

DIMENSIONS *of* DISCOVERY

Sponsored Program Awards

March 2014

Abbott, Angela R; foods & nutrition, from United Way of St Joseph County, \$25,048, "United Way St. Joe."

Abrahamson, Kathleen A; nursing, from Kinley Trust, \$19,977, "Is Safe Care Satisfying: the Connection Between Hospital Patient Safety Culture and Patient Satisfaction."

Agnew, Christopher R; psychological science, from Arthur F. Krueger Endowment, \$500, "Arthur F. Krueger Scholarship for Fellowships."

Aguilar, Ruben C; Cancer Research Center, from Purdue Cancer Center, \$3,000, "Identification of Regulators of the Notch Signaling Pathway."

Aldrich, Daniel P; liberal arts — administration, from Kinley Trust, \$20,000, "Community Response to the 3/11 Earthquake, Tsunami, and Nuclear Crises."

Allebach, Jan P; electrical & computer engineering, from Poshmark Inc, \$50,000, "Automatic Tools for Evaluating and Improving Quality of Fashion Photographs."

Anderson, Joseph M and DeVillez, Philip L; agronomy, from Pioneer Hi-Bred International, Inc., \$18,750, "2014 Plant Population Response of Corn Hybrids."

Anderson, William E; aeronautical & astronautical engineering, from Air Force Research Laboratory, \$160,000, "Plan, Develop and Execute Basic Research, Experiments and Analysis of Liquid and High-Pressure Combustion Systems."

Anderson, William E and Lucht, Robert P; aeronautical & astronautical engineering, mechanical engineering, from National Aeronautics and Space Administration, \$35,559, "Integrated Physics-Based Modeling and Experiments For Improved Prediction of Combustion Dynamics; Supplement 8 for Grant 105385."

Applegate, Bruce M; food science, from Millisecond Technologies, Corp, \$10,000, "Food Microbiology Research."

Barrick, Debra K; cooperative education — Fort Wayne campus, from Indiana Campus Compact, \$2,000, "Alternate Spring Break: Urban Plunge."

Beaulieu, Lionel J; Office of Engagement, from Australia New Zealand Reg Science, \$1,496, "Multi-Sponsored Account (Purdue Center for Regional Development (PCRD))."

Beckerman, Janna L; botany & plant pathology, from Bayer Crops Science LP (Environmental Science), \$4,000, "Indiana Arborists Association, Inc."

Benes, Bedrich; computer graphics technology, from Purdue University, \$34,450, "12-13 Bridge Funding."

Bobet, Antonio; civil engineering, from Indiana Department of Transportation, \$12,552, "Assessment of Pipe Fill Heights-SPR-3857."

Bobet, Antonio; civil engineering, from Purdue University, \$97,946, "Laboratory Equipment for Complex Loading."

Bodner, George M; chemistry, from Embassy of the Arab Republic of Egypt, \$9,000, "Visiting Scholar Dr. Essam Ahmed in Chemistry."

Briggs, Scott D; biochemistry, from Purdue University, \$23,822, "12-13 Bridge Funding."

Briggs, Scott D; biochemistry, from Purdue Cancer Center, \$30,000, "Translation of Basic Discoveries: from Yeast to Prostate Cancer Cells."

Buckius, Richard O; Vice President for Research, from Purdue University, \$48,045, "Bridge Funding: Michele Buzon."

Buckmaster, Dennis; agricultural & biological engineering, from the Dow Chemical Company, \$3,000, "Buckmaster Multi-Sponsored Gift."

Caffee, Marc W; physics, from Battelle Energy Alliance LLC, \$5,520, "1-129 Analysis by AMS for Geo Sample."

Caffee, Marc W and Goehring, Brent M; physics, earth & atmospheric sciences, from U.S. Geological Survey, \$20,000, "Cooperative Ecosystem Studies Unit, Great Lakes Northern Forest."

Caldwell, Barrett S; Carney, Thomas Q and Johnson, Mary E; aeronautical & astronautical engineering, aviation technology, from Federal Aviation Administration, \$195,362, "Project #4: Weather Technology in the Cockpit Program."

Caldwell, Barrett S; industrial engineering, from National Aeronautics and Space Administration, \$10,000, "Purdue Support of Finesse Science and Exploration."

Cappelleri, David J; mechanical engineering, from Duke University, \$16,249, "CPS: Synergy: Collaborative Research: Controlling Teams of Autonomous Mobile Beamformers."

Carlson, Donald E; Beheler, Brian D; Chapman, Robert N; Rathfon, Ronald A and Hoverman, Jason T; forestry & natural resources, woodland management account, from Mary S. Rice Farm Estate, \$5,072, "The Implementation of the Invasive Plant Control Project."

Casteel, Shaun N; agronomy, from Mary S. Rice Farm Estate, \$6,000, "Integrated GPS Guidance and Control."

Chen, Weinong W; aeronautical & astronautical engineering, from Corvid Technologies, \$19,915, "High-Rate Characterization of Soft Materials with Kolsky Bar-14003."

Chen, Weinong W; aeronautical & astronautical engineering, from Air Force Research Laboratory, \$50,000, "Dynamic Interfacial Friction Under Various Pressure and Temperature Conditions; Modification 3 for Grant 106805."

Cheng, Ji-Xin; biomedical engineering, from *Coulter Foundation, \$150,000, "A Micelle Approach to Early Nerve Repair after Spinal Cord Injury."

Cheng, Ji-Xin; biomedical engineering, from American Heart Association, \$150,000, "Assessing Plaque Vulnerability by Spectral Analysis of Optically Induced Sound."

Chmielewski, Jean A and Hrycyna, Christine A; chemistry, from PHS-NIH National Institute Neurological Disorders and Stroke, \$178,551, "Tools for Eradicating HIV Reservoirs in the Brain: a Trojan Horse Approach."

Chmielewski, Jean A; chemistry, from Purdue University, \$48,747, "Laboratory Research Equipment Program - Waters Analytical/Preparative HPLC System."

Colby, David A; medicinal chemistry & molecular pharmacology, from Purdue University, \$8,152, "12-13 Bridge Funding."

Cooks, Robert G; chemistry, from Abbvie Inc, \$55,000, "Agreement with Abbvie to Evaluate Paper Spray Technology." (a Discovery Park award — Bindley Bioscience Center)

Cooper, Bruce R; Bindley Bioscience Center, from Purdue University, \$90,000, "1314 Office of the Vice President for Research (OVPR) Research CORE Supplement Funding Program. Bruker Gas Chromatograph & Mass Spectrometer." (a Discovery Park award — Bindley Bioscience Center)

Cosier, Richard A; management, from Multi-Sponsored Industrials, \$625, "Purdue University Class of 1983 Fellowship."

Creasy, Miles A; mechanical engineering technology, from The Vibration Institute, \$3,800, "Data Acquisition for Monitoring Chatter (DAMC)."

Crossley, William A; aeronautical & astronautical engineering, from University of Michigan, \$85,453, "Scalable Multifidelity Design Optimization: Next Generation Aircraft and Their Impact on the Air Transportation System."

Csonka, Leslie N; biological sciences, from Rutgers State University, \$39,156, "The Function of Small RNA-Based Viral Defense System in E. Coli."

Danielli-Garofalo, Donatella; mathematics, from Simons Foundation, \$129,934, "Simons Fellowship in Mathematics."

Davies, Patricia; mechanical engineering, from Fontaine, William E, \$2,500, "William E. Fontaine Quasi Endowed Support Fellowship."

Davis, Susan B; Office of Engagement, from Indiana University at Kokomo, \$10,000, "HH Small Business Development Center (SBDC) Multi-Sponsor Account."

DeLaurentis, Daniel A; aeronautical & astronautical engineering, from Missile Defense Agency, \$200,000, "An Agent-Based Concept for an Enhanced Command and Control, Battle Management, and Communications (C2BMC) ArchITeCTure; Modification 22 for Grant 104755."

Delp, Edward J; electrical & computer engineering, from Indiana University School of Medicine, \$3,700, "Using the TADA System to Assess Weight Gain in Adolescents and Young Adults."

Dennis, Jennifer L and Clayton, Katherine E; horticulture & landscape architecture, food science, from Indiana State Department of Agriculture, \$41,072, "Enhancing Indianas Speciality Crop Market Through a Targeted Farm to School Effort."

Dilkes, Brian; horticulture & landscape architecture, from The Agricultural Alumni Seed Improvement, \$10,000, "Multi-Sponsored Gift Account."

Dillman, Brian G and Johnson, Mary E; aviation technology, from Federal Aviation Administration, \$8,193, "Project 3: Angle of Attack Equipment for General Aviation Operations."

Dukes, Jeffrey S; forestry & natural resources, from Northern Arizona University, \$62,381, "Biogeochemical Responses and Feedbacks to Climate Change: Synthetic Meta-Analyses Relevant to Earth System Models." (a Discovery Park award — Purdue Climate Change Research Center)

Dunston, Phillip S and Kandil, Amr; civil engineering, from John Deere Agricultural US, \$15,750, "Worksite Visualization and Interactive Simulation IV."

Dydak, Ulrike; health sciences, from Columbia University, \$113,930, "IN Vivo Quantification of Cerebellar GABA and NAA in Essential Tremor."

Egel, Daniel S; botany & plant pathology, from Monsanto Company, \$1,000, "Watermelon Variety Trial at SWPAC."

Eiler, Gwenda S; student health center, from Charis Center Eating Disorders, \$500, "Eating Disorders Awareness Week, 2014."

Engel, Bernard A; agricultural & biological engineering, from Republic Turkey Food Ministry, \$6,000, "Bench Fees — Zafer Saban Tunca."

Ferris, Virginia R; entomology, from Makhteshim-Agan of North America, Inc., \$12,000, "Cyst Nematode Program."

Ferris, Virginia R; entomology, from Edit-MyEnglish, \$600, "Cyst Nematode Program."

Field, William E; agricultural & biological engineering, from Superior Van and Mobility LLC, \$800, "Breaking New Ground."

Field, William E; agricultural & biological engineering, from Life Essentials, Llb, \$3,000, "Breaking New Ground."

Filley, Timothy R and Chaubey, Indrajeet; earth & atmospheric sciences, agricultural & biological engineering, from University of Illinois at Champaign-Urbana, \$106,820, "Critical Zone Observatory for Intensively Managed Landscapes (IML-CZO)."

Forbush, Kelsie T; psychological science, from Kinley Trust, \$19,680, "Predictors of Short-Term Stability and Change in Eating Disorder Psychopathology and Comorbidity."

Foreman, James C; electrical & computer engineering technology, from Intel Corporation, \$25,000, "Foreman-Intel Research."

Foster, Ricky E; entomology, from Indiana Vegetable Growers Association, \$1,000, "Vegetable & Fruit Research."

Freeman, Jennifer L; Cannon, Jason R; Chester, Julia A; Nie, Huiling; Sepulveda, Maria S; Thompson, David H and Zhang, Guangjun; health sciences, psychological science, forestry & natural resources, chemistry, comparative pathobiology, from Purdue University, \$39,700, "Zebrafish Behavior Imaging System."

Garimella, Suresh V; mechanical engineering, from Intel Corporation, \$95,000, "Ultra-Thin Vapor Chambers."

Garimella, Suresh V; mechanical engineering, from Aavidthermalloy, \$7,500, "Cooling Technologies Research Center (CTRC) 2012-2013 Membership — Memo Match for 106029."

Gibbs, Richard A; medicinal chemistry & molecular pharmacology, from Purdue University, \$15,285, "12-13 Bridge Funding."

Gilpin, Christopher J; horticulture & landscape architecture, from Purdue University, \$18,815, "1314 Office of the Vice President for Research (OVPR) Research CORE Supplement Funding Program. Upgrade BSL2."

Gilpin, Christopher J; horticulture & landscape architecture, from Purdue University, \$48,657, "1314 Office of the Vice President for Research (OVPR) Research CORE Supplement Funding Program. Upgrade BSL2."

Gkritza, Konstantina; civil engineering, from Iowa State University, \$19,836, "Project 1 — Heated Airport Pavements-Energy and Financial Viability."

Golden, Barbara L; biochemistry, from PHS-NIH National Institute of General Medical Science, \$30,141, "Coupling of Structure and Dynamics in RNA Catalysis — Grant 105136."

Grama, Ananth Y; computer science, from Purdue University, \$397,702, "Network Analysis Aided Drug Repurposing for Degenerative Diseases."

Groh, Jennifer L; Bayley, Susan R and Hol-loway, Elizabeth M; women in engineering program, engineering administration engineering experiment, from Tides Foundation, \$30,000, "Access Engineering (AE): K-8th Grade Summer Outreach Programming."

Haddock, John E and McDaniel, Rebecca S; civil engineering, from Indiana Department of Transportation, \$24,469, "Optimizing Laboratory Mixture Design as IT Relates to Field Compaction in Order to Improve Hot-Mix Asphalt Durability."

Hadley, Vickie J; field extension educators, from Scan Inc, \$975, "Work One/Scan Financial Literacy."

Hartman, Nathan W; computer graphics technology, from Rolls-Royce Corporation, \$50,000, "Product Lifecycle Management Center of Excellence (PLM)."

Harwood, John S; chemistry, from Purdue University, \$54,900, "1314 Office of the Vice President for Research (OVPR) Research CORE Supplement Funding Program. BBFO Sample Probe for Bruker 500 MHz Nuclear Magnetic Resonance (NMR) Spectrometer."

Hazbun, Tony R; medicinal chemistry & molecular pharmacology, from Purdue University, \$10,260, "1314 CC Special Incentive Research Grant (SIRG), Incr. for Fee Remit."

Heeg, Marlene O; pharmacy - administration, from Bristol-Myers Squibb Company, \$75,000, "A 2014 National Educational Initiative on Therapeutics & Rheumatology for Rheumatology State Societies."

Heeg, Marlene O; pharmacy - administration, from Takeda Pharmaceutical International Inc US Region, \$200,000, "CGA-2013-IBD-03: 2014 National Inflammatory Bowel Disease Educational Initiative."

Hertel, Thomas W; agricultural economics, from Agricultural Economics Res. Institute, \$19,650, "Global Trade Analysis Project (GTAP) Consortium."

Hester, Patricia Y; Makagon, Maja M; Widmar, Nicole J and Wagle, William L; animal sciences, agricultural economics, animal disease diagnostic laboratory, from Agricultural Research Service, \$119,444, "Thermal Perches as Cooling Devices for Reducing Heat Stress in Caged Laying Hens."

Hong, Wei; foreign language & literature, from Chinese Language Council International, \$75,000, "Confucius Institute at Purdue (2014 Funding)."

Hong, Wei; foreign language & literature, from Chinese Language Council International, \$11,551, "Confucius Institute at Purdue University."

Hooser, Stephen B; animal disease diagnostic laboratory, from Indiana Department of Natural Resources, \$8,000, "Diagnostic Evaluation of Birds/Reptiles/Amphibians/ Non-Game Fish."

Hrycyna, Christine A; chemistry, from PHS-NIH National Institute of General Medical Science, \$279,174, "Structure, Function and Conformational Dynamics of the Ste14p Methyltransferase."

Huber, Jessica E; speech, language and hearing sciences, from SpeechVive, \$10,397, "Effectiveness of Second Generation Speech-Vive Device."

Hunt, Greg J; entomology, from National Honey Board, \$39,810, "Community-Based Evaluation of a Novel Resistance Mechanism of Bees Against Varroa."

Isaac-Lam, Meden F; chemistry — North Central campus, from John and Maria Laffin Trust, \$5,000, "Vitamin Receptor-Targeted Agents for Cancer Therapy."

Ivantysynova, Monika; Lumkes, John H and Vacca, Andrea; agricultural & biological engineering, from University of Minnesota, \$18,800, "NSF Engineering Research Center (ERC) for Compact, Clean and Efficient Fluid Power Systems." (a Discovery Park award — Energy Center)

Jiang, Yiwei; agronomy, from Mary S. Rice Farm Estate, \$3,446, "Evaluation of Flowering Time in Switchgrass."

Johnson, Carla J; Bryan, Lynn A and Moore, Tamara J; curriculum & instruction, engineering education, from Indiana Department of Education, \$173,056, "P-STEM: Partnership for Advancing Integrated Science, Technology, Engineering & Mathematics (STEM) Education."

Johnson, William G; botany & plant pathology, from Makhteshim-Agan of North America, Inc., \$18,500, "Weed Research."

Johnson, William G; botany & plant pathology, from Monsanto Company, \$1,000, "Weed Identification and Control."

Jones, James D; mechanical engineering, from National Aeronautics and Space Administration, \$7,500, "National Aeronautics and Space Administration (NASA) Aero Scholarship for Keith Wittmer (Training Grant)."

Kenttamaa, Hilka I; chemistry, from Aptuit, \$10,000, "Research on Industrial Samples."

Key, Nicole L; mechanical engineering, from Duke University, \$33,574, "Grand Challenges in Turbomachinery Forced Response and NSV. Modification 1."

Key, Nicole L; mechanical engineering, from Rolls-Royce, Inc., \$336,660, "CSTAR Baseline Performance Characterization."

King, Galen B; mechanical engineering, from General Electric Foundation, \$16,500, "Gas Turbine Combustion & Intelligent Cnt."

Kladivko, Eileen J; agronomy, from Iowa State University, \$261,708, "Climate Change, Mitigation, and Adaptation in Corn-Based Cropping."

Kluender, Keith R; speech, language and hearing sciences, from Lions Club, \$2,000, "Clinical Support for Speech-Language-Audiology Services from the Indiana Lions Club."

Knipp, Gregory T; industrial & physical pharmacy, from Purdue University, \$68,760, "1314 Office of the Vice President for Research (OVPR) Research CORE Supplement Funding Program. (2) Culex Cart Rodent Systems."

Knipp, Gregory T and Xie, Ying; industrial & physical pharmacy, food science, from Phytoption LLC, \$70,000, "Evaluating New Pharmaceutical Excipients for Dissolving Poorly Water-Soluble Drugs."

Kobza, Cara L; field extension educators, from The Portland Foundation, \$4,471, "4-H Robotics Program."

Koh, Cheng-Kok; Jiao, Dan and Hu, Y Charlie; electrical & computer engineering, from National Science Foundation, \$188,344, "Software and Hardware Foundations (SHF): Medium: Say No to Extraction--a Transformative Circuit Simulation Paradigm Guided by First Principle; Amendment 3 for Grant 105225."

Koh, Cheng-Kok; electrical & computer engineering, from National Science Foundation, \$8,000, “Research Experience for Undergraduates (REU) Supplement: CI-ADDO-NEW: Collaborative Research: Development of Darwin Humanoid Robots for Research, Education, and Outreach.”

Kokini, Jozef L; food science, from Sokol and Company, \$750, “Food Science Research.”

Kokini, Jozef L; food science, from Dairyvative Technology LLC, \$3,000, “Food Science Research.”

Kompella, Ramana Rao; computer science, from National Science Foundation, \$91,268, “Faculty Early Career Development (CAREER): Towards a High-Fidelity Knowledge Plane for Data-Center Networks; Amendment 3 for Grant 105164.”

Konieczny, Stephen F and Taparowsky, Elizabeth J; biological sciences, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, \$324,513, “Pancreas Transcription Factors and Disease Model Systems.”

Krishnan, Ananthanarayan and Gandour, Jackson T; speech, language and hearing sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$315,469, “Effects of Language Experience on Early Cortical and Subcortical Pitch Encoding.”

Krupke, Christian H; Young, Jay C and Bledsoe, Larry W; entomology, Throckmorton-Purdue Agricultural Center, from Mary S. Rice Farm Estate, \$5,500, “Acquisition of Specialized Welding Equipment to Support Multiple Research Programs and to Maintain AG Center Crop Production Equipment.”

Kubis, Tillmann C; electrical & computer engineering, from Semiconductor Research Corporation, \$93,932, “Amendment No. 2 Assessment of Silicon-Free Transport in Realistic Nanoscale Devices with NEMO5.” (a Discovery Park award — Network for Computational Nanotechnology)

Labi, Samuel; Sinha, Kumares C and Agbelie, Bismark R; civil engineering, from Indiana Department of Transportation, \$100,000, “Estimation and Prediction of Statewide Annual VMT by Vehicle Class and Highway Category Funding Agency.”

Ladisch, Michael R; agricultural & biological engineering, from Mascoma Corporation, \$1,372, “Characterization of Biomass Materials.”

Lechtenberg, Victor L; president, from Indiana Commission for Higher Education, \$457,014, “Integrating Science, Mathematics and Engineering to Improve Student Success.”

Lelievre, Sophie A; basic medical science, from PHS-NIH National Cancer Institute, \$69,750, “High-Throughput Human Cell-Based Models for Primary Prevention of Breast Cancer.”

Liceaga, Andrea M; food science, from Mark A Sloneker, \$1,000, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Iovate Health Sciences, Inc, \$3,000, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Barhyte Specialty Foods, Inc, \$5,058, “Multi-Sponsored Gift-Sensory.”

Lin, Tsang Long; animal disease diagnostic laboratory, from Indiana Department National Resources, Division of Fish & Wildlife, \$150,337, “Diagnostic Evaluation and Fish Health Inspection of Indiana Fish.”

Linder, Nathan L; Beckerman, Janna L; Foster, Ricky E; Hirst, Peter M and Tucker, Tristand E; Throckmorton-Purdue Agricultural Center, botany & plant pathology, entomology, horticulture & landscape architecture, from Mary S. Rice Farm Estate, \$10,000, “Orchard Equipment.”

Lucas, Jeffrey R; Ronald, Kelly L and Fernandez-Juricic, Esteban; biological sciences, from Sigma XI, \$500, “Estrogen and Multimodal Sensory Processing: Implications for Mate-Choice.”

Lucht, Robert P; mechanical engineering, from GE Aviation, \$300,000, “High-Pressure TAPS Flame Visualization.”

Luke, Eileen M; CERIS, from Animal Plant Health Inspection Service, \$95,318, “National Agricultural Pest Information System (NAPIS).”

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

Lynall, Matthew D; management, from Bandidos Inc, \$273, “Krannerts Experiential Learning Initiative (ELI).”

Mansfield, Charles W; Egel, Daniel S; Nowaskie, Dennis H; Shelton, Brad W and Tower, Jason E; agronomy, botany & plant pathology, Southwest-Purdue Agricultural Center, Feldun-Purdue Agricultural Center, Southern Indiana-Purdue Agricultural Center, from Mary S. Rice Farm Estate, \$6,000, “Equipment Acquisition for Southwest Purdue Agricultural Center.”

Matson, Eric T; computer & information technology, from John Deere Technology Innovation Center, \$6,493, “John Deere Field Robotics Development.”

Maynard, Elizabeth T; horticulture & landscape architecture, from Mary S. Rice Farm Estate, \$9,989, “Equipment for Small Plot Specialty Crops Research.”

McKinnis, David R; technical assistance program, from Indiana State Department of Health, \$8,674, “Strengthening Public Health Infrastructure for Improved Health - Health Improvement Planning.”

Meilan, Richard; forestry & natural resources, from Futuragene, Inc., \$9,980, “Field Testing Futuragene.”

Mengiste, Tesfaye D; botany & plant pathology, from Rural Development Administration, \$22,204, “Mechanisms of Plant Immunity to Fungal and Bacterial Pathogens.”

Meyer, Scott E; mechanical engineering, from Stennis Space Center, \$90,000, “Cryogenic Acoustic Suppression Fabrication and Testing.”

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

Mutchler, Jane F; management — Calumet campus, from Starke County Economic Development Foundation, \$10,000, “A Partnership to Serve Clients in Starke and Pulaski County with Business Services.”

Nachappa, Punya B; biology — Fort Wayne campus, from National Institute of Food & Agriculture, \$149,995, “Understanding Vector Efficiencies and Life Histories of Potential Thrips Vectors of Soybean Vein Necrosis Associated Virus.”

Neumeister, Norbert and Hacker, Thomas J; physics, computer & information technology, from Princeton University, \$250,000, “Statement of Work for Activities Related to the U.S. Compact Muon Solenoid (CMS) Software and Computing User Facilities Sub-Project for Fiscal Year 2014.”

Ni, Jiqin; agricultural & biological engineering, from City of Lafayette, \$1,600, “Lafayette Wastewater Sludge Fermentation Trial.”

Niyogi, Devdutta S; Biehle, Donald J and Scheeringa, Kenneth L; agronomy, Southeast-Purdue Agricultural Center, from Mary S. Rice Farm Estate, \$15,000, “Maintenance and Improvement of Purdue Agricultural Centers Weather Station Network — 2014.”

Oakes, William C; engineering education, from Multi-Sponsored Industrials, \$100, “Engineering Projects in Community Service (EPICS).”

Oakes, William C; engineering education, from Multi-Sponsored Industrials, \$1,700, “Engineering Projects in Community Service (EPICS).”

O'Donnell, Michael J; Boyer, Jeffrey L and Kladvko, Eileen J; field extension educators, Davis-Purdue Agricultural Center, agronomy, from Mary S. Rice Farm Estate, \$5,000, “Roller-Crimper for Cover Crop Management and Research at Davis Pac.”

O'Donnell, Michael J; Boyer, Jeffrey L and Kladvko, Eileen J; field extension educators, Davis-Purdue Agricultural Center, agronomy, from Mary S. Rice Farm Estate, \$1,158, “Soil Moisture and Temperature Sensors and Data Logger System.”

Pastakia, Sonak D and Karwa, Rakhi; pharmacy practice, from Indiana University, \$25,765, “AMPATH Plus.”

Patton, Aaron J; agronomy, from Syngenta Crop Protection Inc., \$7,800, “Multi - Sponsored.”

Patton, Aaron J; agronomy, from Bayer Cropscience LP (Environmental Science), \$16,000, “Multi-Sponsored.”

Patton, Aaron J; agronomy, from University of Nebraska-Lincoln, \$7,040, “Systems Approach to Poa Annua Control on Putting Greens.”

Pinal, Rodolfo; industrial & physical pharmacy, from Astrazeneca Pharmaceuticals LP, \$35,000, “Center for Pharmaceutical Processing Research Consortium.”

Pizlo, Zygmunt; psychological science, from Sandia National Laboratories, \$40,000, “Support from Sandia.”

Pourpoint, Timothee L; Bane, Sally P and Heister, Stephen D; aeronautical & astronautical engineering, from Missile Defense Agency, \$282,861, “Unsteady Hydrodynamic Flows in Injector Passages and Combustion Characterization of Fine Hypergolic Sprays; Modification 5; Grant 106238.”

Powley, Terry L; psychological science, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, \$58,107, “Autonomic Control of Body Weight and Feeding — Grant 105754.”

Prokopy, Linda S; Gramig, Benjamin M; Niyogi, Devdutta S; Song, Xiaohui C and Doering, Otto C; forestry & natural resources, agricultural economics, agronomy, academic technologies, from National Institute of Food & Agriculture, \$1,000,000, “Useful to Usable (U2U): Transforming Climate Variability and Change Information for Cereal Crop Producers.”

Prokopy, Linda S; Goforth, Reuben R and Williams, Rod N; forestry & natural resources, from Indiana Department of Natural Resources, \$171,327, “Developing an Outreach Campaign to Help Mussels in the Tippecanoe River.”

Raghunathan, Anand; electrical & computer engineering, from NEC Laboratories America Inc, \$40,000, “NEC Labs Gift.”

Ramkrishna, Doraiswami; chemical engineering, from Abbott Laboratories, \$25,000, “Modeling of Crystal Morphology and Polymorphs.”

Rapoport, Anatoli and Connaughton, Stacey L; curriculum & instruction, communication, from State, U.S. Department of, \$209,270, “Benjamin Franklin Transatlantic Summer Institute.”

Ratliff, Timothy L; comparative pathobiology, from Purdue University, \$10,260, “13-14 CC Special Incentive Research Grant (SIRG), Incr for Fee Remits.”

Redick, Thomas S; psychological science, from Georgia Institute of Technology, \$25,000, “Which Competencies Can Be Enhanced by Working Memory Training?.”

Revankar, Shripad T; nuclear engineering, from Naval Sea Systems Command Naval Surface Warfare Center (NAVSEA/NSWC) Crane, \$10,000, “Crane Fellowship for Thomas Adams.”

Rickus, Jenna L; agriculture — administration, from Indiana University Purdue University at Indianapolis, \$10,000, “Multi-Cellular, Multi-Niche 3-D Culture Model of Glioblastoma.” (a Discovery Park award — Birck Nanotechnology Center)

Rickus, Jenna L; agricultural & biological engineering, from Purdue University, \$11,360, “12-13 Bridge Funding.”

Rochet, Jean-Christophe; medicinal chemistry & molecular pharmacology, from Purdue University, \$15,265, “12-13 Bridge Funding.”

Rokhinson, Leonid P; physics, from National Science Foundation, \$120,000, “Non-Abelian Phases and Statistics in Spin-3/2 Hole Gases; Amendment 1 for Grant 106538.”

Rossmann, Michael G; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$399,963, “Structure and Function of Icosahedral Viruses.”

Roy, Kaushik; Raghunathan, Anand and Datta, Supriyo; electrical & computer engineering, from University of Minnesota, \$260,000, “Center for Spintronic Materials, Interfaces and Novel Architectures — C-Spin, Amendment No. 3.”

Sadeghi, Farshid; mechanical engineering, from Cummins Business Services, \$160,000, “Tribology Lab Research.”

Sadeghi, Farshid; mechanical engineering, from Honeywell Inc., \$165,000, “Tribology Lab Research.”

Salgado, Rodrigo and Prezzi, Monica; civil engineering, from Indiana Department of Transportation, \$16,000, “Load and Resistance Factor Design (LRFD) of Bridge Foundation Accounting for Pile Group-Soil Interaction.”

Sangid, Michael D; aeronautical & astronautical engineering, from Rolls-Royce Corporation, \$140,000, “RR Proposal for Fatigue Modeling of RR1000; to Continue Activities Under PO 4600109690.”

Sanson, Jeffrey J; agricultural economics, from Indiana Council for Economic Education, \$51,000, “\$Mart Indiana Financial Literacy Initiative.”

Saunders, Michael R and Jenkins, Michael A; forestry & natural resources, from Indiana Department of Natural Resources, \$19,500, “HEE Post-Doc Short Term.”

Scachitti, Susan M and Mapa, Lakshman B; engineering technology — Calumet campus, from Veterans Affairs, Department of, \$136,300, “Facilitating Yellow, Green and Black Belt Training Sessions.”

Scharenberg, Rolf P; physics, from U.S. Department of Energy, \$651,000, “The Experimental Study of the Phase Structure of Strongly Interacting Matter.”

Schwichtenberg, Amy J; child development & family studies, from PHS-NIH National Institute of Mental Health, \$244,724, “Self-Regulation and Sleep in Children at Risk for Autism Spectrum Disorders.”

Shah, Kavita; chemistry, from PHS-NIH National Cancer Institute, \$74,690, “Chemical Genetic Dissection of Aurora A in Promoting EMT Stem Cells Phenotype.”

Shah, Kavita; chemistry, from Purdue University, \$10,260, “1314 CC Special Incentive Research Grant (SIRG), Incr for Fee Remits.”

Shaver, Gregory M; mechanical engineering, from Eaton, \$750,000, “Enabling Ultra-High Engine System Efficiency via Flexible Valve Actuation.”

Shaver, Gregory M; mechanical engineering, from Cummins Engine Company Inc., \$25,000, “Model-Based Heavy Hybrid Vehicle Design Optimization and Control.”

Shaver, Gregory M; mechanical engineering, from Cummins, Inc., \$1,500,000, “Enabling Ultra-High Engine System Efficiency via Flexible Valve Actuation.”

Sheehan, Amy H; pharmacy practice, from Lilly (ELI) and Company, \$115,903, “Regulatory Fellowship Eli Lilly Portion.”

Shi, Riya and Smith, Daniel T; basic medical science, industrial & physical pharmacy, from PHS-NIH National Institute Neurological Disorders and Stroke, \$30,318, “Role of Acrolein in Spinal Cord Injury - Grant 105821.”

Shields, Cleveland G; child development & family studies, from PHS-NIH National Cancer Institute, \$452,852, “Social and Behavioral Influences on Clinical Communication and Pain Management.”

Shih, Tom I; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$7,500, “National Aeronautics and Space Administration (NASA) Scholarship for Samuel Otto (Training Grant).”

Shih, Tom I; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$7,500, “National Aeronautics and Space Administration (NASA) Scholarship for Christian Vuong (Training Grant).”

Shih, Tom I; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$7,500, “National Aeronautics and Space Administration (NASA) Scholarship for Emily Zimovan (Training Grant).”

Singh, Manpreet; food science, from Raelson, Lori a, \$75, “Multi-Sponsored Gift.”

Singh, Manpreet; food science, from Courseen, Daniel W, \$50, “Multi-Sponsored Gift.”

Sloan, Mary Anne; global affairs, from Laporte Hospital, \$760, “Multi-Sponsor Account I-HITEC.”

Sloan, Mary Anne; global affairs, from Northwest Indiana Eye Association, \$380, “Multi-Sponsor Account I-HITEC.”

Sloan, Mary Anne; global affairs, from Porter Starke Services Inc, \$3,040, “Multi-Sponsor Account I-HITEC.”

Sloan, Mary Anne; global affairs, from Southeast Anesthesiologists Pc, \$7,600, “Multi-Sponsor Account I-HITEC.”

Sloan, Mary Anne; global affairs, from Kokomo Surgical Group, \$1,520, “Multi-Sponsor Account I-HITEC.”

Snyder, Paul W and Zhang, Guangjun; comparative pathobiology, from Hoffmann-La Roche Inc., \$373,089, “Genomic Evaluation of Beagle Dogs with Idiopathic Canine Polyarteritis.”

Son, Steven F; mechanical engineering, from Nei Corporation, \$30,000, “Aluminum Core Shell Particles.”

Sondgerath, Travis C; field extension educators, from DeKalb County Community Foundation, \$860, “Missing Milk.”

Spafford, Eugene H; Raskin, Victor and Dark, Melissa J; center for education and research in information assurance and security (cerias), english, from National Science Foundation, \$76,500, “Preparing Cyber Security Leaders.”

Stewart, Kara R; Horstman, Lawrence A and Lemenager, Ronald P; animal sciences, veterinary clinical science, from Mary S. Rice Farm Estate, \$6,525, “Using Co-Products from Ethanol Production in Post-Partum Diets of Beef Cows to Optimize Reproductive Performance, Minimize Feed Costs, Maximize Land Usage, and Maximize Farm Profit.”

Sudhoff, Scott D; electrical & computer engineering, from Office of Naval Research, \$97,232, “ESRDC — Designing and Powering the Future Fleet; Modification 1 for Grant 106927.”

Sullivan, John P; aeronautical & astronautical engineering, from Brigham Young University, \$14,000, “Development and Delivery of Aerospace Capstone Project Q4 2013-Q4 2016.”

Sydnor, Sandra B; hospitality & tourism, from Indianapolis Museum of Art, \$7,000, “Service Blueprinting.”

Talavage, Thomas M; electrical & computer engineering, from Joseph or Mary Ann Talavage, \$10,000, “Talavage Voluntary Support.”

Taylor, Lynne S; industrial & physical pharmacy, from Merck & Company Inc., \$60,000, “Studies on Amorphous Solid Dispersion Aqueous Suspensions.”

Thom, James M; aviation technology, from Baere Aerospace Consulting Inc, \$10,000, “Baere Aerospace Extended Materials Compatibility Testing January 2014.”

Topp, Elizabeth M and Xie, Bo; industrial & physical pharmacy, from Abbvie Inc, \$120,277, “Development and Validation of Analytical Methods for Detection and Quantitation of Surfactant Proteins in Survanta®.”

Topp, Elizabeth M; Lill, Markus A; Park, Chiwook and Regnier, Fred E; industrial & physical pharmacy, medicinal chemistry & molecular pharmacology, chemistry, from PHS-NIH National Institute of General Medical Science, \$297,836, “Protein Aggregation in Amorphous Solids.”

Tran, Elizabeth; biochemistry, from PHS-NIH National Institute of General Medical Science, \$282,000, “The Role of Dead-Box Proteins in Gene Expression.”

Trice, Rodney W; materials engineering, from US Army Research, Development and Engineering Command (RDECOM), \$47,000, “Fabrication of Complex-Shaped Ceramic Components by Room-Temperature Injection Molding of Ceramic Suspension; Modification 1 for Grant 106736.”

Turco, Ronald F; Cherkauer, Keith A; Prokopy, Linda S and Whitford, Fred; agricultural & biological engineering, forestry & natural resources, botany & plant pathology, from U.S. Geological Survey, \$92,335, “Indiana Water Resources Research Center Program.” (a Discovery Park award — Global Sustainability Institute)

Tzempelikos, Athanasios; civil engineering, from Purdue University, \$22,523, “Office of the Vice President for Research (OVPR) Bridge Funding, a Tzempelikos.”

Vacca, Andrea; agricultural & biological engineering, from Turolla Opencircuitgear, \$50,050, “Investigation of a Novel Solution for External Gear Pumps Based on Asymmetric Gear Profiles.”

Volenc, Jeffrey J; agronomy, from International Plant Nutrition Institute, \$7,500, “Biofuel Research.”

Volenc, Jeffrey J; agronomy, from International Plant Nutrition Institute, \$20,000, “Global Maize.”

Wahlman, Joel R and Biehle, Donald J; Southeast-Purdue Agricultural Center, from Mary S. Rice Farm Estate, \$3,190, “GPS Components for Water Management.”

Walsh, Bridget M and Smith, Anne; speech, language and hearing sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$154,000, “Central and Peripheral Dynamics of Speech Production in Children Who Stutter.”

Wang, Xiuling; mechanical engineering — Calumet campus, from Los Alamos National Laboratory, \$12,000, “Continued Efforts for Developing KIVA-hpFE Package.”

Wanner, Barry L and Ritchie, Kenneth P; biological sciences, physics, from National Science Foundation, \$200,000, “Dynamic Characterization of a Model Signal Transduction System; Amendment 1 for Grant 106394.”

Wassgren, Carl R; mechanical engineering, from Purdue University, \$76,800, “Request for an MTS Machine for Powder and Compact Related Research.”

Weaver, Connie M; Byrn, Stephen R; Campbell, Wayne W; McCabe, George P; Ratliff, Timothy L; Story, Jon A; Wodicka, George R; Freeman, Lynetta; Leary, James F; Mattes, Richard D; Panitch, Alyssa; Savaiano, Dennis A; Teegarden, Dorothy; Turek, John J and Van Alstine, William G; foods & nutrition, industrial & physical pharmacy, science-administration, comparative pathobiology, graduate school administration, biomedical engineering, veterinary clinical science, basic medical science, Bindley Bioscience Center, health and human sciences, from Indiana University Purdue University at Indianapolis, \$466,614, “Indiana Clinical and Translational Science Institute.” (a Discovery Park award — Bindley Bioscience Center)

Weaver, Connie M; foods & nutrition, from Veterans Administration Medical Center/ San Francisco, \$13,814, “The Effect of Bariatric Surgery on Calcium Absorption.”

Wei, Alexander; chemistry, from Purdue University, \$20,556, “12-13 Bridge Funding.”

Weller, Stephen C; horticulture & landscape architecture, from Indiana Mint Market Development Council, \$10,000, “Research Efforts in Weed Management with Mint.”

Wilker, Jonathan J; chemistry, from Office of Naval Research, \$37,373, “Identifying and Attacking Themes in Marine Bioadhesion for Antifouling Coatings; Modification 4 for Grant 106388.”

Wilker, Jonathan J; chemistry, from Office of Naval Research, \$58,940, “Biomimetic Design Principles for Underwater, Sustainable, and Modulus Tailored Adhesives; Modification 4 for Grant 106398.”

Woloshuk, Charles P and Mengiste, Tesfaye D; botany & plant pathology, from National Corn Growers Association, \$20,000, “Transgenic Expression of a Major Plant Immunity Gene to Reduce Aflatoxin Contamination.”

Won, You-Yeon; chemical engineering, from Hyun Jung Jung, \$6,350, “Purdue University - Korea U BK Plus Partnership in Graduate.”

Ye, Peide; electrical & computer engineering, from Semiconductor Research Corporation, \$100,000, “InAs/GaSb Based Nanoscale 3-D III-V CMOS Amendment No. 2.”

Yeo, Yoon; Elzey, Bennett D and Galinsky, Raymond E; industrial & physical pharmacy, comparative pathobiology, from PHS-NIH National Institute of Biomedical Imaging & Bioengineering, \$361,350, “Environmentally-Adaptive Nanoparticles with Focal Irradiation for Cancer Therapy.”

Youngblood, Jeffrey P; materials engineering, from Indiana University Purdue University at Indianapolis, \$37,661, “2012-13 Joint MDPHD Program for Graduate Support; Yun Zhou.”

Zheng, Wei; health sciences, from PHS-NIH National Institute of Environment Health Science, \$328,292, “Choroid Plexus as a Target in Metal-Induced Neurotoxicity.”

Zhou, Chenn Q; Center for Innovation thru Visualization & Simulation, from Copan Diagnostics Inc, \$27,827, “Wasplab™ 3-D IMAX Experience.”

Zhou, Chenn Q; mechanical engineering — Calumet campus, from Franciscan Alliance, Inc., \$6,460, “St. Margaret ER 3-D Flythrough.”

Zhu, Jian-Kang; biochemistry, from PHS-NIH National Institute of General Medical Science, \$339,570, “DNA Demethylation and Transcriptional Gene Silencing.”

Zillich, Alan J; pharmacy practice, from R.L. Roudebush Veterans Administration Medical Center, \$17,037, “Intergovernmental Personnel Assignment (IPA) Agreement with Richard L. Roudebush VAMC.”

Zollner, Patrick A; Carlson, Donald E; Dacunto, Laura E; Chapman, Robert N and Jenkins, Michael A; forestry & natural resources, from Mary S. Rice Farm Estate, \$10,000, “Modeling Behavioral Response of Bat Maternity Colonies to Landscape-Level Forest Management Practices in Purdue Agriculture Centers.”

Zwier, Timothy S; chemistry, from Purdue University, \$96,848, “Chirped-Pulse Fourier Transform Microwave Spectrometer.” ■

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