

Duchateau, Martine; management — Calumet campus, from Multi-Sponsored Industries, $15,000, “Northwest Indiana Small Business Development Center 2012 - Ivy Tech Cash Match Support.”

Dyke, Shirley J; Sohn, Hoon; Adams, Douglas E; Aldrich, Daniel P; Hacker, Thomas J and Irfanoglu, Ayhan; mechanical engineering, civil engineering, mechanical science, computer & information technology, from Purdue University, $10,000, “Workshop Focusing on Global Policies for Infrastructure Monitoring & Management: A Paradigm Shift in Lifecycle Cost & Optimization of Resources.”

Ebert, David S; Collins, Timothy F and Jang, Yun; electrical & computer engineering, from U.S. Coast Guard, $88,893, “Coast Guard - Task Order Request for Proposal HSCG84-12-Q-X74.” (a Discovery Park award — Discovery Park Administration)

Ejeta, Gebisa; agriculture — administration, from International Maize & Wheat Improvement Center, $985,250, “U.S. Borlaug Fellows in Global Food Security: A Feed the Future (FTF) 21st Century Borlaug Leadership Program.” (a Discovery Park award — Sustainability)

El-Azab, Anter A; nuclear engineering, from Idaho National Laboratory, $120,058, “Uncertainty Analysis of Mesoscale Models of Radiation Effects in Materials.”

Emerson, John R; field extension educators, from LaGrange County REMC, $860, “Agricultural Science Education.”

Engel, Bernard A; Hahn, Leightonne and Theller, Lawrence O; agricultural & biological engineering, from Indiana State Chemist, from Montana Department of Agriculture, $24,750, “Driftwatch Region 8-Montana.”

Ericson, Karen L; chemistry — Fort Wayne campus, from Wyle Laboratories, $15,403, “Pyridoxic Acid Analysis PO T71686 Change Orders 5,6,7.”

Fernandez-Juricic, Esteban; biological sciences, from National Science Foundation, $115,000, “Understanding the Early Stages of Predator-Prey Interactions from a Visual Sensory Perspective.”

Ferruzzi, Mario; San Martin-Gonzalez, Maria F and Liceaga, Andrea M; food science, from Conserves France, $120,124, “Impact of Traditional and Novel Processing Methods on Quality of High Value Shelf Stable Fruit Products.”


Fisher, Timothy and Ruan, Xiulin; mechanical engineering, from Case Western Reserve University, $107,508, “Nanofabrication of Tunable 3-D Nanotube Architectures.” (a Discovery Park award — Birck Nanotechnology Center)

Fisher, Timothy; Murthy, Jayathi Y; Xu, Xianfan and Garmella, Suresh V; mechanical engineering, from Raytheon, $338,375, “Mod 8 Grant 103834 (Development of NanoThermal Interface Materials).” (a Discovery Park award — Birck Nanotechnology Center)
Fleet, James C and Snyder, Paul W; foods & nutrition, comparative pathobiology, from PHS-NIH National Cancer Institute, $149,636, "Inducible Colon-Specific Transgenic Mouse for Cancer Research."

Fleet, James C; foods & nutrition, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, $31,786, "Intestinal Calcium Absorption: Molecular Mechanism."

Forney, James D; biochemistry, from National Science Foundation, $231,589, "Research Experience for Undergraduates (REU) Site: Molecular and Biochemical Analysis of Proteins."

Freeman, Lynetta and Litster, Annette L; veterinary clinical science, from Petsmart Inc, $495,000, "Purdue Mobile Surgery Unit."

Fuchs, Philip L; chemistry, from John Wiley & Sons Limited England, $3,000, "E-Encyclopedia of Reagents for Organic Synthesis."

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, $30,000, "Cooling Technologies Research Center (CTRC) 2011 Membership."

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

Gentry, Marcia L; educational studies, from Jack Kent Cooke Foundation, $250,000, "Project Hope Plus."

Ghiselli, Richard F; hospitality & tourism, from Daydots, $4,500, "Hospitality & Tourism Management (HTM) Advisory Council."

Gibbs, Richard A; Hrycyna, Christine A and Konieczny, Stephen F; pharmacy — administration, chemistry, biological sciences, from Indiana University, $12,500, "Collaborative Pancreatic Cancer Working Group; Model for Transformative Science Using a Multi-Investigative Team Approach." (a Discovery Park award - Bindley Bioscience Center)

Gleich, David F; computer science, from Sandia National Laboratories, $51,764, "MapReduce Based Model Reduction Project."

Gloy, Brent A; agricultural economics, from University of California-Riverside, $13,232, "Reducing Losses to Potato and Tomato Late Blight by Monitoring Pathogen Populations, Improved Resistant Plants, Education, and Extension."

Hamaker, Bruce R; food science, from The Thailand Research Fund, $6,000, "La-Ongdao Wongekalak Bench Fee."

Harilal, Sivanandan and Hassanain, Ahmed; nuclear engineering, from PHS-NIH National Center for Research Resource, $164,615, "Development of Efficient Table-Top Laser-Produced Plasma Sources for Water-Window Microscopy — Grant 104278."

Hartman, Nathan W; computer graphics technology, from General Motors Foundation, $15,000, "Product Lifecycle Management (PLM) Center of Excellence."

Heeg, Marlene O; pharmacy practice, from Amylin Pharmaceuticals, Inc, $528,350, "Long-Acting Glucagon-Like Peptide-1 (GLP-1) Receptor Agonist Therapy: Improving Efficacy, Adherence, & Weight in Type 2 Diabetes Mellitus (T2DM): 2012 Americans with Disabilities Act (ADA) Symposium."

Heinz, Michael G; speech-language-hearing science, from National Institutes of Health, $816, "Kenneth Henry - 2011 NIH Kirschstein Post Doc Fellowship for 105746."

Heister, Stephen D and Fisher, Timothy; aeronautical & astronautical engineering, mechanical engineering, from Rolls-Royce, Inc., $200,000, "Thermal Management Testbed."

Hertel, Thomas W; agricultural economics, from Multi-Sponsored Industrials, $5,000, "Product Lifecycle Management (PLM) Center of Excellence."

Hertel, Thomas W; agricultural economics, from Multi-Sponsored Industrials, $44,300, "Global Trade Analysis Project (GTAP) Consortium - 2011."

Hertel, Thomas W; agricultural economics, from Multi-Sponsored Industrials, $44,300, "Global Trade Analysis Project (GTAP) Consortium - 2011."

Hibberd, Charles A; agriculture — administration, from Indiana Cooperative Development Center, $128,705, "2012 ICDC Support."

Hill, Catherine A and Watts, Val J; entomology, medicinal chemistry & molecular pharmacology, from Trask Trust Fund, $45,000, "New Chemical Entities for Insecticide Development."

Hong, Wei; foreign language & literature, from Chinese Language Council International, $94,265, "Confucius Institute at Purdue (2012 Funding)."

Hook, Tomas O; forestry & natural resources, from Electric Power Research Institute (EPRI), $49,180, "3rd Year Funding EP-P35005/C15903."

Hosking, Antony L; computer science, from Association Internationale Pour Les Technologies Objets, $1,000, "European Conference on Object-Oriented Programming (ECOOP) 2012 Conference."

Hosking, Antony L; computer science, from Association Internationale Pour Les Technologies Objets, $5,000, "European Conference on Object-Oriented Programming (ECOOP) 2012 Conference."

Howe, Katherine M; botany & plant pathology, from Multi-Sponsored Industrials, $30, "Katherine Howe Gift Fund."

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Howe, Katherine M; botany & plant pathology, from Multi-Sponsored Industrials, $30, "Katherine Howe Gift Fund."

Howe, Katherine M; botany & plant pathology, from Multi-Sponsored Industrials, $100, "Katherine Howe Gift Fund."

Howe, Katherine M; botany & plant pathology, from Multi-Sponsored Industrials, $20, "Katherine Howe Gift Fund."

Howe, Katherine M; botany & plant pathology, from Multi-Sponsored Industrials, $30, "Katherine Howe Gift Fund."

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Howe, Katherine M; botany & plant pathology, from Multi-Sponsored Industrials, $60, "Katherine Howe Gift Fund."
Howe, Katherine M; botany & plant pathology, from Multi-Sponsored Industrials, $100, “Katherine Howe Gift Fund.”

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

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

Hrycyna, Christine A; chemistry, from Alfred Mann Institute for Biomedical Development at Purdue (AMIPurdue), $22,534, “Hypophonia Therapy Device Superficial Femoral Artery (SFA).”

Huber, Jessica E and Jones, James T; speech, language & hearing sciences, biomedical engineering, from Alfred Mann Institute for Biomedical Development at Purdue (AMIPurdue), $12,000, “Research on Protein & Enzyme Mechanisms.”

Hutcheson, John S; Office of Engagement, from Mississippi State University, $39,400, “Stronger Economies Together (SET).”

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

Ivantysynova, Monika; agricultural & biological engineering, from Eaton, $850, “Maha Fluid Power Teaching and Research Laboratory.”

Jesiek, Brent K and Woo, Sang Eun; engineering education, psychological science, from National Science Foundation, $235,100, “Global Engineering Competency: Definitions, Development Paths, and Situational Assessment.”


Jiao, Dan; electrical & computer engineering, from National Science Foundation, $88,494, “Faculty Early Career Development (CAREER): From O (N) to O (M): Scalable Algorithms for Large Scale Electromagnetics-Based Analysis and Design; Amendment 5 to Grant 102948.”
Dimensions of Discovery

Purdue University Sponsored Program Awards — February 2012

Jones, Yava I.; comparative pathobiology, from Indiana University Purdue University at Indianapolis, $1,000, “Diabetic Retinopathy is Osabaw Swine.”


Kenttamaa, Hilkka I.; chemistry, from ConocoPhillips, $50,000, “Purdue and ConocoPhillips Characterization of Oil Samples.”

Kenttamaa, Hilkka I.; chemistry, from National Science Foundation, $240,000, “Tuning the Reactivity of Ortho-, Meta- and Para- Benzyne Analogs and Releated Polyradicals in the Gas Phase.”

Kim, Chang H.; Andrisani, Ourania M; and HogenEsch, Harm; comparative pathobiology, basic medical science, veterinary medicine — administration, from PHS-NIH National Institute of Allergy and Infectious Diseases, $327,491, “FoxP3+ T Cells of Mucosal Tissues.”

Kirkpatrick, Jane M; Aaltonen, Pamela M; Coddington, Jennifer A and Oneil, Elizabeth A; nursing, from PHS-NIH National Center for Health Resources and Services Administration, $59,791, “North Central Nursing Clinics (NCNO) — Grant No. 105206.”

Klimeck, Gerhard; electrical & computer engineering, from University of Wisconsin, $17,920, “Solid State Quantum Computing Using Spin Qubits in Silicon Quantum Dots; Amendment 5.”

Klimeck, Gerhard; electrical & computer engineering, from Semiconductor Research Corporation, $100,000, “Amendment No 1 to Agreement 11086986.” (a Discovery Park award — Network for Computational Nanotechnology)

Kluender, Keith R; speech, language & hearing sciences, from Indiana Lions Speech and Hearing Inc., $2,000, “Clinical Support for Speech-Language-Audiology Services from the Indiana Lions Club.”

Kong, Nan; biomedical engineering, from University of Pittsburgh, $15,000, “Stochastic Pseudo-Boolean Programming; Amendment 3.”

Kranz, Sibylle; foods & nutrition, from Kellogg Company, $50,000, “Kranz Kellogg.”

Krupke, Christian H; entomology, from Laspaun, $25,580, “Fellowship for Mitzy Porras.”

Landry, Steven J; industrial engineering, from Yum! Brands, $9,115, “Ideal Utility Project.”

Leonard, Laurence B; speech, language & hearing sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, $476,540, “Input Sources of Grammatical Deficits in Specific Language Impairment.”

Liu, Xiaojing; Cancer Research Center, from National Science Foundation, $190,000, “PIK1 in DNA Replication - Amendment 1 to Grant No 105220.”

Lowenberg-Deboer, James M; International Programs in Agriculture, from Weidemann Associates Inc, $45,000, “Capacity Building and Business Planning for an Organic Farmers Association: Turrialba Organic Producers Association (APOT) and the Cabecar Indigenous Community of Costa Rica.”


Luo, Zhao-Qing; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, $111,207, “Modulation of Host Vesicle Trafficking by Legionella Pneumophila.”

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

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

Lynam, Donald R; psychological science, from University of Kentucky Research Foundation, $80,047, “CDART- Center for Drug Abuse Research Translation.”

Manca Deleon, Alejandra J; computer & information technology, from Johns Hopkins University, $37,900, “Research Initiation Grant: Integrating Computation into the Materials Science and Engineering Core.”

Mao, Chengde; chemistry, from Arizona State University, $88,889, “DNA Based Three-Dimensional Nanofabrication; Amendment 5.”

Marsh, Dawn G and Cooper, Harold K; history, anthropology, from Indiana Humanities, $2,000, “Symposium: Wiping Away the Tears: the Battle of Tippecanoe in History and Memory.”

Mason, Linda J; graduate school administration, from Innophos Inc, $5,443, “Urban and Industrial Pest Management Research.”

Mauer, Lisa J; food science, from Purdue Doctoral Program, $17,161, “Lipasek, Rebecca A.”

McDaniel, Rebecca A; nursing, from Edward C Levy Co, $1,100, “JTRP Supplementary Research Account.”

Michler, Richard and Pijanowski, Bryan C; forestry & natural resources, from Hoosier Energy, $126,269, “The Use of Populus Plantings for Leachate Absorption and Acoustic Abatement.”

Michler, Charles H; forestry & natural resources, from North Carolina State University, $5,249, “Center for Advanced Forestry Systems-NCSU.”

Motevalli, Vahid; mechanical engineering technology, from Multi-Sponsored Industrials, $50,000, “CTD- Consortium Membership.”

Nielsen, Robert L and Camberato, James J; agronomy, from Mary S Rice Farm Estate, $7,839, “Acquisition of a Continuously Operating Reference Stations (CORS) Based Real-Time Kinematic (RTK) Receiver for Use with Field-Scale Research at PACs and on-Farm Trials.”

Nyenhuis, John A; electrical & computer engineering, from Zimmer, $6,640, “CLS Brevis Stem System Testing.”

Oakes, William C; engineering education, from Multi-Sponsored Industrials, $1,260, “Engineering Projects in Community Service (EPICS).”

Oakes, William C; engineering education, from Multi-Sponsored Industrials, $1,070, “Engineering Projects in Community Service (EPICS).”

Oakes, William C; engineering education, from Multi-Sponsored Industrials, $1,260, “Engineering Projects in Community Service (EPICS).”

Oakes, William C; engineering education, from Multi-Sponsored Industrials, $1,973, “Engineering Projects in Community Service (EPICS).”

Oakes, William C; engineering education, from Multi-Sponsored Industrials, $250, “Engineering Projects in Community Service (EPICS).”
O’Connell, Kathleen L; health & human services — Fort Wayne campus, from Indiana State Department of Health, $8,160, “Empowered (State Partnership Grant) 2011-2012.”

Ohland, Matthew W; engineering education, from San Diego University, $32,822, “Understanding Diverse Pathways: Disciplinary Trajectories of Engineering Students.”

Ohm, Herbert W; agronomy, from Multi-Sponsored Industrials, $35,000, “Partnership for Research and Education in Plant Breeding and Genetics at Purdue University — Memo Match.”

Olek, Jan and Jain, Jitendra; civil engineering, from Solida Technologies, $20,085, “Characterization of Hydrate-Free Mortars and Concretes.”

Otto, Kevin J and Panitch, Alyssa; biomedical engineering, from Defense Advanced Research Projects Agency, $136,210, “Normal and Accelerated Failure Assessment of New Quantitative In Vitro and In Vivo Neural Interfaces; Modification 2 for Grant 105205.”

Ouzzani, Mourad; horticulture & landscape architecture, from Donald Danforth Plant Science Center, $57,895, “Genome-Enabled Plant Research (GEPR): Mineral Nutrient Gene Discovery and Gene X Environment Interactions Using the Nested Association Mapping Population in Maize.” (a Discovery Park award — Cyber Center)

Paladino, Frank V; biology — Fort Wayne campus, from Earthwatch, $97,580, “Costa Rican Sea Turtles 2011-2012.”

Park, Johnny and Kak, Avinash C; electrical & computer engineering, from Sierra Nevada Corporation, $50,000, “Multi-Modal Multi-Sensor Information Processing for Wide Area Surveillance.”

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

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

Patton, Aaron J; Bigelow, Cale A and Jiang, Yiwei; agronomy, from Midwest Regional Turf Foundation, $24,600, “Midwest Regional Turf Foundation.”

Patton, Aaron J; agronomy, from Dow Agro Sciences, $8,000, “Multi Sponsored.”

Peeta, Srinivas and ‘Tyner, Wallace E; civil engineering, agricultural economics, from Purdue University, $40,000, “Policymaking Considering Interdependent Transportation & Energy Infrastructure Systems in the US: An Economic General Equilibrium Approach.”

Peroulis, Dimitrios; electrical & computer engineering, from Massachusetts Institute of Technology Lincoln Lab, $145,000, “High-Q High-Isolation Tunable Radio Frequency (RF) Microelectromechanical System (MEMS) Filters in the 1-6 Ghz Band.” (a Discovery Park award — Birck Nanotechnology Center)

Peroulis, Dimitrios; electrical & computer engineering, from Laserlith Corp, $42,340, “Low-Cost Radio Frequency (RF) Microelectromechanical System (MEMS) Relays.” (a Discovery Park award — Birck Nanotechnology Center)

Peroulis, Dimitrios; electrical & computer engineering, from National Science Foundation, $80,000, “Faculty Early Career Development (CAREER): Liquid Radio Frequency Electronics; Amendment 6 - Grant 102947.” (a Discovery Park award — Birck Nanotechnology Center)

Pizlo, Zygmunt; psychological science, from Sandia National Laboratories, $70,000, “Support from Sandia.”


Rayburn, Rachel L; public environmental affairs - Fort Wayne campus, from Indiana Campus Compact, $1,184, “Community Listening: Homelessness in Fort Wayne.”

Restrepo, Maria H; field extension educators, from Mary S Rice Farm Estate, $5,000, “Organic Tomato Variety Trial.”


Roy, Kaushik; electrical & computer engineering, from eZex Corp Ltd, $182,553, “Project with eZex.”

Roy, Kaushik; electrical & computer engineering, from The Boeing Company, $103,835, “Support of IRIS.”

Ruan, Xiulin; mechanical engineering, from National Science Foundation, $400,000, “Faculty Early Career Development (CAREER): First Principles-Enabled Prediction of Thermal Conductivity and Radiative Properties of Solids.”

Sadeghi, Farshid; mechanical engineering, from Tecumseh Compressor Group, $45,000, “Tribology Lab Research.”

Sands, Timothy D and Shakouri, Ali; electrical & computer engineering, from University of California - Santa Cruz, $100,000, “Nanostructured Metal/Semiconductor Materials for Thermoelectric Generators.” (a Discovery Park award — Birck Nanotechnology Center)

Savikhin, Sergei F; physics, from National Science Foundation, $134,244, “Research Experience for Undergraduates (REU) Site: Multidisciplinary Physics at Purdue University.”

Scachitti, Susan M; engineering technology — Calumet campus, from Veterans Affairs, Department of, $18,800, “Yellow Belt Training for the Department of Veterans Affairs Indefinite Delivery/Indefinite Quantity (IDIQ).”

Scharf, Michael E; entomology, from Chesapeake Perl, Inc., $40,822, “Amendment to Grant 105161.”

Schmidt, Edie K; industrial technology, from Tru-Flex LLC, $20,000, “True Flex.”

Schoenlein, William E and Van Alstine, William G; biomedical engineering, comparative pathobiology, from Medical Engineering & Development Institute Inc., $43,643, “Enteric Device Testing: Study CE-HSPG Addendum to Grant No 22362.”

Schoonmaker, Jon; animal sciences, from DSM Nutritional Products, Inc., $48,000, “DSM Nutritional Products, Inc.”

Seidl, Amanda H; speech, language & hearing sciences, from Educational Research Institute of America (ERIA), $240, “Brigance Norming Testing.”

Shakouri, Ali and Wu, Yue; electrical & computer engineering, chemical engineering, from The Kaiteki Institute Inc, $120,000, “High Performance Nanostructured Heterogeneous Thermoelectric Materials.” (a Discovery Park award — Birck Nanotechnology Center)

Shalaev, Vladimir M and Boltasseva, Alexandra; electrical & computer engineering, from Stanford University, $45,000, “Integrated Hybrid Nanophotonic Circuits.” (a Discovery Park award — Birck Nanotechnology Center)

Shaver, Gregory M; mechanical engineering, from U.S. Department of Energy, $42,500, “Hoosier Heavy Hybrid Center of Excellence (H3CoE); Modification 3 for Grant 105726.”
Shi, Riyi; basic medical science, from Trask Trust Fund, $36,779, “Optimization of Hydralazine and Phenelzine Therapies as Anti-Acrolein Regimens for Multiple Sclerosis.”

Shi, Riyi and Smith, Daniel T; basic medical science, industrial & physical pharmacy, from PHS-NIH National Institute Neurological Disorders and Stroke, $350,376, “Role of Acrolein in Spinal Cord Injury.”

Shin, Yung C; mechanical engineering, from The Boeing Company, $123,157, “PO to Agreement 11121343 Laser Assisted Hybrid Milling of Titanium Alloy.”

Shipsey, Ian P; Bortoletto, Daniela; Barnes, Virgil E; Cui, Wei K; Finley, John P; Jones, Timothy M; Neumeister, Norbert; Clark, Thomas E; Fischbach, Ephraim; Khlebnikov, Sergei; Love, Sherwin T; Peterson, John R; Kruczenski, Luis M; Garfinkel, Arthur F and Miller, David H; physics, from U.S. Department of Energy, $735,000, “An Experimental and Theoretical High Energy Physics Program.”

Siskind, Jeffrey M; electrical & computer engineering, from Army Research Laboratory, $621,522, “Robust and Principled Visual Intelligence; Amendment 5 for Grant 104743.”

Skrynnikov, Nikolai R; chemistry, from National Science Foundation, $446,165, “Division of Molecular and Cellular Biosciences (MCB): Investigator-Initiated Research Projects.”

Smith, Anne; Weber-Fox, Christine M; Goffman, Lisa A and Zelaznik, Howard N; speech, language & hearing sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, $738,424, “Physiological Correlates of Stuttering.”

Smith, Daniel W; philosophy, from American University of Beirut, $23,000, “Deleuzes Political Philosophy.”

Smith, Richard S; food science, from Hindsdale Farms Ltd, $2,000, “Sensory Evaluation Research.”

Smith, Richard S; food science, from Hindsdale Farms Ltd, $1,000, “Sensory Evaluation Research.”

Smith, Richard S; food science, from Hindsdale Farms Ltd, $2,000, “Sensory Evaluation Research.”

Smith, Richard S; food science, from Hindsdale Farms Ltd, $2,000, “Sensory Evaluation Research.”

Smith, Richard S; food science, from The Coca Cola Company, $6,000, “Aseptic Fruit Juices.”

Smith, Richard S; food science, from Hindsdale Farms Ltd, $2,000, “Sensory Evaluation Research.”

Smith, Richard S; food science, from Hindsdale Farms Ltd, $2,000, “Sensory Evaluation Research.”

Smith, Richard S; food science, from Hindsdale Farms Ltd, $1,000, “Sensory Evaluation Research.”

Son, Steven F; Groven, Lori J and Strachan, Alejandro H; mechanical engineering, materials engineering, from Office of Naval Research, $266,100, “Chemical Decomposition in High Energy Density Materials Induced by Coupled Acoustic and Electromagnetic Energy Insult; Modification 2.”

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.”

Stantz, Keith M; health sciences, from Indiana University, $4,129, “Amendment No 1 to 10120681.”


Strobel, Johannes; engineering education, from University of St Thomas, $6,000, “Certificate/Concentration in Engineering for P-12 Educators.”

Tao, Bernard Y and Umulis, David M; agricultural & biological engineering, from Indiana Soybean Alliance, $21,601, “Updating Soybean Biodiesel Chemistry Kit.”

Troy, Cary D and Hook, Tomas O; civil engineering, forestry & natural resources, from Great Lakes Fishery Commission, $217,636, “Development of Annual Indices of Physical Processes and Relation to Annual Indices of Fish Recruitment in Lake Michigan.”

Trumble, Kevin P; materials engineering, from Trask Trust Fund, $26,533, “Reducing to Practice the Proposed Invitation, Copper-Based Alloys and Process for Producing the Same.”

Tseng, Charles C; electrical & computer engineering — Calumet campus, from Indiana University, $29,658, “Shoring Up Science, Technology, Engineering & Mathematics (STEM) Education in Lake County.”

Turco, Ronald F; agronomy, from Washington State University, $179,182, “Greenhouse Gas Emissions and Soil Quality in Long-Term Integrated and Transitional Reduced Tillage Organic Systems.”

Tyner, Wallace E and Taherpour, Farzad; agricultural economics, from National Bioenergy Board, $48,869, “A Proposal to Modify the Land Cover Segment of the Land Supply Tree of GTAP-BIO-ADV (Global Trade Analysis Project – Biofuels – Advanced) Model.”


Van Fleet, Mark I; International Programs, from Tratopsphere Quality, $2,500, “China Strategy Development.”

Varma, Amit H; civil engineering, from URS Corporation, Inc., $1,001,000, “Experimental Evaluation of Steel-Concrete (SC) Wall and Anchorage Design for Nuclear Power Plants.”

Varma, Arvind and Martinez-Saenz, Enrico; chemical engineering, from Purdue University, $10,000, “US-Mexico Workshop on Sustainable Biofuels Production.”

Villoria, Nelson B; Hertel, Thomas W; Niyogi, Devdutta S and Zhang, Hao; agricultural economics, agronomy, statistics, from Purdue University, $40,000, “Global Food Price Volatility & Climate Change Understanding Policy Operatins & Their Trade Offs.”

Vitek, Jan; computer science, from Google Inc, $52,411, “Google: High- Assurance Javascript.”

Vyn, Tony J; agronomy, from Fluid Fertilizer Foundation, $10,250, “Agricultural Cropping Systems.”

Wahlman, Joel R; Biehle, Donald J; Camberato, James J; Nielsen, Robert L; Kladiyko, Eileen J; Casteel, Shaun N; Wise, Kiersten A and Osborne, David A; Southeast-Purdue Agricultural Center, agronomy, botany & plant pathology, field extension educators, from Mary S Rice Farm Estate, $6,000, “Trimble Yield Monitoring System.”
Walker, William S; Sorge, Brandon and Hicks, Jennifer L; Office of Engagement, from Eli Lilly and Company Foundation, $120,000, “Indiana Science Initiative Multi-Site/User Database.”

Weaver, Connie M; foods & nutrition, from Mount Sinai School of Medicine, $46,546, “Protective Roles of Grape Derived Polyphenols in Alzheimer’s Disease (Core A).”

Weaver, Connie M; foods & nutrition, from Kraft Foods Global, Inc, $75, “Corporate Affiliates Fund.”

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

Weaver, Connie M; Ferruzzi, Mario and Janle, Elsa M; foods & nutrition, food science, from Mount Sinai School of Medicine, $234,613, “Protective Roles of Grape-Derived Polyphenols in Alzheimer’s Disease (Core B).”

Weaver, Connie M; foods & nutrition, from Food & Nutrition Science Solutions, $10,000, “Joint Task Force on Food and Nutrition Science Solutions.”

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

Weaver, Connie M; foods & nutrition, from Kraft Foods Global, Inc, $100,000, “Kraft Foods Calcium Intake & Vascular Function.”

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

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

Weaver, Connie M; foods & nutrition, from Kraft Foods Global, Inc, $75, “Corporate Affiliates Fund.”

Weiss, William J; civil engineering, from Indiana Department of Transportation, $95,000, “Evaluation of Test Methods for Permeability (Transport) and Development of Performance Guidelines for Durability — SPR 3280.”

Whitford, Fred; botany & plant pathology, from Professional Landcare Network Inc, $250, “Purdue Pesticide Programs.”

Wise, Kiersten A; botany & plant pathology, from Virginia Polytechnic Institute & State University, $12,500, “Integrated Management of Oomycete Diseases of Soybean and Other Crop Plants.”

Wise, Kiersten A; botany & plant pathology, from E.I. du Pont de Nemours and Company, $12,000, “Purchase of 2012 Ford F-350 XLT Crew Cab 4x4 Diesel for Hauling Research Equipment.”

Xu, Dongyan; computer science, from TT Government Solutions Inc., $31,420, “Modification No 2 of Subcontract 20015133 - TT Government Solutions, Inc.”

Ye, Peide; electrical & computer engineering, from Individual Donors, $34,900, “Scientific Research Voluntary Support.”

Yeo, Yoon; industrial & physical pharmacy, from Trask Trust Fund, $45,000, “Development of Membrane Filters for Endotoxin Removal.”

Yeo, Yoon; industrial & physical pharmacy, from Embassy of the Arab Republic of Egypt, $13,903, “Fellowship for Sara Abouelmagd.”

Zhang, Haiyan H; mechanical engineering technology, from Allison Transmission, $44,634, “Allison-Purdue Projects: Allison 4000 Series Modeling for Software in Loop (SIL).”

Zhang, Hao; statistics, from International Plant Nutrition Institute, $10,000, “International Plant Nutrition Institute.”

Zhang, Xiangyu and Xu, Dongyan; computer science, from TT Government Solutions Inc., $125,000, “Extracting Functional Components from x86 Binaries.”

Zhao, Fu; Steinbüks, Jevgenijs; Handwerk, Carol A and Xiang, Chong; mechanical engineering, agricultural economics, materials engineering, department of economics, from Purdue University, $39,858, “Economic & Environmental Consequences of Widespread Deployment of Solar Photovoltaics: A Computational Approach.”

Zhao, Fu and Sutherland, John W; mechanical engineering, environmental & ecological engineering, from General Dynamics-Ordnance & Tactical Systems, $5,785, “Development of a Unit Process Life Cycle Inventory for Forging Processes.”

Zhou, Chenn Q; Center for Innovation thru Visual & Simulation, from NiSource Corporate Services Company, $10,000, “Model Demonstrating the Flow Characteristics of a Steam Cycle.”

Zhou, Chenn Q; mechanical engineering — Calumet campus, from U.S. Department of Energy, $3,797,901, “The Center for Computational Simulation and Visualization Project; Modification 2.”

Zwier, Timothy S; chemistry, from National Aeronautics and Space Administration, $150,000, “Laboratory Studies of Photochemical, Photoisomerization, and Discharge-Driven Pathways to Fused-Ring; Supplement 2 for Grant 104271.”