Abel, Steven R; pharmacy practice, from R.L. Roudebush Veterans Administration Medical Center, $46,921, “IPA for Kimberly Ward.”


Adams, Douglas E; mechanical engineering, from CACI International Inc, $351,000, “Modification 1 for Coeus 11044675 (Not Yet Awarded).”

Adeola, Olayiwola; animal sciences, from Danisco Animal Nutrition, $77,000, “Danisco.”

Ajiwon, Kolapo; animal sciences, from Danisco Animal Nutrition, $6,600, “Research Gift Funds.”

Aliaga, Daniel G; computer science, from Google Inc, $70,000, “Google Gift Letter - Aliaga.”

Aliaga, Daniel G and Benes, Bedrich; computer science, computer graphics technology, from University of California - Berkeley, $285,000, “Urban Simulation Visualization for Metropolitan Transportation Commission (MTC) / Association of Bay Area Governments (ABAG).”

Applegate, Todd J; animal sciences, from JBS United Inc, $10,000, “Pythase in Poultry.”

Applegate, Todd J and Cheng, Heng-Wei; animal sciences, from Agricultural Research Service, $13,855, “Pain and Beak Trimming in Laying Hens - BZ.”


Banks, Margaret K; Pekarek, Steven D and Porterfield, D. M; civil engineering, electrical & computer engineering, agricultural & biologic engineering, from Environmental Protection Agency, $228,834, “Development of Mobile Self-Powered Sensors for Potable Water Distribution.” (a Discovery Park award — Bindley Bioscience Center)

Barton, Erik S; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, $326, “Interferon Alpha Regulation of Murine.”

Bertino, Elisa and Kulatunga, N A; computer science, electrical & computer engineering technology, from Sypris Electronics, $150,612, “Cryptographic Key Management System (CKMS).”

Bickham, John W; forestry & natural resources, from North Slope Borough, $100,000, “The Bowhead Whale Genome Project.” (a Discovery Park award — Center for the Environment)

Bigelow, Cale A; agronomy, from Agrotain International LLC, $7,200, “Putting Greens Research.”

Bigelow, Cale A; agronomy, from Agrotain International LLC, $2,000, “Putting Greens Research.”

Borch, Richard F; medicinal chemistry & molecular pharmacology, from American Chemical Society, $2,000, “ACS Division of Medicinal Chemistry Pre-Doctoral Fellowship.”


Brightman, Andrew O; biomedical engineering, from Indiana University School of Medicine, $13,962, “Joint Ph.D Program for Graduate Support - Henry Chen.”

Bullock, Darcy M; civil engineering, from Marshall University, $267,460, “Morgantown, WV ACS-Lite Evaluation.”

Bullock, Darcy M; civil engineering, from Indiana Department of Transportation, $100,000, “Fast Track and Implementation Studies - SPR-3134.”

Bullock, Darcy M; civil engineering, from Indiana Department of Transportation, $75,983, “Evaluation of Alternative to Sound Barrier Walls SPR-3555.”

Byrn, Stephen R; industrial & physical pharmacy, from Science Applications International Corp, $40,000, “Study to Support Formulation of a Small Molecule with Therapeutic Potential for Spinal Muscular Atrophy.”

Casteel, Shaun N; agronomy, from Mary S. Rice Farm Estate, $10,000, “Crop Sensing Applications in Soybean and Wheat Production.”

Chandrasekar, Srinivasan and Mann, James B; industrial engineering, from Diamond Innovations, $122,667, “Performance of Cubic Boron Nitride in Modulation Assisted Machining of Compacted Graphite Iron.”

Chappell, William J; electrical & computer engineering, from Air Force Research Laboratory, $20,000, “Concurrent Multifunction Transmit and Receive Functionality in a Singel Antenna Aperture Modification 1.”

Chappell, William J; electrical & computer engineering, from Air Force Research Laboratory, $55,000, “Concurrent Multifunction Transmit and Receive Functionality in a Single Antenna Aperture Modification 2.”

Chen, Zhixiang; botany & plant pathology, from National Science Foundation, $6,000, “REU Supplement—Plant Innate Immunity Against Necrotrophic Pathogens.”

Chester, Julia A and Barker, Eric L; psychological science, medicinal chemistry & molecular pharmacology, from PHS-NIH National Institute on Aging, $205,875, “Anxiety in a Genetic Animal Model of Alcoholism: Role of Endocannabinoids.”

Christ, Sharon L; child development & family studies, from University of Miami (Florida), $20,000, “Ocular and Health Trajectories: the SEE Study.”

Christ, Sharon L; child development & family studies, from Kinley Trust, $20,000, “Impacts of Child Maltreatment on Adolescent Development.”

Christian, John A; comparative pathobiology, from Wyeth Ayerst Pharmaceuticals, $1,100, “Cytology Resource Center.”

Cleveland, William S; Neville, Jennifer L and Ward, Mark D; statistics, computer science, from Ohio State University, $147,833, “Stochastic Control of Multi-Scale Networks: Modeling, Analysis, and Algorithms Modification 4.”
Conners, Susan E; Couetil, Laurent L; Furdek, Jonathan M and Preston, Gregory; marketing, human resources & management - Calumet campus, veterinary clinical science, finance & economics - Calumet campus, agricultural statistics, from Multi-Sponsored Industrials, $38,000, “Equine Survey Project.”

Connor, Robert J; Mueller, Joseph; Sherman, Ryan J and McCullough, Bobby G; civil engineering, from Indiana Department of Transportation, $69,927, “Development and Verification of Web-Based Bridge Monitoring Interface.”

Connor, Robert J; civil engineering, from Indiana Department of Transportation, $22,300, “Evaluation of Cracks on Sherman-Minton Bridge.”

Constable, Peter D; veterinary clinical science, from Circle City Veterinary Specialty and Emergency Hospital, LLC, $3,000, “Small Animal Medicine Residency Support.”


DeWoody, J. Andrew and Marra, Nicholas J; forestry & natural resources, from National Science Foundation, $15,000, “Dissertation Research: Expression and Evolution of Genes Underlying Water Retention in Heteromyid Rodents from Xeric and Mesic Environments.”

Dobbs, Craig L; Snyder, Lori J and Wise, Kiersten A; agricultural economics, agronomy, botany & plant pathology, from Mary S. Rice Farm Estate, $10,000, “Economic Evaluation of Changes to Indiana Crop Production Systems.”

Doerge, Rebecca W; statistics, from Medicine Institute, Incorporated, $40,913, “Cook Medicine Institute.”

Donkin, Shawn S; animal sciences, from Archer Daniels Midland Co, $54,400, “Feeding Behaviors of Dairy Cattle Associated with Physical Form of Dietary Fat.”

Edwards, Nancy E; nursing, from PHS-NIH National Center for Health Resources and Services Administration, $273, “Rural Advanced Practice Nursing: Post BSN to MS/DNP.”

Egel, Daniel S; botany & plant pathology, from Mary S. Rice Farm Estate, $5,000, “Irrigation Well for Use in High Tunnel Research.”

Ejeta, Gebisa; agronomy, from University of Nebraska-Lincoln, $105,000, “Breeding Sorghum for Improved Resistance to Striga and Drought.”

Ejeta, Gebisa; agronomy, from University of Nebraska-Lincoln, $100,000, “Biotechnological Approaches to Genetic Analyses and Exploitation of Striga Resistance in Crop Plants.”

Elicker, James G; child development & family studies, from Indiana Association for Child Care Resource & Referral, $24,996, “Paths to Quality Statewide Parent Survey.”


Cumberland, Donna D; Rosen Center for Advanced Computing, from Internet2, $18,000, “CI Days.”


Depew, Elizabeth H; purchasing - North Central campus, from Indiana Department of Transportation, $4,000, “CMAQ Grant Agreement for Purchase of Alternative Fuel; Eds#: A249-11-320205; Des 1005934.”


Ejeta, Gebisa; agronomy, from University of Nebraska-Lincoln, $100,000, “Breeding Sorghum for Improved Resistance to Striga and Drought.”

Federer, Natalie L; field extension educators, from Fulton County REMC Operation Roundup, $2,000, “School Enrichment Programs.”

Ferris, Jonathan C; field extension educators, from Whitewater Valley REMC Community Trust, Inc, $500, “For Inspiration and Recognition of Science and Technology (FIRST) First Robotics Competition (FRC) Team.”

Ferruzzi, Mario; food science, from Washington University, $23,000, “Improving Cassava for Nutrition, Health and Sustainable Development.”

Field, William E; agricultural & biological engineering, from Kossuth Street Baptist Church, $50, “Breaking New Ground.”


Field, William E; agricultural & biological engineering, from Kossuth Street Baptist Church, $155, “Breaking New Ground.”

Field, William E; agricultural & biological engineering, from Kossuth Street Baptist Church, $310, “Breaking New Ground.”


Fisher, Timothy; Murthy, Jayathi Y; Xu, Xianfan and Garimella, Suresh V; mechanical engineering, from Raytheon, $255,000, “Raytheon PO 4400323782 Change Order 5 Incremental Funding.”

Foli, Karen J; nursing, from Kinley Trust, $20,000, “Great Expectations of Adoptive Parents: Theory Testing through Secondary Analysis.”


Fricker, Jon D and Sinha, Kumares C; civil engineering, from Indiana Department of Transportation, $200,000, “Measurement and Monitoring of the Performance of Highway Investment.”

Friedman, Alan M; biological sciences, from National Science Foundation, $7,000, “REU Supplement Funding: III: Small: Collaborative Research: Analysis of Multi-Dimensional Protein Design Spaces with Pareto Optimization of Experimental Designs.”
Fukada, Atsushi; foreign language & literature, from University of Illinois at Champaign-Urbana, $5,000, “Online Speaking Instruction for Practical Business Chinese.”


Garamella, Suresh V; mechanical engineering, from Multi-Sponsored Industrials, $30,000, “2011 CTRC Membership.”

Garamella, Suresh V; mechanical engineering, from Multi-Sponsored Industrials, $15,000, “2011 CTRC Membership.”

Garamella, Suresh V; mechanical engineering, from Toyota Motor Manufacturing Inc., $141,936, “Advanced Two-Phase Cooling Technology for High Heat Flux Application.”

Garamella, Suresh V; mechanical engineering, from Multi-Sponsored Industrials, $15,000, “2011 CTRC Membership.”

Gelvin, Stanton B; biological sciences, from National Science Foundation, $95,000, “Collaborative Research Proposal: Novel Proteins Required for Gene Transfer to Plants.”

Ghosh, Arun K; chemistry, from Multi-Sponsored Industrials, $10,000, “Multi Sponsored – A. Ghosh.”

Gibson, Kevin D; Alexander, Corinne E; Beckerman, Janna L; Hallett, Steven G; Hoagland, Lori A; Kaplan, Ian; Kladivko, Eileen J; Marshall, Maria I; and Sadof, Clifford S; botany & plant pathology, agricultural economics, horticulture & landscape architecture, entomology, agronomy, from Mary S. Rice Farm Estate, $10,000, “Increasing Capacity for Research on Organic Agriculture.”

Gramig, Benjamin M and Doering, Otto C; agricultural economics, from Tufts University, $175,517, “Tufts University - Packard Project.”

Groll, Eckhard A; mechanical engineering, from Air Squared Inc, $5,000, “Multi Sponsor Groll.”

Hamaker, Bruce R; food science, from University of Nebraska-Lincoln, $97,000, “Product and Market Development for Sorghum and Pearl Millet in West Africa-PRF-102.”

Harriger, Bradley C; Holecinski, Jeffrey K and French, Richard M; mechanical engineering technology, from Valle Farms, $10,000, “Lightweight Vertical Axis Wind Turbine Analysis.”

Hastak, Makarand; construction engineering & management, from American Society of Civil Engineers, $11,700, “Secretarial Support for the Journal of Management in Engineering.”

Heister, Stephen D; Meyer, Scott E; Mongia, Hukam C; Mudawar, Issam and Sojka, Paul E; aeronautical & astronautical engineering, mechanical engineering, from Rolls-Royce Corporation, $310,000, “University Technology Center in High Mach Propulsion at Purdue University.”

Heister, Stephen D; Anderson, William E; Sojka, Paul E; Campanella, Osvaldo H; Corvalan, Carlos M; Lucht, Robert P; Merkle, Charles L and Son, Steven F; aeronautical & astronautical engineering, mechanical engineering, agricultural & biological engineering, food science, from Army Research Office, $546,875, “Spray & Combustion of Gelled Hypergolic Propellants - Amend 5.” (a Discovery Park award — Energy Center)


Hirleman, E D; mechanical engineering, from American Society for Engineering Education, $32,023, “SMART Program Fellowship.”

Hirst, Peter M; horticulture & landscape architecture, from Mary S. Rice Farm Estate, $10,000, “Deer Fencing for Plots at Meigs Horticultural Facility.”

Hong, Zhaohui and Yang, Fenggang; history & political science - Calumet campus, sociology, from The Henry Luce Foundation, Inc, $300,000, “Establishing a Spatial Information Network for the Studies of Christianity in China.”

Hook, Tomas O and Bowen, Gabriel J; forestry & natural resources, earth & atmospheric sciences, from University of Illinois, $27,024, “Constructing the Nearshore Lake Michigan Food Web: Expansion Phase.”


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, $60, “Katherine Howe Gift Fund.”

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, $20, “Katherine Howe Gift Fund.”

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, $60, “Katherine Howe Gift Fund.”

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, $50, “Katherine Howe Gift Fund.”

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, $50, “Katherine Howe Gift Fund.”

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, $30, “Katherine Howe Gift Fund.”

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, $30, “Katherine Howe Gift Fund.”

Hoyt, Ronald W; field extension educators, from Keep Indianapolis Beautiful Inc, $20,730, “Marion County Environmental Education and Outdoor Learning Services.”

Huang, Chi-Hua: agronomy, from Agricultural Research Service, $33,427, “Acquisition of Goods and Services.”

Hutzel, William J: mechanical engineering technology, from National Renewable Energy Laboratory, $50,000, “Purdue Solar Decathlon Modification 1.”


Ishii, Mamoru and Hibi, Takashi: nuclear engineering, from Mitsubishi Heavy Industries Ltd., $90,000, “Impedance Void Sensor to Measure Void Symmetry in Large Diameter Pipes.”


Ivantysynova, Monika; Lumkes, John H and Martini, Ashlie M: college of agriculture - administration, agricultural & biological engineering, mechanical engineering, from University of Minnesota, $163,833, “Engineering Research Center (ERC) for Compact and Efficient Fluid Power.” (a Discovery Park award — Energy Center)

Jagannathan, Suresh: computer science, from Samsung Electronics Co., Ltd., $100,000, “Samsung.”

Jiang, Qing; Gibbs, Richard A and Snyder, Paul W: foods & nutrition, medicinal chemistry & molecular pharmacology, comparative pathobiology, from PHS-NIH National Institute on Deafness and Other Communication Disorders, $200,970, “The Role of a Novel Vitamin E Metabolite in Colon Cancer Prevention and Therapy.”


Kaplan, Ian; Doudareva, Natalia and Holland, Jeffrey D: entomology, horticulture & landscape architecture, from National Institute of Food & Agriculture, $463,035, “Delivering on the Promise of HIPVS: Manipulating Phytochemical Signals to Enhance Predation on Pests.”

Keener, Kevin M: food science, from Griffith Laboratories, $290, “Multi-Sponsored Gift.”

Key, Nicole L: mechanical engineering, from Rolls-Royce Corporation, $195,000, “Axial Three-Stage Compressor Performance Research.”

Kim, Yulian: mechanical engineering - Calumet campus, from Layne Christensen Drilling Technology Center, $5,000, “Sonnic Drill Rotor Head Housing Stiffness Improvement.”

Kirpatrick, Jane M: nursing, from PHS-NIH National Center for Health Resources and Services Administration, $8,417, “Health Center Cluster.”

Kirpatrick, Jane M; Aaltenon, Pamela M; Dodignton, Jennifer A and O’Neil, Elizabeth A: nursing, from PHS-NIH National Center for Health Resources and Services Administration, $166,750, “North Central Nursing Clinics (NCNC).”


Klimeck, Gerhard: electrical & computer engineering, from Semiconductor Research Corporation, $100,000, “Advanced Quantum Device Simulation Using NEMOS.” (a Discovery Park award — Network for Computational Nanotechnology)


Kompella, Ramana Rao and Neville, Jennifer L: computer science, from Silicon Valley Community Foundation, $99,573, “CISCO.”

Krupke, Christian H and Wise, Kiersten A: entomology, botany & plant pathology, from Mary S. Rice Farm Estate, $3,200, “Acquisition of a Mixer for Custom Application of Insecticidal and Fungicidal Seed Treatments.”

Leary, James F: basic medical science, from Nanovis Incorporated, $6,500, “In Vitro Studies of Nanovis Biomaterials.”


Lemenager, Ronald P; Bridges, Glen A and Gunn, Patrick J: animal sciences, from Mary S. Rice Farm Estate, $9,995, “Efficacy of a Twice-Used CIDR in a 5 Day Estrus Synchronization Protocol to Induce Estrus Cyclicity and Improve Reproductive Performance in Beef Cows.”

Liceaga, Andrea M: food science, from Indiana Soybean Alliance, $33,783, “Sensory Evaluation Analysis of Yellow Perch (Perca Flavescens) Fillets.”

Linder, Nathan L: Throckmorton-Purdue Agricultural Center, from Mary S. Rice Farm Estate, $2,500, “Hooded Spraying Components for Farmall 130 Tractor at TPAC/Meigs.”

Liu, Xiaojqi: Cancer Research center, from National Science Foundation, $185,000, “Pik1 in DNA Replication.”


Lossie, Amy C: animal sciences, from Indiana University School of Medicine, $15,000, “Epigenetic Changes in Alcohol Tolerance/Dependence as a Consequence of the Alcohol Preference Trial.”

Low, Philip S: chemistry, from PHS-NIH National Institute of General Medical Sciences, $414,471, “Studies of Erythrocyte Membrane Structure.”


Lynall, Matthew D: management, from Purdue University, $2,500, “Kranerts Experiential Learning Initiative (ELI) Fall 2010.”

Malis, Oana and Manfra, Michael J: physics, from Kyma Technologies Inc, $75,000, “III-Nitride Quantum Cascade Laser Development at Lambda ~1.55 Micrometers Based on Native GaN Substrates and Strain-Compensation Heterostructure Engineering.” (a Discovery Park award — Birck Nanotechnology Center)
Mapa, Lakshman B; engineering technology - Calumet campus, from ARPAC, $8,372, “ARPAC Tunnel Energy Efficiency Study.”


Mathur, Aditya P; computer science, from Google Inc, $816, “2009 Google PhD Fellowship - Lixia Liu.”

Matsuki, Kenji; mathematics, from National Security Agency, $39,604, “Toward a Unifying Algorithm for Resolution of Singularities in All Characteristics Modification 1.”

McCullough, Bobby G; civil engineering, from Indiana Department of Transportation, $82,000, “Performance Evaluation of Deployed Cathodic Protection SPR-3512.”

McCullough, Bobby G; civil engineering, from Indiana Department of Transportation, $90,500, “Snow and Ice Removal Standards - Optimizing Winter Operations, Project Expansion SPR-3204.”

McLuckey, Scott A; chemistry, from PHS-NIH National Institute of General Medical Sciences, $204,805, “Instrumentation for Analysis of High Mass Biomolecules.”

McNamara, Kevin T and Murdoch, Larry L; agricultural economics, entomology, from Indiana National Guard, $2,521, “National Guard Training: Post Harvest Storage, Handling, and Product Quality — March Kentucky Guard.”

Meilan, Richard; forestry & natural resources, from Hoosier Energy, $25,000, “Voluntary Support - Poplar Yield.”

Meyer, Scott E; mechanical engineering, from Sandia National Laboratories, $23,633, “SNL AOP Gas Generator Test.”

Michler, Charles H; forestry & natural resources, from North Carolina State University, $5,249, “Center for Tree Genetics — NCSU Amendment 5.”

Michler, Charles H; forestry & natural resources, from Indiana Chapter of the American Chestnut Foundation, $20,000, “Voluntary Support - American Chestnut.”

Miller, Brian K; forestry & natural resources, from University of Illinois at Champaign-Urbana, $174,063, “Amendment 1 for Illinois-Indiana Sea Grant College Program Omnibus.”

Mohammadi, Saeed; electrical & computer engineering, from Defense Advanced Research Projects Agency, $15,869, “Silicon on Insulator High Power Amplifiers (SOI-HPA).” (a Discovery Park award — Birk Nanotechnology Center)

Morgan, Mark T and Paxson, Benjamin N; food science, from Badger Meter Inc, $1,800, “EHEDG Phase I Design Review of BMI 1 Aseptic Control Valve for Badger Meter, Inc.”

Morgan, Mark T and Paxson, Benjamin N; food science, from Invensys, $6,835, “EHEDG Evaluation of Two Ph Sensors (Model Ph12) for Invensys Operations Management.”

Morgan, Mark T; food science, from Agato Co., Ltd, $1,800, “EHEDG Evaluation of an In-Line Process Refractometer PRM-100 Alpha.”

Murphy, Patrick T; Johnson, William G; Chaubey, Indrajeet and Volenece, Jeffrey J; agricultural & biological engineering, botany & plant pathology, agronomy, from Mary S. Rice Farm Estate, $10,000, “Plot Equipment of Harvesting & Planting Miscanthus Giganteus Rhizomes.”

Neumeister, Norbert; physics, from Fermi National Accelerator Laboratory, $16,000, “Adam Everett/Fermilab Post Doc Support.”

Nielsen, Robert L; agronomy, from Agriariant Genetics, $200, “Corn & Soybean Production.”

Nielsen, Robert L; agronomy, from Mary S. Rice Farm Estate, $7,788, “Precision Ag Technologies for the PACs.”

Nyenhuis, John A; electrical & computer engineering, from Edwards Lifesciences LLC, $6,000, “MRI Tests of Valve G1.”

Nyenhuis, John A; electrical & computer engineering, from C.R. Bard, Inc., $9,000, “Interactions of the MRI RF Magnetic Field with Vascular Implant M1.”

Nyenhuis, John A; electrical & computer engineering, from Galil Medical, Inc, $10,000, “Assessment of RF Induced Heating of a Cryoaolation Needle.”

Nyenhuis, John A; electrical & computer engineering, from C.R. Bard, Inc., $9,000, “Interactions of the MRI RF Magnetic Field with Vascular Implant D1.”

Okos, Martin R; agricultural & biological engineering, from Winifred B. Endowment Blisland, $8,704, “Wanghee Lee.”


Park, Johnny and Kak, Avinash C; electrical & computer engineering, from Sierra Nevada Corporation, $100,000, “Wide Area Surveillance Image Processing.”

Patton, Aaron J; agronomy, from Midwest Regional Turf Foundation, $3,438, “Midwest Regional Turf Foundation.”

Patton, Aaron J; agronomy, from Midwest Regional Turf Foundation, $1,000, “Turfgrass Research.”

Patton, Aaron J; agronomy, from Midwest Regional Turf Foundation, $15,000, “Turfgrass Research.”

Pekny, Joseph F; industrial engineering, from Indianapolis Power & Light Company, $15,000, “Indianapolis Power & Light Co.”

Penney, Richard C; mathematics, from Jeffrey A or Jean A Beckley, $1,000, “Voluntary Support.”

Peroulis, Dimitrios; electrical & computer engineering, from University of California - San Diego, $12,500, “Long-Term Creep Characterization and Analysis on High Power Radio Frequency Microelectromechanical System (RF MEMS) Switches Modification.”

Pijanowski, Bryan C; forestry & natural resources, from University of Illinois, $107,000, “Great Lakes Environmental Indicators and Decision Support Project.”

Porterfield, D. M; agricultural & biological engineering, from Office of Naval Research, $30,000, “A Novel Multi-Site Patchclap Biochip for Electrophysiological Recordings on Retinal Tissue Cells - Mod 4.” (a Discovery Park award — Bindley Bioscience Center)

Post, Carol B; medicinal chemistry & molecular pharmacology, from PHS-NIH National Institute of General Medical Sciences, $280,201, “NMR Structure of Peptide and Protein Complexes.”


Prezzi, Monica; civil engineering, from Indiana Department of Transportation, $20,000, “Construction of Mechanically Stabilized Earth (MSE) Wall Using Tire Shred-Sand Mixture.”

Prezzi, Monica and Salgado, Rodrigo; civil engineering, from National Science Foundation, $202,000, “Integrated Framework for 3-D Analysis of Soil-Pile Interaction.”

Prezzi, Monica; civil engineering, from Indiana Department of Transportation, $50,000, “Quality Assessment of Geogrids Used for Subgrade Treatment Phase I, SPR-3225.”

Prokopy, Linda S; forestry & natural resources, from Natural Resources Conservation Services, $41,946, “Conduct Follow-Up Social Indicators Work in Little Calumet-Galien Watershed.”

Pujol, Santiago; civil engineering, from Erico International Corporation, $5,000, “Multi Voluntary Support Account”
Purcell, Lindsey A; forestry & natural resources, from Duke Energy Foundation, $1,500, “Voluntary Support - Purcell.”

Quaigrainie, Kwamen K; Keener, Kevin M and Liceaga, Andrea M; agricultural economics, food science, from University of Illinois, $63,171, “Outreach and Education Programming in Aquaculture and Seafood Products in the Great Lakes Region.”

Raftery, M D; chemistry, from Indiana University Purdue University at Indianapolis, $15,000, “Biomarkers for Pancreatic Cancer with I.U.”

Ragland, Darryl; veterinary clinical science, from Compass Minerals, $9,298, “Evaluation of the Repellent Properties of Several Commercially Available, Non-Lethal Deer Repellents (Phase I) - with Induction of Salt Deprivation.”

Reklaitis, Gintaras V; chemical engineering, from Rutgers State University, $151,937, “Engineering Research Center on Structural Organic Composites-Industrial.”

Revankar, Shripad T; nuclear engineering, from Canadian Nuclear Safety Commission, $116,700, “Probabilistic Assessment of Leak Rates through Steam Generator Tubes.”

Richmond, Douglas S; entomology, from Bayer CropScience LP, $5,600, “Turfgrass Entomology Research.”

Rossmann, Michael G; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, $400,828, “Structure and Function of Icosahedral Viruses.”

Sadeghi, Farshid; mechanical engineering, from Tecumseh Compressor Group, $195,000, “Tribology Lab Research.”

Saha, Shubin K; horticulture & landscape architecture, from Mary S. Rice Farm Estate, $5,000, “Irrigation Well for Use in High Tunnel Research.”

San Martin-Gonzalez, Maria F; food science, from Multi-Sponsored Industrials, $6,200, “Multi-Sponsor Gift Funds.”

Sanders, John H; agricultural economics, from University of Nebraska, $91,210, “Development of the Input and Product Markets in West Africa for Sorghum and Millet.”

Sands, Laura P; Thomas, Joseph and Craig, Bruce A; nursing, pharmacy practice, statistics, from PHS-NIH National Institute on Aging, $279,338, “Prognostic Significance of Insufficient ADL Help on Health Outcomes/Utilization.”

Schweickert, Richard and Dzhafarov, Ehtibar N; psychological science, from Air Force Office of Scientific Research, $199,376, “Causal Networks with Selectively Influenced Components Modification 3.”

Shade, Steven A; aeronautical & astronautical engineering, from The Boeing Company, $15,000, “PLM (Product Life-Cycle Management) Membership for 2010.”

Shade, Steven A; aeronautical & astronautical engineering, from The Boeing Company, $50,000, “PLM (Product Life-Cycle Management) Membership for 4/1/11-3/31/12.”

Shah, Kavita; chemistry, from Marsha Rivkin Center for Ovarian Cancer Research, $75,000, “Chemical Genetic Dissection of Aurora A Kinase in Ovarian Cancer.”

Shalaev, Vladimir M; electrical & computer engineering, from University of Central Florida, $35,000, “MURI: Engineered Multifunctional Nanophotonic Materials for Ultrafast Optical Switching.” (a Discovery Park award — Birck Nanotechnology Center)

Shalaev, Vladimir M; electrical & computer engineering, from University of Central Florida, $50,167, “Field-Enhancing Plasmonic Nanomaterials; Increase for Grant 100248.” (a Discovery Park award — Birck Nanotechnology Center).

Shalaev, Vladimir M; electrical & computer engineering, from University of Central Florida, $167,822, “Manufacturing Extension Partnership FY 2010-2011 Amendment 2.”

Shalaev, Vladimir M; electrical & computer engineering, from University of Central Florida, $155,000, “Airborne Microwave Observatory of Subcanopy and Subsurface (AirMOSS).”

Shih, Tom I; aeronautical & astronautical engineering, from Ames Laboratory, $100,000, “Computational Analysis of Advanced Cooling Strategies for High-Efficiency and Long-Service Life Turbines Modification 3.”


Simpson, Garth J; Das, Chittaranjan and Qi, Minghao; chemistry, electrical & computer engineering, from PHS-NIH National Center for Research Resource, $359,224, “Nonlinear Optical Imaging for Guiding Protein Structure Determination.” (a Discovery Park award — Bindley Bioscience Center)

Siskind, Jeffrey M; electrical & computer engineering, from Army Research Laboratory, $293,019, “Robust and Principled Visual Intelligence Amendment 1.”

Smith, Anne; speech, language & hearing science, from PHS-NIH National Institute on Deafness and Other Communication Disorders, $186,174, “Physiological Correlates of Stuttering.”

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, $4,000, “Sensory Evaluation Research.”

Smith, Richard S; food science, from Hinsdale Farms Ltd, $9,000, “Sensory Evaluation Research.”

Smith, Richard S; food science, from PHS-Food and Drug Administration, $169,150, “Food Processing and Technology Facility Services.”

Snow, Lowell D; technology assistance program, from Indiana Economic Development Corporation, $167,055, “Manufacturing Extension Partnership FY 2010-2011 Amendment 1.”

Snow, Lowell D; technology assistance program, from Indiana Economic Development Corporation, $167,822, “Manufacturing Extension Partnership FY 2010-2011 Amendment 2.”

Son, Steven F; mechanical engineering, from Illinoisroestcr LLC, $8,000, “Solid Propellant Formulations.”

Son, Steven F; mechanical engineering, from Engineer Research and Development Center, $100,000, “Development of Innovative Nanoscale Composites for Multifunctional Energetic Materials Applications Modification 3.”

Sorge, Brandon; Office of Engagement, from Eli Lilly and Company Foundation, $150,000, “Indiana Science Initiative.”

Spafford, Eugene H; Raskin, Victor and Dark, Melissa J; CERIAS, English, from National Science Foundation, $1,039,953, “Preparing Cyber Security Leaders.”

Spafford, Eugene H; CERIAS, from Soonchunhyang University, $54,485, “Korean Voluntary Support.”

Spafford, Eugene H; CERIAS, from John Wiley & Sons Limited England, $60,000, “CERIAS Voluntary Support.”

Staiger, Christopher J; biological sciences, from U.S. Department of Energy, $170,000, “Regulation of Actin Filament Ends: the Role of Capping Protein in Plant Growth and Lipid Signaling Modification 7.”

Story, Jon A and Snyder, Margie E; graduate school administration, pharmacy practice, from Indiana University School of Medicine, $58,079, “Clinical and Translational Sciences Institute (CTSI) Young Investigator Award.” (a Discovery Park award — Bindley Bioscience Center)

Story, Jon A and Pressler, Barrak M; graduate school administration, veterinary clinical science, from Indiana University School of Medicine, $83,074, “Clinical and Translational Sciences Institute (CTSI) Young Investigator Award.” (a Discovery Park award — Bindley Bioscience Center)
Strachan, Alejandro H; Caruthers, James M; Koslowski, Marisol; Pipes, R Byron and Raman, Arvind; materials engineering, chemical engineering, mechanical engineering, aeronautical & astronautical engineering, from The Boeing Company, $200,000, “Boeing-Purdue Project: Atoms to Aircraft Program.” (a Discovery Park award — Institute for Defense Innovation)

Streveler, Ruth A; engineering education, from National Science Foundation, $39,591, “Collaborative Research: Engineering Pathways Study: The College-Career Transition Informing Educational Practice.”

Sudhoff, Scott D and Pekarek, Steven D; electrical & computer engineering, from Florida State University, $105,583, “Electric Ship Research and Development Consortium Amendment 5.”

Swaminathan, Vishwanathan; statistics, from Microsoft Corporation, $5,600, “Microsoft.”

Swihart, Robert K; forestry & natural resources, from Indiana Arborists Association, Inc., $2,000, “Indiana Arborists Association, Inc.”

Talbert, Brian A; youth development & agricultural education, from People In Need, $16,189, “Development of a Methodology Guidebook for Agriculture High School Teachers in Afghanistan.”

Tran, Elizabeth; biochemistry, from PHS-NIH National Institute of General Medical Sciences, $252,705, “The Role of Dead-Box Proteins in Gene Expression.”

Trumble, Kevin P and Youngblood, Jeffrey P; materials engineering, from Hoeganaes Corporation, $76,622, “Materials to Electrically Isolate Pressed Iron Powders.”

Tuinstra, Mitchell R; agronomy, from University of Nebraska, $97,500, “Developing Sorghum with Improved Grain Quality, Agronomic Performance, and Resistance to Biotic and Abiotic.”

Turco, Ronald F; Goforth, Reuben R and Whitford, Fred; agronomy, forestry & natural resources, botany & plant pathology, from U.S. Geological Survey, $48,018, “FY 2011 Indiana Water Resources Research Center (IWRRC) General Project.”

Varma, Amit H; civil engineering, from American Iron & Steel Institute, $15,000, “American Iron & Steel Institute.”

Vitek, Olga; computer science, from National Science Foundation, $323,983, “CAREER: Sparse-Sampling Inference for Functional Proteomics, Metabolomics and Ionomics.”

Vitek, Olga; statistics, from Advanced Bioimaging, $2,247, “Voluntary Support.”

Vyn, Tony J; agronomy, from Mary S. Rice Farm Estate, $8,396, “Mounted Sprayer and Research Support for Mangansese Management for Corn and Soybean in Glyphosate-Dominant Cropping Systems at PPAC and Rice.”

Wahlman, Joel R; Southeast-Purdue Agricultural Center, from Mary S. Rice Farm Estate, $7,870, “Automatic Soil Sampler.”

Wankat, Phillip C; chemical engineering, from Eastman Chemical Company, $6,600, “2009 Eastman Summer Graduate Fellowship for Pradeep K. Sharma.”

Weatherman, Kara D; pharmacy practice, from Cardinal Health, $11,011, “Training Program Partnership with Cardinal Health.”

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 Big River Industries, Inc, $9,875, “Quantifying Sustainability of Internally Cured Concrete - Diffusion and Life Cycle Costs.”

Weiss, William J; civil engineering, from Carolina Stalite Company, $9,875, “Quantifying Sustainability and Life Cycle Determination Using Diffusion Analysis.”

Wilker, Jonathan A; chemistry, from Office of Naval Research, $37,500, “Mechanism-Based Antifouling: Characterizing Bioadhesives and Inhibiting Adhesion Modification 3.”

Williams, Ann E; field extension educators, from March of Dimes Northwest Division, $157, “Have a Healthy Baby.”

Wu, Ching C and Lin, Tsang Long; comparative pathobiology, from Pennsylvania State University, $25,000, “JDIP-Epidemiology and Transmission Project.”


Xu, Xianfan; mechanical engineering, from National Institute of General Medical Sciences, $17,500, “ASTCs Research Program.”

Zavattieri, Paolo D; civil engineering, from General Motors Corp, $8,044, “A Computational Study of the Dynamic Response of SMP Based Variable Geometry Cellular Materials.”

Zhang, Haiyan H; mechanical engineering technology, from Smalley Steel Ring Company, $5,000, “Zhang- Smalley Steel.”

Zhao, Fu and Sutherland, John W; mechanical engineering, environmental & ecological engineering, from Wichita State University, $10,572, “Wind Energy and Sustainable Energy Solutions.”

Zhou, Chenn Q; Center for Innovation thru Visualization & Simulation, from EQ Engineers LLC, $10,000, “CFD Modeling of an Existing Flooded Disc Scrubber.”

Zhou, Chenn Q; Center for Innovation thru Visualization & Simulation, from NiSource Corporate Services Company, $9,000, “Bailly Circulating Water Inlet Pipe Study.”

Zhou, Chenn Q; Center for Innovation thru Visualization & Simulation, from Lazar Anode Technologies LLC, $3,000, “CFD Thermal Modeling of a Prototype LCCBF Design Alternative II.”

Zhou, Chenn Q; Center for Innovation thru Visualization & Simulation, from Lazar Anode Technologies LLC, $9,000, “CFD Analysis of Effects of Anode Thermal Conductivity in a Prototype LCCBF.”

Zhuang, Qianlai; agronomy, from National Aeronautics and Space Administration, $253,611, “Changes of Land Cover and Land Use and Greenhouse Gas Emissions in Northern Eurasia: - Sup 2.” (a Discovery Park award — Purdue Climate Change Research Center)


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