

DIMENSIONS *of* DISCOVERY

Sponsored Program Awards

December 2014

Abbott, Angela R; health and human sciences, from Tina Mahern Events LLC, \$1,000, "Poverty Simulator Voluntary Support."

Abbott, Angela R and Eicher-Miller, Heather A; foods & nutrition, from State of Indiana, \$5,813,552, "Snap ED/FNP Project FY 2015."

Adeola, Olayiwola; animal sciences, from BASF Corporation, \$65,000, "BASF Research."

Agrawal, Rakesh and Tawarmalani, Mohit; chemical engineering, management, from U.S. Department of Energy, \$231,850, "Development of Method and Algorithms to Identify Easily Implementable Energy-Efficient Low-Cost Multicomponent Distillation Column Trains with Large Energy Savings for Wide Number of Separations."

Ajuwon, Kolapo; animal sciences, from Blue River Research Services, \$1,400, "Swine Research."

Aldrich, Daniel P; political science, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Alexander, Joshua M; speech, language and hearing sciences, from Purdue University, \$1,475, "1415 Summer Faculty Grant, Increase for Fringes, Alexander."

Alexander, Joshua M; speech, language and hearing sciences, from Purdue University, \$8,000, "1415 Summer Faculty Grant."

Aliprantis, Dionysios; electrical & computer engineering, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF): D. Alprantis."

Almanza, Barbara A; hospitality & tourism, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Anan, Muhammad T; electrical and computer engineering — Calumet campus, from Purdue University, \$2,183, "1415 Summer Faculty Grant (SFG), Increase for Fringes, Anan."

Anan, Muhammad T; electrical and computer engineering — Calumet campus, from Purdue University, \$8,000, "1415 Purdue Research Foundation (PRF) Summer Faculty Grant."

Anderson, William E and Meyer, Scott E; aeronautical & astronautical engineering, mechanical engineering, from Hypercomp Inc, \$666,296, "A Physics-Based Virtual Injector Screening Platform for ORSC Combustion."

Anderson, William E; aeronautical & astronautical engineering, from Analytical Mechanics Association, Inc, \$3,100, "Integrated Combustion Stability Analysis Assessment."

Appenzeller, Joerg; Chen, Zhihong and Datta, Supriyo; engineering administration engineering experiment, electrical & computer engineering, from Research Foundation of SUNY, \$500,000, "Institute for Nanoelectronics Discovery and Exploration (Index) - Phase II; Subcontract 13-10 Modification 1; 1109538-4-64200; Nerc 2013-Ne-2399, Amendment 3." (a Discovery Park award — Birck Nanotechnology Center)

Applegate, Todd J; animal sciences, from Huvepharma Inc, \$30,000, "Pyhtase in Poultry."

Applegate, Todd J; animal sciences, from Blue River Research Services, \$17,000, "Pyhtase in Poultry."

Aref, Walid G; computer science, from Intel Corporation, \$40,000, "Intel Gift — Curriculum Revision."

Bane, Sally P; aeronautical & astronautical engineering, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF); S. Bande."

Baributsa, Dieudonne; entomology, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF); D. Baributsa."

Bayley, William G; chemistry, from International School of Indiana, \$300, "Instrumentation Van Project."

Bayley, William G; chemistry, from Indianapolis Board of School Commissioners of the City of Indianapolis, \$2,100, "Instrumentation Van Project."

Bayley, William G; chemistry, from Metropolitan School District of Warren Twnshp, \$1,000, "Instrumentation Van Project."

Beaulieu, Lionel J; Office of Engagement, from University of North Alabama, \$6,000, "Multi-Sponsored Account (Purdue Center for Regional Development (PCRD))."

Beaulieu, Lionel J; Office of Engagement, from Cooperation Works, \$4,424, "Multi-Sponsored Account (Purdue Center for Regional Development (PCRD))."

Beaulieu, Lionel J; Track Express — Center for Regional Development, from American Society for Engineering Education, \$3,000, "Multi-Sponsored Account (Purdue Center for Regional Development (PCRD))."

Beaulieu, Lionel J and Hutcheson, John S; Track Express — Center for Regional Development, agriculture — administration, from Economic Development Administration, \$100,138, "Great Lakes Regional Training Initiative: An EDA University Centers Collaborative Phase 2."

Benes, Bedrich; computer graphics technology, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF): Bedrich Benes."

Biehl, Larry L; academic technologies, from Americaview Inc, \$1,000, "Stateview Program Development and Operations for the State of Indiana."

Bingham, Clifton W; computer science, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Blackmon, Samantha; English, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Blatchley, Ernest R; Applegate, Bruce M and Camp, Joseph W; civil engineering, food science, Office of the Provost, from Trask Trust Fund, \$30,512, "Continuous-Flow Solar UV Disinfection System."

Bobet, Antonio; civil engineering, from Indiana Department of Transportation, \$130,000, "Chemical Modification of Uniform Soils and Soils with High/Low Plasticity Index."

Bobet, Antonio; civil engineering, from Indiana Department of Transportation, \$12,793, "Assessment of Pipe Fill Heights-SPR-3857."

Bofferding, Laura C; curriculum & instruction, from Kinley Trust, \$4,997, "14-15 Non-Laboratory Research Equipment Program."

Bouman, Charles A; electrical & computer engineering, from Quantum Magnetics, \$58,209, "Advanced Reconstruction Algorithms for the 9000-9400 Hme System."

Bouman, Charles A; electrical & computer engineering, from General Electric Company, \$113,332, "Transitioning Advanced Imaging Technology to the Revolution System."

Britsch, Susan J; curriculum & instruction, from Kinley Trust, \$1,488, "14-15 Non-Laboratory Research Equipment Program."

Brower, Jeffrey E; philosophy, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Brown Vega, Margaret Y; anthropology — Fort Wayne campus, from Purdue University, \$8,000, "1415 Summer Faculty Grant."

Buckius, Richard O; Vice President for Research, from Purdue University, \$18,021, "1415 Purdue Research Foundation (PRF) XR: Indiana University Purdue University at Indianapolis (IUPUI) — Engineering/Technology, Julie Ji."

Buckius, Richard O; mechanical engineering, from Purdue University, \$1,417, "1415 Summer Faculty Grant (SFG), Increase for Fringes, Calix."

Buckius, Richard O; mechanical engineering, from Purdue University, \$1,417, "1415 Summer Faculty Grant (SFG).Increase for Fringes,M Brown Vega."

Buckius, Richard O; Vice President for Research, from Purdue University, \$10,400, "1415 Purdue Research Foundation (PRF) Summer Faculty Grant (SFG), Indiana University Purdue University at Indianapolis (IUPUI) Engineering/Technology: Sungsoo Na."

Buckius, Richard O; Vice President for Research, from Purdue University, \$10,400, "1415 Purdue Research Foundation (PRF) Summer Faculty Grant (SFG), Indiana University Purdue University at Indianapolis (IUPUI) — Engineering/Technology: Chien Chi Lin."

Bugusu, Betty A; Hamaker, Bruce R; Lowenberg-Deboer, James M; Nielsen, S S; Alexander, Corinne E; Ferruzzi, Mario; Ileleji, Klein; Ricker-Gilbert, Jacob E and Woloshuk, Charles P; food science, International Programs in Agriculture, agricultural economics, agricultural & biological engineering, botany & plant pathology, from US Agency for International Development, \$600,000, "Feed the Future Innovation Lab for Food Processing and Post-Harvest Handling." Buhman, Kimberly K; foods & nutrition, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Bullock, Darcy M; civil engineering, from Indiana Department of Transportation, \$90,000, "Variable Speed Limit Feasibility Study."

Bullock, Darcy M; civil engineering, from Traffax, Inc, \$150,000, "Sensor Fusion for Off-Line and Real-Time Traffic Analysis."

Bullock, Darcy M; civil engineering, from Indiana Department of Transportation, \$55,000, "Trafficware Valence Pod Detection System Indiana Department of Transportation (INDOT) Evaluation."

Burdick, Steven J; curriculum & instruction, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Byrn, Stephen R; industrial & physical pharmacy, from University of Chicago, \$20,462, "Pre-clinical Development of Myosolvins, a New Class of Medicine."

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

Caldwell, Barrett S; industrial engineering, from Indiana State University, \$1,000, "Indiana Space Grant Consortium (INSGC) Affiliate Dues."

Calix, Ricardo A; computer information technology — Calumet campus, from Purdue University, \$8,000, "1415 Purdue Research Foundation (PRF) Summer Faculty Grant."

Calve, Sarah; biomedical engineering, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF): S. Calve."

Camberato, James J; agronomy, from AGTEC Innovations Inc., \$2,000, "Multi-Sponsored."

Campbell, Noll L; pharmacy practice, from Regenstrief Institute for Health Care, \$1,440, "Noll Campbell MDM."

Cannon, Patrick J and Morrow, Silas R; social science — North Central campus, liberal arts — North Central campus, from Indiana Commission for Higher Education, \$245,000, "Concurrent Enrollment Training and Enrichment Academy."

Carlson, Bryce A; anthropology, from Purdue University, \$8,000, "1415 Summer Faculty Grant."

Carlson, Bryce A; anthropology, from Purdue University, \$1,475, "1415 Summer Faculty Grant (SFG), Increase for Fringes."

Carney, Thomas Q; aviation technology, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant: T. Carney."

Carson, Timothy D; mathematics — Fort Wayne campus, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant: T. Cason."

Cason, Timothy N and Bland, James; economics, management, from New York University Abu Dhabi, \$18,000, "Group Decisions in Indefinitely Long Interactions."

Casteel, Shaun N; agronomy, from Schaeffers Specialized Lubricants, \$3,000, "Soybean Extension Research."

Chadwick, Keith; industrial & physical pharmacy, from PhRMA Foundation, \$100,000, "Controlling Crystallization on Polymeric Excipients for the Advanced Manufacture of Drug Formulations."

Chakravarty, Sugato; consumer science & retail, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Chang, Chun-Ju; basic medical science, from Purdue University, \$8,000, "1415 Summer Faculty Grant."

Chang, Chun-Ju; basic medical science, from Purdue University, \$1,475, "1415 Summer Faculty Grant (SFG), Increase for Fringes,8-61534."

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University School of Medicine, \$88,000, "FY 14-15 Indiana University School of Medicine (IUSM)-Fort Wayne Expansion Funding State Support."

Chen, Dong; engineering — Fort Wayne campus, from Trask Trust Fund, \$27,686, "A Bioreactor System to Produce Enzyme and Mitigate Membrane Fouling for Municipal Wastewater Reuse."

Christian, John A; comparative pathobiology, from Western University of Health Sciences, \$5,655, "Cytology Resource Center."

Christmon, Kenneth C; diversity and multicultural affairs — Fort Wayne campus, from Indiana Department of Workforce Development, \$84,412, "Career and Technical Education Student Services 2014-2015; Amendment 1."

Claridge, Shelley A; chemistry, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Clark, Ann M; political science, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Cleveland, William S; statistics, from Stanford University, \$100,000, "D&R for Large Complex Data; Amendment 5, Grant 106346."

Connor, Robert J and Lloyd, Jason B; civil engineering, from Genesee and Wyoming Inc., \$32,286, "Field Instrumentation of Indiana Southern Railroad Bridge No. 19 Over Big White Lick Creek."

Cooks, Robert G; chemistry, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Coppoc, Gordon L; medical education, from Indiana University, \$5,000, "FY14-15 Indiana University School of Medicine (IUSM)-Lafayette Student and Faculty Recruitment & Retention."

Cox, Monica F; engineering education, from Norfolk State University, \$45,816, "Integrative Graduate Education and Research Traineeships Program in Magnetic and Nanostructured Materials."

Cramer, William A; biological sciences, from PHS-NIH National Institute of General Medical Science, \$311,850, "Trans-Membrane Signaling in the Cytochrome b6f Lipoprotein Complex."

Crossley, William A; aeronautical & astronautical engineering, from University of Michigan, \$28,871, "Scalable Multifidelity Design Optimization: Next Generation aircraft and Their Impact on the Air Transportation System."

Curtis, Susan; history, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Daniel, Jaiyanth; biology — Fort Wayne campus, from Purdue University, \$1,417, "1415 Summer Faculty Grant (SFG), Increase for Fringes, Daniel."

Daniel, Jaiyanth; biology — Fort Wayne campus, from Purdue University, \$8,000, "1415 Summer Faculty Grant."

Davisson, Vincent J; medicinal chemistry & molecular pharmacology, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Deering, Amanda J; food science, from Dole, \$2,000, "Multi-Sponsored Gift Account."

DeLaurentis, Daniel A; Bagchi, Saurabh and Heister, Stephen D; aeronautical & astronautical engineering, electrical & computer engineering, from Missile Defense Agency, \$124,000, "An Agent-Based Concept for an Enhanced Command and Control, Battle Management, and Communications (C2BMC) Architecture."

DeLaurentis, Daniel A and Marais, Karen; aeronautical & astronautical engineering, from Stevens Institute of Technology, \$187,500, "Assessing the Impact of Development Disruptions and Dependencies in System of Systems (SoS)."

Delp, Edward J; electrical & computer engineering, from Curtin University of Technology, \$20,000, "Using Technology to Improve Dietary and Health Behaviors."

Deng, Qing; biological sciences, from Purdue University, \$30,000, "1415 Jim & Diann Robbers Cancer Research Grant."

Dillman, Brian G; aviation technology, from Federal Aviation Administration, \$716, "Project 3: Angle of Attack Equipment for General Aviation Operations."

Dolby, Nadine E; curriculum & instruction, from Kinley Trust, \$1,250, "14-15 Non-Laboratory Research Equipment Program."

Doucette, Suzanne C; chemistry, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Duerstock, Bradley S; biomedical engineering, from Indiana State Department of Health, \$120,000, "Telemonitoring of Autonomic Dysfunction in Persons with Spinal Cord Injuries for the Prevention of Secondary Health Complications."

Dukes, Jeffrey S; biological sciences, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Dunston, Phillip S and Bobet, Antonio; civil engineering, from Indiana Department of Transportation, \$125,000, "Proof Rolling

of Foundation Soil and Prepared Subgrade During Construction-SPR 3906."

Duran, Angelica A; English, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Dutta, Debasish; Jamieson, Leah H; Bertoline, Gary R and Mullins, James L; Office of the Provost, engineering administration engineering experiment, technology administration, library administration, from Lilly Endowment Inc., \$40,000,000, "Purdue Moves Indiana Forward."

Ejeta, Gebisa; agronomy, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

El-Azab, Anter A; nuclear engineering, from Livermore, Lawrence National Laboratory, \$62,000, "Domain Specific Language (DSL) for Microstructure Science."

Elliott, Stephen J; industrial technology, from Paycasso, \$20,371, "100 Person Test."

Emery, Nancy C; biological sciences, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Engelberth, Abigail S; agricultural & biological engineering, from Purdue University, \$8,000, "1415 Summer Faculty Grant."

Engelberth, Abigail S; agricultural & biological engineering, from Purdue University, \$1,494, "1415 Summer Faculty Grant (SFG), Increase for Fringes, Engelberth."

Erk, Kendra A; materials engineering, from Purdue University, \$8,000, "1415 Summer Faculty Grant."

Erk, Kendra A; materials engineering, from Purdue University, \$1,749, "1415 Summer Faculty Grant (SFG), Increase for Fringes; Erk."

Ertmer, David J; speech, language and hearing sciences, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Exter, Marisa E; curriculum & instruction, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Fahmy, Sonia A; computer science, from Hewlett Packard, \$25,000, "Hewlett Packard."

Fankhauser, Gerald J; agriculture — administration, from Indiana State Department of Agriculture, \$15,000, "2014 I Love Turkey Campaign."

Fei, Songlin; forestry & natural resources, from Russell O. Blosser Memorial Fellowship, \$750, “Clark, Teresa.”

Felluga, Dino F; English, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Fernandez-Juricic, Esteban; biological sciences, from Animal Plant Health Inspection Service, \$3,156, “Novel Applications of Avian Sensory Ecology to Reduce the Negative Impacts of Pest Birds to Agricultural Crop Production.”

Ferruzzi, Mario; food science, from Virginia Technology, \$51,341, “Development and Assessment of a Fortified Instant Cereal Product for Senegalese Market.”

Ferruzzi, Mario; food science, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Field, William E; agricultural & biological engineering, from Bassett Healthcare Network, \$1,500, “Breaking New Ground.”

Finke, Linda M; health & human services — Fort Wayne campus, from Indiana Family Health Council, \$31,702, “Lafayette Street Family Health Clinic — Insurance Navigator Grant — Title X.”

Finley, John P; physics, from Smithsonian Astrophysical Observatory, \$7,400, “VERITAS: Very Energetic Radiation Imaging Telescope Array System.”

Flesch, Lucy M; earth & atmospheric sciences, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Foray, Jennifer L; history, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Fouche, Rayvon D; American studies, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Fuchs, Philip L; chemistry, from John Wiley & Sons Limited England, \$4,000, “E-Encyclopedia of Reagents for Organic Synthesis.”

Gallant, Kathleen H; foods & nutrition, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Gallant, Kathleen H; foods & nutrition, from Purdue University, \$1,475, “1415 Summer Faculty Grant (SFG), Increase for Fringes; Gallant.”

Garimella, Suresh V; mechanical engineering, from Northrop Corporation (Grumman), \$30,000, “Cooling Technologies Research Center (Cooling Technologies Research Center (CTRC)) 2012-2013 Membership — Memo Match for 106029.”

Garimella, Suresh V; mechanical engineering, from Futurewei Technologies Inc, \$30,000, “Cooling Technologies Research Center (Cooling Technologies Research Center (CTRC)) 2012-2013 Membership — Memo Match for 106029.”

Garimella, Suresh V; mechanical engineering, from Purdue University, \$18,021, “1415 Indiana University Purdue University at Indianapolis (IUPUI) — Science; Steve Presse.”

Garimella, Suresh V; mechanical engineering, from Purdue University, \$41,600, “1415 Summer Faculty Grant (SFG): Indiana University Purdue University at Indianapolis (IUPUI); Science.”

Gentry, Marcia L; educational studies, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Ghiselli, Richard F; hospitality & tourism, from Qian Chen, \$900, “HTM Advisory Council.”

Gibson, Kevin D; Benjamin, Tamara J; Thompson, Amy F; Brouder, Sylvie M and Ileleji, Klein; botany & plant pathology, field extension agents, agronomy, agricultural & biological engineering, from University of Minnesota, \$194,732, “Evaluating the Impact of Biochar on Soil Fertility and Crop Productivity through Farmer Participatory Research and a Student Internship Program.”

Gibson, Kevin D; botany & plant pathology, from University of Alaska, \$18,488, “Michele Yatchmeneff Ansep.”

Gilbert, Hersch J; earth & atmospheric sciences, from U.S. Geological Survey, \$37,197, “Microseismicity in the Ste. Genevieve, Wabash Valley and Rough Creek Seismic Zones Using Earth Scope Flexarray Data: Implications for Earthquake Hazards: Collaborative Research with Indiana University.”

Ginzel, Matthew D; entomology, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Gleich, David F; computer science, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Gounder, Rajamani P; chemical engineering, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Gounder, Rajamani P; chemical engineering, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant; R. Gounder.”

Gounder, Rajamani P; chemical engineering, from Purdue University, \$1,475, “1415 Summer Faculty Grant (SFG), Increase for Fringes; Gounder.”

Grant, Michael J; aeronautical & astronautical engineering, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF); M. Grant.”

Gruenbaum, Ellen R; anthropology, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Haddock, John E and Krogmeier, James V; civil engineering, electrical & computer engineering, from Indiana Department of Transportation, \$78,285, “Algorithm and Software for Proactive Pothole Repair.”

Hall, Mark C; biochemistry, from Summer Science Program, \$64,960, “Using Biochemistry and Evolution to Enable Drug Discovery.”

Hall, Mark C; biochemistry, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Hambrusch, Susanne E; Korb, John T and Lehman, James D; computer science, education — administration, from Michigan State University, \$438,357, “Cs 10k: Leading the Way to Cs10k: Assessing a Just-In-Time Professional Development Approach for Teacher Knowledge Growth in Computer Science.”

Han, Qingyou; engineering technology, from Wuhan Zhijacheng Education Consulting, \$10,000, “Center for Materials Processing Research (CMPR).”

Handa, Avtar K; horticulture & landscape architecture, from Embassy of the Arab Republic of Egypt, \$7,200, “Bench Fees — Professor Reda E.a Moghaieb.”

Handa, Avtar K; horticulture & landscape architecture, from Embassy of the Arab Republic of Egypt, \$7,200, “Bench Fees — Dr. Mohammed.”

Handwerker, Carol A; materials engineering, from Foresite, Inc, \$6,000, “Foresite Tin Whiskers Research.”

Hazbun, Tony R; medicinal chemistry & molecular pharmacology, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Hazbun, Tony R; medicinal chemistry & molecular pharmacology, from Purdue University, \$1,476, “1415 Summer Faculty Grant (SFG), Increase for Fringes; Hazbun.”

Hazbun, Tony R; medicinal chemistry & molecular pharmacology, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Hedayat, Ahmadrza; engineering — Fort Wayne campus, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Hedayat, Ahmadrza; engineering — Fort Wayne campus, from Purdue University, \$1,442, “1415 Summer Faculty Grant (SFG), Incr for Fringes, a Hedayat.”

Heeg, Marlene O; pharmacy — administration, from Teva Pharmaceuticals, USA, \$113,150, “Contemporary Multiple Sclerosis Management: Identifying and Overcoming Challenges in the Managed Care Setting.”

Heeg, Marlene O; pharmacy — administration, from Salix Pharmaceuticals, Inc., \$1,200,000, “2015 CLFD EXPAND Series.”

Heeg, Marlene O; pharmacy — administration, from Alcon Laboratories, Inc., \$160,000, “Recognizing and Managing Dry Eye Syndrome in the Pharmacy Setting.”

Heeg, Marlene O; pharmacy — administration, from Genzyme Corporation, \$394,070, “Employing Shared Decision Making Throughout the Course of Multiple Sclerosis: Compelling Cases in Patient Management (150203156).”

Heeg, Marlene O; pharmacy — administration, from Ironwood Pharmaceuticals Inc, \$30,000, “2014 Rome Update from Ddw.”

Heinz, Michael G; speech, language and hearing sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$322,530, “Effects of Sensorineural Hearing Loss on Robust Speech Coding.”

Helie, Sebastien; psychological science, from University of California - Santa Barbara, \$94,004, “The Cognitive Neuroscience of Human Category Learning.”

Hertel, Thomas W; agricultural economics, from U.S. International Trade Commission, \$19,650, “Global Trade Analysis Project (GTAP) Consortium.”

Hertel, Thomas W; agricultural economics, from Stanford University, \$161,072, “Research in Integrated Assessment Inter-Model Development, Testing and Diagnostics.”

Hertel, Thomas W; agricultural economics, from Economic Research Service, \$19,650, “Global Trade Analysis Project (GTAP) Consortium.”

Hoagland, Lori A; Egel, Daniel S and Mengiste, Tesfaye D; horticulture & landscape architecture, botany & plant pathology, from National Institute of Food & Agriculture, \$1,987,150, “Practical Approach to Controlling Foliar Pathogens in Organic Tomato Production through Participatory Breeding and Integrated Pest Management.”

Howarter, John A; materials engineering, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF): J. Howarter.”

Hrycyna, Christine A; chemistry, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

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

Hudmon, Karen S; pharmacy practice, from Indiana University, \$10,650, “IU School of Nursing 2013-14 Pilot Project.”

Hwang, Inseok; aeronautical & astronautical engineering, from Optimal Synthesis Inc, \$50,000, “Intent-Based Data Mining for Identifying and Classifying Conflict Detection and Resolutions from Historical Aircraft Track Data.”

Hynes, Morgan M; engineering education, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant: M. Hynes.”

Ingrao, Charles W; history, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Irudayaraj, Joseph M; Ziaie, Babak and Goergen, Craig J; agricultural & biological engineering, electrical & computer engineering, biomedical engineering, from Trask Trust Fund, \$25,000, “Ultrasound Triggered Drug Release and Imaging Using Oxygen Nanobubbles.” (a Discovery Park award — Bindley Bioscience Center)

Isaac-Lam, Meden F; chemistry — North Central campus, from Indiana Academy of Science, \$2,993, “Bifunctional Therapeutic and Imaging Agents for Alzheimers Disease.”

Ishii, Mamoru; nuclear engineering, from Bettis Atomic Power Laboratory, \$150,685, “Boiling Late Model Development and Verification of Ansys Computational Fluid Dynamics Software (CFX) Tool Packages.”

Ishii, Mamoru; nuclear engineering, from Bechtel Bettis, Inc., \$50,000, “Investigation of Interfacial Shear Term for Two Phase Flow Using a Three-Field Two-Fluid Model.”

Jacobs, Douglass F and Lichti, Nathanael I; forestry & natural resources, from National Institute of Food & Agriculture, \$149,983, “Prediction and Management of American Chestnut (*Castanea Dentata*) Stand Dynamics with Natural Regeneration and Blight-Induced Mortality.”

Jiang, Keyuan and Calix, Ricardo A; computer information technology — Calumet campus, from PHS-NIH National Library of

Medicine, \$359,922, “Detection of Potential Drug Effects from Twitter Data.”

Jiang, Qing; foods & nutrition, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Johnson, Carla J; curriculum & instruction, from Wabash Valley Educational Service Center, \$229,500, “Wabash Valley Education Center — Science, Technology, Engineering & Mathematics (STEM) Magnet Curriculum & Training Support.”

Johnson, Mary E; Thom, James M; Kilaz, Gozdem and Gore, Jay P; aviation technology, mechanical engineering, from Federal Aviation Administration, \$1,505,212, “Federal Aviation Administration (FAA) Wjhtc Fuels Program -Phase 1 Rig Testing for Next-Gen Alternative Fuels for General Aviation.”

Johnson, Mary E; aviation technology, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant: M. Johnson.”

Johnston, Cliff T; agronomy, from Clay Minerals Society, the, \$4,640, “Memorandum of Understanding Between Department of Agronomy Purdue University and Clay Mineral Society.”

Johnston, Cliff T; agronomy, from Clay Minerals Society, the, \$20,000, “Memorandum of Understanding Between Department of Agronomy Purdue University and Clay Mineral Society.”

Kannan, Karthik N; management, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant: K. Kannan.”

Kaplan, Ian and Angelella, Gina M; entomology, from National Institute of Food & Agriculture, \$39,500, “Are Crop Virus Dynamics Influenced by Aphid Secondary Endosymbionts?”

Karava, Panagiota; civil engineering, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF): P. Karava.”

Kasinski, Andrea L; biological sciences, from PHS-NIH National Cancer Institute, \$222,969, “Identification and Therapeutic Application of Mirna-Drivers in Lung Cancer.”

Kearl, Michelle K; communication — Fort Wayne campus, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Kearl, Michelle K; communication — Fort Wayne campus, from Purdue University, \$1,417, “1415 Summer Faculty Grant (SFG), Increase for Fringes; Kearl.”

Keener, Kevin M; food science, from Scratch Street Food LLC, \$100, “Multi-Sponsored Gift.”

Keith, Douglas P and Jiang, Yi; building construction & management technology, from PVR Limited, \$3,728, “Comparison Acid Base to Non-Acid Base Injection for Soil (Ch) Stabilization.”

Kelly, Ashley R; communication, from Purdue University, \$15,510, “Networked Expertise in Multidisciplinary Science, Technology, Engineering & Mathematics (STEM) Collaborations.”

Kenttamaa, Hilikka I; chemistry, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Kenttamaa, Hilikka I; chemistry, from Neste Oil Oyj, \$6,000, “Kenttamaa Voluntary Support.”

Khabeer, Suad; anthropology, from Purdue University, \$1,475, “1415 Summer Faculty Grant (SFG), Increase for Fringes; Khabeer.”

Khabeer, Suad; anthropology, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Kim, Kee Hong; food science, from Purdue University, \$1,476, “1415 Summer Faculty Grant (SFG), Increase for Fringes; Kim.”

Kim, Kee Hong; food science, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Kim, Kee Hong and Liu, Xiaoqi; food science, Cancer Research Center, from PHS-NIH National Cancer Institute, \$74,653, “Role of Piceatannol in Cancer Cachexia.”

Kim, Kee Hong; food science, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Kirkpatrick, Jane M; nursing, from PHS-HRSA National Center for Health Servs Res, \$44,227, “North Central Nursing Clinics (NCNC).”

Klimeck, Gerhard; electrical & computer engineering, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF): G. Klimeck.” (a Discovery Park award — Network for Computational Nanotechnology)

Klimeck, Gerhard; electrical & computer engineering, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF): G. Klimeck.” (a Discovery Park award — Network for Computational Nanotechnology)

Kluender, Keith R; speech, language and hearing sciences, from Indiana Lions Speech and Hearing Inc., \$2,500, “Clinical Support for Speech-Language-Audiology Services from the Indiana Lions Club.”

Knipp, Gregory T; industrial & physical pharmacy, from Omm Scientific, Inc, \$110,000, “Saliphe, a Broad Spectrum Antiviral for Encephalitic Alphaviruses.”

Kramer, Rebecca K; mechanical engineering, from Purdue University, \$1,475, “1415 Summer Faculty Grant (SFG), Increase for Fringes; Kramer.”

Kramer, Rebecca K; mechanical engineering, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Lacount, Douglas J; medicinal chemistry & molecular pharmacology, from Purdue University, \$59,974, “EVPRP Bridge Funding; Doug Lacount.”

Lang, Rafael F; physics, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Latif, Niaz and Zahraee, Mohammad A; technology — Calumet campus, engineering technology — Calumet campus, from Sinclair Community College, \$81,332, “Leadership Capacity Building for Manufacturing and Manufacturing-Related Programs.”

Lehman, James D; curriculum & instruction, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Levine, Michael; statistics, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant for Michael Levine.”

Li, Jia; management, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant; J. Li.”

Li, Tonglei; industrial & physical pharmacy, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Liceaga, Andrea M; food science, from Maplehurst Bakeries Inc., \$1,000, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Wisener, Dane or Lindsay, \$4,000, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Bay Valley Foods LLC, \$750, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Cornfields Inc, \$2,000, “Multi-Sponsored Gift-Sensory.”

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

Liceaga, Andrea M; food science, from Bay Valley Foods LLC, \$6,780, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Sloneker, Mark a, \$2,000, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Heartland Food Products Group, \$4,020, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Gehl Food, \$2,500, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Morgan Foods Inc., \$750, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Turkey Hill Dairy, \$5,000, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Impossible Foods Inc., \$2,055, “Multi-Sponsored Gift-Sensory.”

Liceaga, Andrea M; food science, from Maplehurst Bakeries Inc., \$1,000, “Multi-Sponsored Gift-Sensory.”

Light, Michael T; sociology, from Purdue University, \$1,475, “1415 Summer Faculty Grant (SFG), Increase for Fringes, Light.”

Light, Michael T; sociology, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Lindsay, Ian C; anthropology, from Purdue University, \$54,264, “Investigating Territorial Commitments and Long-Term Political Process within Bronze and Iron Age Fortified Landscapes in Armenia.”

Litster, James D; chemical engineering, from Procter & Gamble Company, \$25,000, “Litster Research from P & G.”

Litster, James D; chemical engineering, from Astrazeneca Pharmaceuticals LP, \$297,000, “Astra Zeneca Twin Screw Granulation.”

Liu, Zhongming; electrical & computer engineering, from National Institutes of Health, \$434,120, “Multimodal Hyperspectral Imaging of Brain Activity and Connectivity.”

Lopez, Roberto G; horticulture & landscape architecture, from Four Star Greenhouse Inc, \$3,000, “Multi-Sponsored Gift Account.”

Lu, Yung-Hsiang; electrical & computer engineering, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF): Y. Lu.”

Lucht, Robert P; mechanical engineering, from U.S. Department of Energy, \$120,000, “Advanced Nonlinear Optical Methods for Quantitative Measurements in Flames.”

Lucht, Robert P; Gore, Jay P; Meyer, Scott E; Slabaugh, Carson D and Sojka, Paul E; mechanical engineering, from Federal Aviation Administration, \$250,000, “Federal Aviation Administration (FAA) Coe Ascent: National Jet Fuels Combustion Program: Area 5 Atomization Tests and Models.”

Lukasik, Christopher J; English, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Luo, Zhao-Qing; biological sciences, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant: Z. Luo.”

Ma, Jianxin and Rainey, Katherine M; agronomy, from National Institute of Food & Agriculture, \$490,000, “Deciphering the Molecular Basis of Soybean Science, Technology, Engineering & Mathematics (STEM) Growth Habit.”

MacDermid Wadsworth, Shelley; child development & family studies, from Lilly Endowment Inc., \$3,573,000, “Mobilizing Innovation to Support Military and Veteran Families.”

MacDermid Wadsworth, Shelley; child development & family studies, from Student Veterans of America, \$34,830, “MFRI Support to Student Veterans of America.”

MacDermid Wadsworth, Shelley; child development & family studies, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

MacDermid Wadsworth, Shelley; Topp, Dave; Christ, Sharon L and Dietz, James E; child development & family studies, computer & information technology, from National Institute of Food & Agriculture, \$1,363,636, “Using ‘Practical Rigor’ to Evaluate U.S. Military Family Support Programs: Development and Implementation Plans.”

Machaty, Zoltan; animal sciences, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Madhavan, Krishna; engineering education, from The Boeing Company, \$6,223, “Analysis and Visualization of Engineering Course Clickstream, Social Networking, and Collaboration Among Students.”

Madhavan, Krishna; engineering education, from The Boeing Company, \$85,856, “Analysis and Visualization of Engineering Course Clickstream, Social Networking, and Collaboration Among Students Amendment No. 1.”

Maeda, Yukiko; educational studies, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Main, Joyce B; engineering education, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research: J. Main.”

Mancing, Howard; foreign language & literature, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Manfra, Michael J; physics, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Mantzicopoulos-James, Panayota Y; educational studies, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Mao, Chengde; chemistry, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Marconnet, Amy M; mechanical engineering, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Marconnet, Amy M; mechanical engineering, from Purdue University, \$1,469, “1415 Summer Faculty Grant (SFG), Increase for Fringes, Marconnet.”

Marsh, Dawn G; history, from Purdue University, \$37,680, “From Africa to the Rez: the Woven History of the Navajo Blanket.”

Martinez, Carlos J; materials engineering, from PPG Industries, \$60,000, “Phase IV: Encapsulation of Amine Catalysts and Epoxy in Rigid Capsules from Double Emulsions.”

Martinez, Carlos J; Youngblood, Jeffrey P and Sun, Chin-Teh; materials engineering, aeronautical & astronautical engineering, from Defense Threat Reduction Agency, \$74,310, “Development of Acoustic Metamaterials with Anisotropic Mass Densities for Blast Wave Mitigation.”

Matson, Eric T; computer & information technology, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant: E. Matson.”

Mattes, Richard D; foods & nutrition, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Mattoo, Seema; biological sciences, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Mattoo, Seema; biological sciences, from Purdue University, \$1,475, “1415 Summer Faculty Grant (SFG), Increase for Fringes, Mattoo.”

McBride, William L; philosophy, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

McCann, James A; political science, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

McDaniel, Rebecca S; civil engineering, from Indiana Department of Transportation, \$276,000, “Tack Coat Installation Performance Guidelines-SPR 3904.”

McDonough, Meghan H; health & kinesiology, from Kinley Trust, \$3,356, “14-15 Non-Laboratory Research Equipment Program.”

McDonough, Meghan H; health & kinesiology, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

McKee, Renee K; field education administration 4-H cost center, from National 4-H Council, \$25,000, “Monsanto 4-H Ag Innovators Experience.”

McKinley, Steven K and Wynkoop, Ryan D; agriculture — administration, from Kansas State University, \$26,500, “Indiana 2015 4-H Military Partnership Grant.”

McKinnis, David R and Sloan, Mary Anne; Technical Assistance Program, Office of Global Affairs, from Indiana State Department of Health, \$8,707, “Strengthening Public Health Infrastructure for Improved Health — Health Improvement Planning.”

McLennan, Michael J; academic technologies, from University of North Carolina, \$60,538, “Establishing a Prototype Hub for the Mathematics and Climate Research Network.”

McMullen, Shannon C; visual & performing arts, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Mengiste, Tesfaye D; botany & plant pathology, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Mesecar, Andrew D; biological sciences, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Mickelbart, Michael V; horticulture & landscape architecture, from Purdue University, \$8,000, "1415 Summer Faculty Grant."

Mickelbart, Michael V; horticulture & landscape architecture, from Purdue University, \$1,476, "1415 Summer Faculty Grant (SFG), Increase for Fringes; Mickelbart."

Minton, David A; earth & atmospheric sciences, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Nakanishi, Hisao; physics, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Nakatsu, Cindy H; agronomy, from EnP Investments, \$4,000, "Microbial Analysis."

Narimanov, Evgeniy; electrical & computer engineering, from Norfolk State University, \$46,667, "Control of Light-Matter Interactions with Metamaterials." (a Discovery Park award — Birck Nanotechnology Center)

Nasr, Assem; communication — Fort Wayne campus, from Purdue University, \$1,417, "1415 Summer Faculty Grant (SFG), Increase for Fringes; Nasr."

Nasr, Assem; communication — Fort Wayne campus, from Purdue University, \$8,000, "1415 Summer Faculty Grant."

Nennich, Tamilee D; animal sciences, from Merial Limited, \$16,445, "Effect of Longrange on the Growth of Post-Weaned, Grazing Dairy Heifers."

Ni, Jiqin; agricultural & biological engineering, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Nie, Linda H; health sciences, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Niser, John C; consumer & family sciences — Fort Wayne campus, from International University Bad Honnef Bonn, \$7,000, "HSDC Consortium."

Obenchain, Kathryn M; curriculum & instruction, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Ogas, Joseph P and Leung, Yuk Fai; biochemistry, biological sciences, from PHS-NIH National Cancer Institute, \$143,501, "Determination of the Role of CHD5 Tumor Suppressor in the Zebrafish Model."

Ogata, Niwako; veterinary clinical science, from Waltham Foundation, \$19,745, "Comparing Brain Derived Neurotropic Factor (BDNF) Levels in Separation Anxiety and Non-Separation Anxiety Dogs."

Ohland, Matthew W; engineering education, from Kinley Trust, \$2,548, "14-15 Non-Laboratory Research Equipment Program."

Ortalan, Volkan; materials engineering, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF): V. Ortalan."

Osswald, Sebastian; materials engineering, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF): S. Osswald."

Overholser, Brian R; pharmacy practice, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Owens, Phillip R; agronomy, from Catholic Relief Services, \$152,511, "From Guessing to Precision — Soil Fertility Management in Central America — Getting the Dots Connected."

Patton, Aaron J; horticulture & landscape architecture, from FMC Corporation, \$2,800, "Multi-Sponsored."

Patton, Aaron J; horticulture & landscape architecture, from Control Solutions Inc., \$12,400, "Multi-Sponsored."

Patton, Aaron J; horticulture & landscape architecture, from University of Nebraska-Lincoln, \$7,201, "Systems Approach to Poa Annua Control on Putting Greens Amendment No. 1."

Paul, Kristina; educational studies, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Perissin, Daniele; civil engineering, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF): Daniele Perissin."

Peroulis, Dimitrios; electrical & computer engineering, from Ima Life, \$18,000, "IMA Life." (a Discovery Park award — Birck Nanotechnology Center)

Peroulis, Dimitrios and Scott, Sean M; electrical & computer engineering, from Landauer, \$475,000, "Microelectromechanical System (MEMS)-Scale Advanced Radiation Sensor Program." (a Discovery Park award — Birck Nanotechnology Center)

Pijanowski, Bryan C; forestry & natural resources, from Russell O. Blosser Memorial Fellowship, \$750, "Harris, Matthew."

Pol, Vilas G; chemical engineering, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant: V. Pol."

Pourpoint, Timothee L; Bane, Sally P and Heister, Stephen D; aeronautical & astronautical engineering, from Missile Defense Agency, \$30,000, "Unsteady Hydrodynamic

Flows in Injector Passages and Combustion Characterization of Fine Hypergolic Sprays."

Powell, Manushag; English, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Proctor, Robert W; psychological science, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Pyrak-Nolte, Laura J; physics, from Lawrence Berkeley National Laboratory, \$140,000, "Center for Nanoscale Controls on Geologic CO₂ (NCGC)."

Ramachandran, P V; chemistry, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Ramani, Karthik; mechanical engineering, from University of Maryland, \$72,730, "CHS: Small: C3DaR-Collection, Creation, and Collaboration for Engineering Design and Reflection."

Ratliff, Timothy L; comparative pathobiology, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Ratliff, Timothy L; Cancer Research Center, from Walther Cancer Institute Foundation Inc, \$100,000, "Center Directors Developmental Funds Award."

Ren, Tong; chemistry, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Revankar, Shripad T; nuclear engineering, from Canadian Nuclear Safety Commission, \$159,530, "Probabilistic Assessment of Leak Rates through Steam Generator Tubes."

Rickus, Jenna L; agricultural & biological engineering, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Rickus, Jenna L; agricultural & biological engineering, from National Aeronautics and Space Administration, \$50,000, "Sporesat." (a Discovery Park award — Birck Nanotechnology Center)

Roberts, Carly A; educational studies, from Purdue University, \$8,000, "1415 Summer Faculty Grant."

Roberts, Carly A; educational studies, from Purdue University, \$28,281, "1415 Purdue Research Foundation (PRF) Research Grant."

Roberts, Carly A; educational studies, from Purdue University, \$1,475, "1415 Summer Faculty Grant (SFG). Increase for Fringes, Roberts."

Rochet, Jean-Christophe; medicinal chemistry & molecular pharmacology, from University of Minnesota, \$78,209, “Multiplexed Kinase Biosensor Technology to Detect Leukemia Signaling with Mass Spectrometry.”

Roy, Kaushik; Raghunathan, Anand and Datta, Supriyo; electrical & computer engineering, from University of Minnesota, \$240,000, “Center for Spintronic Materials, Interfaces and Novel Architectures — C-Spin Amendment No. 4.”

Roy, Kaushik; electrical & computer engineering, from HRL Laboratories, LLC, \$74,257, “Unconventional Processing of Signals for Intelligent Data Exploitation (Upside).”

Roy, Kaushik; electrical & computer engineering, from Semiconductor Research Corporation, \$85,000, “Ultra Low Power Neuromorphic/Non-Boolean Computing with Spin-Devices Amendment 2.”

Rozhon, Atina M; field extension educators, from Jennings County Community Foundation, \$500, “Reading Made Fun.”

Sadeghi, Farshid; mechanical engineering, from Cummins Business Services, \$60,000, “Tribology Lab Research.”

Salazar, Kara A; Doucette, Jarrod S and Pijanowski, Bryan C; forestry & natural resources, from Indiana Department of Natural Resources, \$17,915, “Tipping Points and Indicators: Engaging Great Lakes Communities to Develop Tipping Point Action Plans.”

Samarapungavan, Ala; educational studies, from Kinley Trust, \$3,000, “14-15 Non-Laboratory Research Equipment Program.”

Sangid, Michael D; aeronautical & astronautical engineering, from Office of Naval Research, \$109,215, “Relationships Between the Galvanic Driving Force and Strain Energy Density Accumulation.”

Scachitti, Susan M and Mapa, Lakshman B; engineering technology — Calumet campus, from Department of Veterans Affairs, \$33,180, “Facilitating Yellow, Green and Black Belt Training Sessions.”

Schneider, Steven P; aeronautical & astronautical engineering, from Raytheon Systems Company, \$46,003, “Mach-6 Quiet Tunnel Tests of Tactical Boost-Glide Models: Additional Instrumentation and Data Analysis.”

Schoenlein, William E; biomedical engineering, from Medicine Institute, Incorporated, \$38,076, “Testing Prototype Vascular Devices in an Animal Model Studies: CI-ADP2 and POC.”

Schoenlein, William E; biomedical engineering, from Medicine Institute, Incorporated, \$40,325, “Enteric Testing Agreement (Grant 202362) Studies: CI-PDOW and CI-FLT2.”

Scott, David E; Indiana state chemist, from Environmental Protection Agency, \$119,325, “FY 2015 EPA Pesticide Cooperative Agreement — Incremental Amendment 1.”

Scott-Moncrieff, Joanna C; veterinary clinical science, from VCA Antech Inc, \$9,985, “Radiology Residency Support.”

Scott-Moncrieff, Joanna C; veterinary clinical science, from North Central Veterinary Emergency Center LLC, \$5,400, “ECC Residency Training Program.”

Seidl, Amanda H; speech, language and hearing sciences, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Servaty-Seib, Heather L; educational studies, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Shah, Amisha D; civil engineering, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF); A Shah.”

Shalae, Vladimir M; Boltasseva, Alexandra and Narimanov, Evgeniy; electrical & computer engineering, from University of Michigan, \$6,000, “MRSEC: Photonic and Multi-Scale Nanomaterials.” (a Discovery Park award — Birck Nanotechnology Center)

Sheikh, Waseem A; technology — North Central campus, from Purdue University, \$1,412, “1415 Purdue Research Foundation (PRF) Summer Faculty Grant (SFG): Incr. for Fringes, W. Sheikh.”

Sheikh, Waseem A; technology — North Central campus, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Shepson, Paul B; earth & atmospheric sciences, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Shin, Yung C; mechanical engineering, from GE Aviation, \$30,000, “PO 200-1J-14A32136.”

Shires, Victor J; communication — North Central campus, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Shires, Victor J; communication — North Central campus, from Purdue University, \$1,449, “1415 Summer Faculty Grant (SFG). Increase for Fringes; Shires.”

Shively, Gerald E; agricultural economics, from Tufts University, \$79,670, “Nutrition Collaborative Research Support Programs (CRSP), Focus on Asia.”

Sivasankar, Preeti M; speech, language and hearing sciences, from Vanderbilt University, \$33,105, “Amendment 4 to Molecular Pathophysiology of Acute Phonotrauma.”

Sizyuk, Tatyana S; nuclear engineering, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research; T. Sizyuk.”

Slipchenko, Lyudmila V; chemistry, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Slipchenko, Lyudmila V; chemistry, from Purdue University, \$1,475, “1415 Summer Faculty Grant (SFG), Increase for Fringe; Slipchenko.”

Slipchenko, Lyudmila V; chemistry, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Sloan, Mary Anne; Office of Global Affairs, from The Mishawaka Clinic, \$1,520, “Multi-Sponsor Account I-HITEC.”

Sloan, Mary Anne; Office of Global Affairs, from Patterson, Ann B Molecular Dynamics (MD), \$380, “Multi-Sponsor Account I-HITEC.”

Sloan, Mary Anne; Office of Global Affairs, from Marion General Hospital, \$9,120, “Multi-Sponsor Account I-HITEC.”

Sloan, Mary Anne; Office of Global Affairs, from Esguerra Medical Practice Inc, \$380, “Multi-Sponsor Account I-HITEC.”

Sloan, Mary Anne; Office of Global Affairs, from Kokomo Urology Inc, \$1,520, “Multi-Sponsor Account I-HITEC.”

Sloan, Mary Anne; Office of Global Affairs, from Southeastern Indiana Medical Holdings, \$1,520, “Multi-Sponsor Account I-HITEC.”

Smith, Mjt; graduate school administration, from Purdue University Special Initiative Program, \$13,972, “Armadita, Filza.”

Smith, Mjt; graduate school administration, from Sloan Tecumseh Fellowship, \$3,333, “McCauley, Cara L.”

Smith, Mjt; graduate school administration, from Sloan Tecumseh Fellowship, \$3,333, “Reano, Darryl.”

Smith, Rachel C; management— marketing, human resources & management — Calumet campus, from Junior Achievement of Chicago, \$15,377, “Bringing Leadership to Middle School Education.”

Smith, Richard S; food science, from Syn-ergy One, \$4,500, “Food Science Research.”

Smith, Richard S; food science, from PHS-FDA Food and Drug Administration, \$108,303, “Training and Pilot Processing Laboratory Services for Food Processing Technology Courses.”

Smith, Yvonne N; Student Access, Transition, Success Program, from Indiana Commission for Higher Education, \$2,000, “Indiana Scholarcorps AmeriCorps Program.”

Snyder, Frank J; health & kinesiology, from Purdue University, \$1,478, “1415 Summer Faculty Grant (SFG), Increase for Fringes; Snyder.”

Snyder, Frank J; health & kinesiology, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Soderbery, Anson; economics, from Purdue University, \$1,475, “1415 Summer Faculty Grant (SFG), Increase for Fringes; Soderbery.”

Soderbery, Anson; economics, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Son, Steven F; mechanical engineering, from University of Michigan, \$170,000, “Theory and Experiment of Cocrystals: Principles, Synthesis and Properties Amendment No. 2 (Grant 106820).”

Soule, Tanya T; biology — Fort Wayne campus, from Indiana Academy of Science, \$1,700, “Expression of Genes Associated with Sunscreen Biosynthesis in a Regulatory Mutant of the Cyanobacterium *Nostoc Punctiforme*.”

Spafford, Eugene H; computer science, from Sypris Electronics, \$60,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

Spafford, Eugene H; computer science, from SRC Education Alliance, \$60,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

Spafford, Eugene H; computer science, from EMC Corporation, \$60,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

Stanciu, Lia A; materials engineering, from RTI International, \$12,978, “Usaid-Stride Sandwich Program: Development of a Hypoxanthine Sensor for Assessing the Quality of Meat.”

Stantz, Keith M; health sciences, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Stauffer, Cynthia V; biological sciences, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Stefancik, Jennifer L; field extension educators, from Daviess County Community Foundation, \$1,870, “Strengthening Families through Education: Parents Night Out.”

Stephenson, Marcia C; foreign language & literature, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Strachan, Alejandro H; materials engineering, from University of Illinois at Champaign-Urbana, \$150,000, “Shock Wave Energy Dissipation (SWED) by Mechanochemically-Active Nanoporous Materials.” (a Discovery Park award — Birck Nanotechnology Center)

Subramaniam, Mangala; sociology, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Sundquist, John D; foreign language & literature, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Suter, Daniel M; biological sciences, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Swihart, Robert K; forestry & natural resources, from University of Illinois at Champaign-Urbana, \$179,701, “Amendment 4, Cooperative Agreement with EPA Great Lakes National Program Office.”

Sypher, Howard E; communication, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Tamul, Daniel J; communication — Fort Wayne campus, from Purdue University, \$1,417, “1415, Summer Faculty Grant (SFG), Increase for Fringes; Tamul.”

Tamul, Daniel J; communication — Fort Wayne campus, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Tarfulea, Nicoleta; mathematics, computer science & statistics — Calumet campus, from Purdue University, \$8,000, “1415 Purdue Research Foundation (PRF) Summer Faculty Grant.”

Tarfulea, Nicoleta; mathematics, computer science & statistics — Calumet campus, from Purdue University, \$1,418, “1415 SRG, Increase for Fringes , Tarfulea.”

Tawarmalani, Mohit; management, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant; M. Tawarmalani.”

Teegarden, Dorothy; foods & nutrition, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Thom, James M; aviation technology, from Baere Aerospace Consulting Inc, \$9,910, “Baere Aerospace Extended Materials Compatibility Testing Follow on 3 August 2014.”

Thomas, Joseph; Rajpura, Jigar R and Zhang, Suyuan; pharmacy practice, from Pfizer Inc, \$26,938, “Sickle Cell Disease Cost of Treatment.”

Thompson, David H; chemistry, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Toms, Andrew S; mathematics, from National Science Foundation, \$50,000, “Great Plains Operator Theory Symposium 2015.”

Topp, Elizabeth M; industrial & physical pharmacy, from Pfizer Inc, \$75,000, “Biotherapeutic Aggregation and Immunogenicity.”

Trice, Rodney W; materials engineering, from Rolls-Royce Corporation, \$50,000, “Testing Agreement: Hot Corrosion Testing December 2014.”

Tsai, Su-Jung; health sciences, from University of Cincinnati — Education and Research Center, \$7,000, “Airborne Particle Release and Exposure from Paper Shredding and Biological Response Potentials.”

Tuinstra, Mitchell R; agronomy, from Ag Alumni Seed Improvement Association, \$25,000, “Corn Research.”

Turco, Jeffrey; foreign language & literature, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Umulis, David M; agricultural & biological engineering, from University of Minnesota, \$70,000, “Dynamic Pattern in Chemically Reacting Systems.”

Vacca, Andrea; agricultural & biological engineering, from Parker Hannifin Corp., \$1,000, “Multi-Sponsored Gift.”

Vacca, Andrea; agricultural & biological engineering, from Casappa Spa, \$110,480, “New Geometries for External Gear Machines Towards the Reduction of Noise Emissions.”

Van Der Mensbrughe, Dominique Y and **Hertel, Thomas W**; agricultural economics, from Organ. for Economic Co-Operation & Development, \$10,000, “Disaggregation of Global Trade Analysis Project (GTAP) Data for the Power Sector — OECD.”

Vitek, Jan; computer science, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Vitek, Jan; **Vitek, Olga**; **Cleveland, William S**; **Grama, Ananth Y** and **Jagannathan, Suresh**; computer science, statistics, from National Science Foundation, \$0, “SI2: Conceptualization: Dynamic Languages for Scalable Data Analytics.”

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

Vyn, Tony J; agronomy, from International Plant Nutrition Institute, \$5,000, “Agricultural Cropping Systems.”

Wang, Fuqiang and **Xie, Wei**; physics, from U.S. Department of Energy, \$545,000, “Study QCD Matter Under Extreme Conditions by Particle Correlation and Heavy Flavor Probes in Relativistic Heavy Ion Collisions.”

Wang, Haifeng; aeronautical & astronautical engineering, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF); H. Wang.”

Wang, Xiao; biomedical engineering, from Purdue University, \$1,877, “1415 Summer Faculty Grant (SFG), Increase for Fringes; Wang.”

Wang, Xiao; statistics, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Wasynczuk, Oleg and **Pekarek, Steven D**; electrical & computer engineering, from P. C. Krause and Associates, Inc., \$58,769, “Large-Displacement Stability of Aircraft Power Systems.”

Watts, Val J; medicinal chemistry & molecular pharmacology, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Weaver, Connie M; foods & nutrition, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Weaver, Connie M; foods & nutrition, from American Yeast Sales Corp, \$1,667, “Lallemand/American Yeast Gift.”

Weaver, Laura A; Vice Chancellor of Academic Services — North Central campus, from Indiana Campus Compact, \$20,000, “Two Purdue Campuses, One Purdue University: Unifying Two Campuses with a Culture of Engagement.”

Webb, Kevin J; electrical & computer engineering, from Defense Advanced Research Projects Agency, \$335,735, “Imaging, Sensing, and Communication through Highly Scattering Complex Media.”

Weber-Fox, Christine M; speech, language and hearing sciences, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Weil, Clifford F; agronomy, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Wendt, Michael K; medicinal chemistry & molecular pharmacology, from PHS-NIH National Cancer Institute, \$219,230, “Targeting FGFR to Prevent the Outgrowth of Metastatic Breast Cancer.”

White, Paul W; **Flitsos, Anne L** and **Sullivan Lee, Richard**; English, visual & performing arts, from Purdue University, \$58,144, “Three Lords and Three Ladies of London: An Original Practices Production and Research Project.”

White, Sarah E and **Lee, Bethany E**; English — North Central campus, from Indiana Campus Compact, \$2,250, “Preserving Oral Histories: a Service-Learning Project.”

Williams, Rod N; forestry & natural resources, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Woo, Sang Eun; psychological science, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Wu, Yutian; earth & atmospheric sciences, from National Science Foundation, \$349,959, “Assessing the Impacts of Arctic Amplification on the Midlatitude Circulation with a Hierarchy of Atmospheric General Circulation Models.”

Xie, Jun; statistics, from PHS-NIH National Institute of General Medical Science, \$133,134, “Nonparametric Methods for Clinical Predictive Model in Pharmacogenomics Research.”

Yang, Fenggang and **Pettit, Jonathan E**; sociology, from Kinley Trust, \$19,980, “14-15 Non-Laboratory Research Equipment Program.”

Yao, Yuan; food science, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF); Yuan Yao.”

Ye, Peide; electrical & computer engineering, from Semiconductor Research Corporation, \$50,000, “2d Valley-FET on Si Beyond “Moore.” (a Discovery Park award — Birck Nanotechnology Center)

Yip, Nung Kwan; mathematics, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant for Nung Kwan YIP.”

Zahner, Sigrid K; visual & performing arts, from Purdue University, \$1,475, “1415 Summer Faculty Grant (SFG), Increase for Fringes; Zahner.”

Zahner, Sigrid K; visual & performing arts, from Purdue University, \$8,000, “1415 Summer Faculty Grant.”

Zanotti, Laura C; anthropology, from Purdue University, \$14,340, “Water Security in the Amazon: Indigenous Lands, Conservation Issues, and Freshwater Resources.”

Zhang, Cankui; agronomy, from National Science Foundation, \$300,000, “Improvement of Ammonia and Nitrogen Dioxide Uptake and Utilization in Crops.”

Zhang, Guangjun; comparative pathobiology, from Purdue University, \$30,000, “1415 Jim & Diann Robbers Cancer Research Grant.”

Zhao, Kejie; mechanical engineering, from American Society of Mechanical Engineers, \$20,000, “Chemomechanics of Electrodes in Li-Ion Batteries Probed by in Situ Nanoindentation.”

Zhou, Chenn Q and **Wu, Bin**; Center for Innovation through Visualization & Simulation, from Citgo Petroleum Corporation, \$10,000, “Optimization of Checker Wall Design in a CO Boiler.”

Zhu, Jian-Kang; horticulture & landscape architecture, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Zhu, Yu Michael; statistics, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Zhuang, Qianlai; agronomy, from U.S. Geological Survey, \$76,527, “Assessing Wetland Methane Emissions in Alaska.”

Zhuang, Qianlai; agronomy, from National Aeronautics and Space Administration, \$58,483, “Regional and Global Climate and Societal Impacts of Land-Use and Land-Cover Change in Northern Eurasia:.”

Ziaie, Babak and Rietdyk, Shirley; electrical & computer engineering, health & kinesiology, from Trask Trust Fund, \$20,000, “Smart-Gait: a Device to Assess Gait Parameters and Predict Falls.”

Zollner, Patrick A; forestry & natural resources, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.”

Zwier, Timothy S; chemistry, from Purdue University, \$28,281, “1415 Purdue Research Foundation (PRF) Research Grant.” ■

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