

DIMENSIONS *of* DISCOVERY

Sponsored Program Awards

June 2012

Abbott, Angela R; consumer & family sciences, from Clowes Fund, Inc., the, \$20,000, "The Benefit Bank of Indiana."

Abbott, Angela R; consumer & family sciences, from Indiana State Department of Health, \$37,592, "Purdue Pregnancy and Parenting Education for Adolescents through Extension (P2EATE) Program."

Abbott, Angela R; consumer & family sciences, from Central Indiana Council on Aging Inc. (CICOA), \$30,000, "Central Indiana Council on Aging Inc. (CICOA)."

Abbott, Angela R; consumer & family sciences, from United Way -Greater Lafayette & Tippecanoe Co Indiana Inc, \$500, "Poverty Simulator Voluntary Support."

Adams, Douglas E; mechanical engineering, from Rolls-Royce Corporation, \$65,000, "Detection and Monitoring of Damage in Gear Drive Using Dynamic Torque Sensing."

Adams, Robin S; engineering education, from Purdue Doctoral Program, \$19,468, "Chua, Mallory."

Adeola, Olayiwola; animal sciences, from Danisco Animal Nutrition, \$73,253, "The Effect of Product Form and Dose on the Bio Efficacy of Phytase B Fed to Broiler Chickens on a Corn Soy Diet."

Agrawal, Rakesh; Capobianco, Brenda M; Hillhouse, Hugh W and Tyner, Wallace E; chemical engineering, curriculum & instruction, agricultural economics, from National Science Foundation, \$625,000, "Integrative Graduate Education and Research Traineeship (IGERT): the Solar Economy IGERT (SEIGERT); Amendment 3 for Grant 103965." (a Discovery Park award — Energy Center)

Akkus, Ozan; Panitch, Alyssa and Beaudoin, Stephen P; biomedical engineering, chemical engineering, from National Science Foundation, \$82,257, "Bridging the Gap Between Nano and Macroscale Hierarchies in Collagen Assembly; Amendment 3."

Allebach, Jan P; electrical & computer engineering, from Hewlett Packard SBY PO Payment Request, \$90,000, "Understanding Personal Visual Communication: A Transactional and Socio-Technological Approach."

Apostoaia, Constantin M; electrical and computer engineering — Calumet campus, from University of Minnesota, \$1,333, "A Nationwide Consortium of Universities to Revitalize Electric Power Engineering Education by State-of-the-Art Laboratories; Amendment 2."

Bagchi, Saurabh; electrical & computer engineering, from IBM, \$65,565, "IBM Voluntary Support."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Ross Graduate Fellowship-Assistantship, \$18,194, "Raha, Arnab."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Ross Graduate Fellowship-Assistantship, \$18,194, "Lu, Cheng."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Ross Graduate Fellowship-Assistantship, \$18,194, "Han, Kyunghun."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Ross Graduate Fellowship-Assistantship, \$18,194, "Youn, Jaesung."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Lynn Interdisciplinary Graduate Fellowship, \$17,144, "Yeh, Tsungtai."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Purdue University F N Andrews Fellowship, \$21,468, "Larew, Stephen G."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Purdue University F N Andrews Fellowship, \$21,468, "Ranjan, Ashish."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Purdue Doctoral Program, \$18,194, "Holic, Calvin R."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Purdue University F N Andrews Fellowship, \$18,194, "Johnson, Scott."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Ross Graduate Fellowship-Assistantship, \$18,194, "Du, Yuchen."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Ross Graduate Fellowship-Assistantship, \$18,194, "Balasubramanian, Aditya."

Balakrishnan, Venkataramanan; electrical & computer engineering, from Ross Graduate Fellowship-Assistantship, \$18,194, "Si, Mengwei."

Bartlett, Edward L; biological sciences, from Winifred B. Bilsland Endowment, \$9,564, "Parthasarathy, Aravindakshan."

Basaran, Osman A; chemical engineering, from Petroleum Research Fund, \$100,000, "Drop Coalescence."

Bayley, William G; chemistry, from Annette M Maier, \$300, "Instrumentation Van Project."

Beard, Jane A; field extension educators, from Daviess County, \$31,440, "Kiesel 2012 Daviess County Government Support."

Benes, Bedrich; computer graphics technology, from Arizona State University, \$45,447, "A Global High-Resolution Fossil Fuel CO2 Inventory Built from Assimilation of in Situ and Remotely-Sensed Datasets to Advance Satellite Greenhouse Gas Decision Support Systems; Amendment 1."

Bickham, John W; agriculture — administration, from Texas Technology University, \$15,000, "Western Gray Whale Biopsy Sample Analyses Program." (a Discovery Park award — Center for the Environment)

Bigelow, Cale A; agronomy, from Agrotain International LLC, \$3,000, “Putting Greens Research.”

Bigelow, Cale A; agronomy, from National Turfgrass Evaluation Program, \$4,000, “2011 National Kentucky Bluegrass Test.”

Bischoff, Shannon T; English & linguistics — Fort Wayne campus, from National Science Foundation, \$94,029, “Collaborative Research: Coeur d Alene Online Digital Resources.”

Blatchley, Ernest R; civil engineering, from Citizens Energy Group, \$49,634, “Design and Validation Protocol for Large-Scale UV Disinfection Systems for Municipal Wastewater: Quantification of UV Dose-Response Behavior, Including Variability.”

Bobet, Antonio and Pyrak-Nolte, Laura J; civil engineering, physics, from Petroleum Research Fund, \$100,000, “Geophysical Monitoring of Mechanical & Chemical Alterations of Frictional Discontinuities.”

Bouck, Emily C; educational studies, from U.S. Department of Education, \$178,503, “Technologies in Special Education (TISE) Scholars Program-Grant 103999 Inc.”

Braun, James E; mechanical engineering, from Pennsylvania State University, \$233,000, “Demonstration of a Modelica-Based Toolchain for Rapid Response Research Prototyping and Evaluation of Integrated Building Controls.”

Briggs, Scott D; biochemistry, from Winifred B. Bilsland Endowment, \$9,750, “South, Paul F.”

Buckius, Richard O; Vice President for Research, from Purdue Research Foundation: Office of the Vice President for Research (OVPR), \$17,287, “Mechanisms & Correction of Altered Skeletal Development in Down Syndrome.”

Buckmaster, Dennis; Ault, Aaron C; Ess, Daniel R; Krogmeier, James V and Tucker, Mark A; agricultural & biological engineering, electrical & computer engineering, youth development & agricultural education, from National Institute of Food & Agriculture, \$480,000, “Improving Agricultural Management with Autogenic Mobile Technology.”

Bullock, Darcy M; civil engineering, from Edward C Levy Co, \$1,500, “Joint Transportation Research Program (JTRP) Supplementary Research Account.”

Caffee, Marc W; Granger, Darryl E; Lifton, Nathaniel A and Muzikar, Paul F; physics, earth & atmospheric sciences, from National Science Foundation, \$674,973, “Facility Support: Accelerator Mass Spectrometry at PRIME Lab.”

Cai, Liping A; consumer & family sciences, from Liping A Cai (Individual Donor), \$25,000, “China Research Programs.”

Casteel, Shaun N; agronomy, from Monsanto Company, \$15,000, “Soybean Extension Research.”

Casteel, Shaun N; agronomy, from Monsanto Company, \$6,000, “Soybean Extension Research.”

Chakrabarti, Raj; chemical engineering, from National Science Foundation, \$33,828, “Catalyzing New International Collaboration with Anna University for Computational Enzyme Design Research: SIRT1 and SIRT3.”

Chapple, Clint C; biochemistry, from Ross Graduate Fellowship-Assistantship, \$17,287, “Burris, Donieka M.”

Chapple, Clint C; biochemistry, from U.S. Department of Energy, \$140,455, “Phenylpropanoid Metabolism in Arabidopsis: the Role of Ref4; Modification 5 for Grant 102711.”

Chaubey, Indrajeet; agricultural & biological engineering, from Purdue Doctoral Program, \$221, “Logdson, Rebecca A.”

Chaubey, Indrajeet; agricultural & biological engineering, from Purdue Doctoral Program, \$459, “Logsdon, Rebecca.”

Chaubey, Indrajeet; agricultural & biological engineering, from Winifred B. Bilsland Endowment, \$8,064, “Raz, Cebin.”

Chen, Jun; mechanical engineering, from 3M General Offices, \$15,000, “Comprehensive Study of Low Mach Number Aerodynamic Noise.”

Chen, Yong P; Lundstrom, Mark S; Xu, Xianfan; Ye, Peide; Datta, Supriyo and Ramdas, Anant K; science — administration, electrical & computer engineering, mechanical engineering, physics, from Space and Naval Warfare Systems Center, \$2,026,207, “Topological Insulator Coherent Energy-Efficient Devices (TICED); Modification 1 for Grant 105377.” (a Discovery Park award — Birck Nanotechnology Center)

Chen, Zhihong; electrical & computer engineering, from National Science Foundation, \$100,000, “Grant Opportunities for Academic Liaison with Industry (GOALI): Creating Novel Graphene-Based Meta-Materials through Nano-Patterning.” (a Discovery Park award — Birck Nanotechnology Center)

Cheng, Ji-Xin; biomedical engineering, from Ross Graduate Fellowship-Assistantship, \$18,263, “Liao, Chien-Sheng.”

Cheng, Ji-Xin; biomedical engineering, from Chappelle, \$16,894, “Tyler, Jacqueline.”

Cherkauer, Keith A; agricultural & biological engineering, from Purdue Doctoral Program, \$221, “Chin, Natalie.”

Clase, Kari L and Rickus, Jenna L; technology — administration, agricultural & biological engineering, from Indiana Clinical & Translational Science Institute, \$14,000, “Metabolic and Global Proteomic Analyses of Human Glioblastoma Multiforme.” (a Discovery Park award — Bindley Bioscience Center)

Clawson, Rosalee A; political science, from Ludwig Kruhe Graduate Scholarship, \$4,224, “O’Brien, Cheryl.”

Clawson, Rosalee A; political science, from Purdue University F N Andrews Fellowship, \$19,394, “Berndt, Eric Swanson.”

Clawson, Rosalee A; political science, from Winifred B. Bilsland Endowment, \$16,394, “Cleven, Erik Thomas.”

Clawson, Rosalee A; political science, from Winifred B. Bilsland Endowment, \$16,394, “O’Brien, Cheryl Marie.”

Clawson, Rosalee A; political science, from Purdue University F N Andrews Fellowship, \$19,394, “Walker, Rachel E.”

Clupper, Stacy A; field extension educators, from Blackford County Community Foundation, Inc., \$875, “K-IDs BMV to Blackford County.”

Coppoc, Gordon L; medical education, from Indiana University, \$10,000, “FY 12-13 Indiana University School of Medicine (IUSM)-Lafayette Student Activity Fund.”

Coppoc, Gordon L; medical education, from Indiana University Purdue University at Indianapolis, \$1,747,477, “FY12-13 Indiana University School of Medicine (IUSM) — Lafayette General Fund.”

Coppoc, Gordon L; medical education, from Indiana University, \$37,000, “FY 12-13 Indiana University School of Medicine (IUSM)-Lafayette Student Technology Fund.”

Coppoc, Gordon L; medical education, from Indiana University Purdue University at Indianapolis, \$10,000, “FY12-13 Indiana University School of Medicine (IUSM)-Lafayette Life Cycle Fund.”

Coppoc, Gordon L; medical education, from Indiana University Purdue University at Indianapolis, \$4,000, “FY12-13 Indiana University School of Medicine (IUSM) -Lafayette Student and Faculty Recruitment & Retention.”

Coppoc, Gordon L; medical education, from Indiana University, \$7,200, “FY 12-13 Indiana University School of Medicine (IUSM) Lafayette National Board Of Medical Examiners (NBME)/Shelf Exam Fund.”

Crossley, William A; aeronautical & astronautical engineering, from Rolls-Royce Corporation, \$4,002, “Multidisciplinary Optimization Problem Formulation and Uncertainty Quantification Methods for Turbomachinery Blades and Blisks.”

Csathy, Gabor A; physics, from National Science Foundation, \$130,000, “Electronic Many-Body States with Topological Order.”

Curtis, Susan; history, from George Washington Carver Fellowship, \$21,394, “Webb, Naemah A.”

Curtis, Susan; history, from Winifred B. Bilsland Endowment, \$9,164, “Warren, Christopher A.”

Curtis, Susan; history, from Lynn Interdisciplinary Graduate Fellowship, \$17,644, “Halliday, Aria Symone.”

Curtis, Susan; history, from Lynn Interdisciplinary Graduate Fellowship, \$17,644, “Jimenez, Maria Daniela Z.”

Curtis, Susan; history, from George Washington Carver Fellowship, \$21,394, “Young, Lisa.”

Curtis, Susan; history, from Lynn Interdisciplinary Graduate Fellowship, \$17,644, “Wimble, Jeffrey Arthur.”

Cuza-Blanco, Alejandro; foreign language & literature, from Kinley Trust, \$20,000, “The Effects of Dual Language Development on Childrens Academic Growth.”

DasGupta, Anirban; statistics, from Elsevier Ltd, \$155,156, “Executive Editor Agreement for Anirban DasGupta.”

Davies, Patricia; mechanical engineering, from Federal Aviation Administration, \$25,000, “Project #25 Human Response - Sleep Disturbance.” (a Discovery Park award — Discovery Park Administration.)

Del Caro, Adrian; foreign language & literature, from Ross Graduate Fellowship-Assistantship, \$17,644, “Bauwens, Nina.”

Del Caro, Adrian; foreign language & literature, from Purdue University F N Andrews Fellowship, \$19,394, “Miller, Lauren Elizabeth.”

DeLaurentis, Daniel A; Bagchi, Saurabh and Heister, Stephen D; aeronautical & astronautical engineering, electrical & computer engineering, from Missile Defense Agency, \$1,140,582, “An Agent-Based Concept for an Enhanced Command and Control, Battle Management, and Communications (C2BMC) Architecture; Option 2.”

Deng, Xinyan; mechanical engineering, from Air Force Office of Scientific Research, \$149,204, “Flow Modulation and Force Control of Flapping Wings; Modification 1 for Grant 105391.”

Diefes-Dux, Heidi A; Brophy, Sean; Cardella, Monica E; Strobel, Johannes; Capobianco, Brenda M and Reed-Rhoads, Teri; engineering education, from National Science Foundation, \$495,124, “R&D: Quality Cyber-Enabled, Engineering Education Professional Development to Support Teacher Change and Student Achievement; Amendment 4 for Grant 103372.”

Doerge, Rebecca W; statistics, from Ross Graduate Fellowship-Assistantship, \$17,287, “Qu, Simeng.”

Doerge, Rebecca W; statistics, from Winifred B. Bilsland Endowment, \$19,394, “Barboza, Luis A.”

Doerge, Rebecca W; statistics, from Purdue University F N Andrews Fellowship, \$17,287, “Navarro, Rolando.”

Doerge, Rebecca W; statistics, from Purdue Doctoral Program, \$20,621, “Gautier, Phillip.”

Doerge, Rebecca W; statistics, from George Washington Carver Fellowship, \$21,394, “Harry, April J.”

Doerge, Rebecca W; statistics, from Purdue Doctoral Program, \$20,221, “Potter, Cristian.”

Doerge, Rebecca W; statistics, from Purdue Doctoral Program, \$20,221, “Henry, Courtney.”

Doerge, Rebecca W; statistics, from Ross Graduate Fellowship-Assistantship, \$17,287, “Eagan, Will.”

Donkin, Shawn S and Schoonmaker, Jon; animal sciences, from Zinpro Corporation, \$99,055, “Determine Effect of Chromium Methionine Source on Enhancement in Insulin Sensitivity in Growing Heifers.”

Drachev, Vladimir P and Kildishev, Alexander V; electrical & computer engineering, from UES Inc., \$20,000, “Modification 3 to PO S875-060-005- Grant 105085.” (a Discovery Park award — Birck Nanotechnology Center)

Dukes, Jeffrey S; college of agriculture - administration, from U.S. Department of Energy, \$149,981, “Climate Change Feedbacks from Interactions Between New and Old Carbon.” (a Discovery Park award — Purdue Climate Change Research Center)

Dunning, John B; forestry & natural resources, from U.S. Forest Service, \$15,571, “Breeding Bird Surveys on the Hoosier National Forest, 2012.”

Dutta, Mohan J; liberal arts — administration, from Indiana Clinical & Translational Science Institute, \$15,000, “Culture-Centered Heart Health Promotion Among African American Youth in Marion County.” (a Discovery Park award — regenstrief.)

Dutta, Mohan J; liberal arts — administration, from Indiana Minority Health Coalition, \$10,000, “A Culture-Centered Approach to State of Health Disparities in Indiana.” (a Discovery Park award — Regenstrief Center for Healthcare Engineering)

Dydak, Ulrike; health sciences, from Purdue University, \$30,000, “3-D 31 P MRSI of Human Liver: A Spatially-Resolved Study of Normal & Malignant Tissue Response to Radiation Therapy.”

Ebert, David S; Collins, Timothy F; Delp, Edward J and Elmqvist, Lars Niklas E; engineering administration engineering experiment, electrical & computer engineering, from U.S. Department of Homeland Security, \$1,450,000, “VACCINE: Visual Analytics for Command, Control and Interoperability Environments FY12 Funding.” (a Discovery Park award — Discovery Park Administration)

Ebert, David S; electrical & computer engineering, from U.S. Coast Guard, \$8,111, “Coast Guard - Extension of Task Order HSCG84-12-Q-X70004.” (a Discovery Park award — Discovery Park Administration)

Elliott, Stephen J; technology — administration, from Lumidigm, \$43,233, “Fingerprint Testing Data Collection.” (a Discovery Park award — Cyber Center)

Elmqvist, Lars Niklas E; electrical & computer engineering, from National Science Foundation, \$19,766, “Workshop: Doctoral Colloquium at Institute of Electrical and Electronics Engineers (IEEE) Visweek 2012.”

Engel, Bernard A; agricultural & biological engineering, from Ross Graduate Fellowship-Assistantship, \$18,263, “Stewart, Emily.”

Esters, Levon T; youth development & agricultural education, from Ross Graduate Fellowship-Assistantship, \$17,222, “Bodden, Krystin R.”

Fanjoy, Richard O; aviation technology, from Chappelle, \$16,170, “Cozza, Bradley.”

Fanjoy, Richard O; aviation technology, from Winifred B. Bilsland Endowment, \$19,394, “Winter, Scott R.”

Fekete, Donna M; biological sciences, from National Organization Hearing Research Foundation, \$100,000, “Rescuing a Congenital Form of Progressive Hearing Loss in Mice Using Viral Gene Transfer.”

Fentiman, Audeen W; engineering administration engineering experiment, from U.S. Department of Energy, \$5,000, “W Fullmar, J Boguski, 09/10, C Brooks 10/11 Fellows — Cooperative Agreement to Host DOE Fellows and Scholars at Purdue University; Modification 3 for Grant 104006.”

Ferris, Virginia R; entomology, from Indiana Crop Improvement Association, \$20,000, “Cyst Nematode Program.”

Ferruzzi, Mario; food science, from Purdue University F N Andrews Fellowship, \$17,287, “Lipkie, Tristan.”

Ferruzzi, Mario; food science, from MH Zeigler & Sons LLC, \$45,000, “Multi-Sponsored for On-Going Research.”

Ferruzzi, Mario; food science, from Purdue Doctoral Program, \$17,287, “Allen, Jennifer L.”

Filley, Timothy R; earth & atmospheric sciences, from Northwestern University, \$100, “Northwestern Funds/ Voluntary Support.”

Fisher, Timothy; mechanical engineering, from Purdue University F N Andrews Fellowship, \$18,263, “Sadasivam, Sridhar.”

Fisher, Timothy; Murthy, Jayathi Y; Xu, Xianfan and Garimella, Suresh V; mechanical engineering, from Raytheon, \$169,376, “Modification 8a to Grant 103834.” (a Discovery Park award — Birck Nanotechnology Center)

Flores, Joseph I; Education Opportunities Program — Calumet campus, from U.S. Department of Education, \$546,000, “Purdue University (Calumet) Upward Bound Program.”

Foster, Kenneth A; agricultural economics, from Ross Graduate Fellowship-Assistantship, \$17,287, “Lai, John.”

Foster, Kenneth A; agricultural economics, from Purdue University F N Andrews Fellowship, \$17,287, “Byrd, Elizabeth.”

Foster, Kenneth A; agricultural economics, from Ross Graduate Fellowship-Assistantship, \$17,287, “Stutzman, Sarah.”

Foster, Kenneth A; agricultural economics, from Winifred B. Bilsland Endowment, \$9,697, “Sanders, Daniel.”

Foster, Kenneth A; agricultural economics, from Purdue University F N Andrews Fellowship, \$17,287, “Dobis, Elizabeth.”

Frankel, Steven H; mechanical engineering, from Regal Beloit Manufacturing Corp, \$55,774, “Computational Fluids Dynamics of Unsteady Blower Dynamics and Noise.”

Frankenberger, Jane R; agricultural & biological engineering, from Ross Graduate Fellowship-Assistantship, \$48, “Hoover, Fuschia-Ann.”

Franses, Elias I and Corti, David S; chemical engineering, from Hewlett Packard SBY PO Payment Request, \$100,000, “Project Continuation Under Collaborative Research Agreement #CW267307- Stability of Colloidal Dispersions of Nanoparticles Against Sedimentation and Agglomeration.”

French, Doran C; child development & family studies, from Purdue University F N Andrews Fellowship, \$17,287, “Hur, Jinhee.”

French, Doran C; child development & family studies, from Purdue Doctoral Program, \$1,473, “Robinson, Chanele.”

French, Doran C; child development & family studies, from Purdue University F N Andrews Fellowship, \$19,468, “Kwak, Yoon Young.”

French, Doran C; child development & family studies, from Purdue Doctoral Program, \$19,468, “Sanchez, Laura Yanett.”

Furnish, Virginia E; field extension educators, from Switzerland County Awareness Team, \$650, “Project LEAD.”

Garfinkel, Arthur F; physics, from Argonne National Laboratory, \$14,646, “Graduate Student Services: Laura Boon.”

Garrison, James L; aeronautical & astronautical engineering, from Astra LLC, \$5,000, “Evaluation of Cases Receiver Data for Open Loop Tracking.”

Garrison, James L; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$13,600, “Workshop on Reflectometry Using Global Navigation Satellite System (GNSS) and Other Signals of Opportunity (GNSS+R).”

Gelvin, Stanton B and Lee, Lan-Ying; biological sciences, from Chromatin Inc, \$12,557, “New recA Mutant Agrobacterium Strains.”

Gerber, Corey K; agronomy, from Multi-Sponsored Industrials, \$3,300, “Diagnostic Training and Research Center - Pioneer Hybrid International, Inc.”

Gerber, Corey K; agronomy, from Multi-Sponsored Industrials, \$4,125, “Diagnostic Training and Research Center - Pioneer Hybrid International, Inc. 2.”

Gerber, Corey K; agronomy, from Multi-Sponsored Industrials, \$2,200, “Diagnostic Training and Research Center - Weaver Popcorn.”

Ghafoor, Arif; Aref, Walid G; Ebert, David S and Maciejewski, Ross L; electrical & computer engineering, computer science, from Defense Threat Reduction Agency, \$311,096, “Development of a Real-Time Infectious Disease Surveillance and Response System for Pakistan.; Amendment 2 for Grant 104688.” (a Discovery Park award — Discovery Park Administration.)

Gibb, Timothy J; entomology, from Syngenta Crop Protection Inc., \$2,500, “Turfgrass Research.”

Giordano, Nicholas J; physics, from Ross Graduate Fellowship-Assistantship, \$17,222, “Devault, Clayton.”

Giordano, Nicholas J; physics, from Purdue University F N Andrews Fellowship, \$17,222, “Ding, Yijue.”

Giordano, Nicholas J; physics, from Purdue University F N Andrews Fellowship, \$17,222, “Liang, Jingcheng.”

Giordano, Nicholas J; physics, from Purdue Doctoral Program, \$126, “Reuter, Cassie A.”

Giordano, Nicholas J; physics, from Purdue Doctoral Program, \$537, “Ziama, Sannah.”

Giordano, Nicholas J; physics, from Winifred B. Bilsland Endowment, \$9,564, “Whitnack, Daniel L.”

Gletsu-Miller, Nana A; foods & nutrition, from International Copper Association Ltd, \$50,000, “Copper.”

Goffman, Lisa A; Richtsmeier, Peter T and Leonard, Laurence B; speech, language & hearing science, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$148,210, "Talker Variability in Typical and Language Impaired Childrens Language Learning."

Goforth, Reuben R; forestry & natural resources, from Purdue University F N Andrews Fellowship, \$17,209, "Thurner, Kensey R."

Goforth, Reuben R; forestry & natural resources, from Lynn Interdisciplinary Graduate Fellowship, \$17,209, "Touzinsky, Katherine F"

Goldsbrough, Peter B; botany & plant pathology, from Chappelle, \$19,394, "Albright, Nicolette C."

Granger, Darryl E; earth & atmospheric sciences, from National Science Foundation, \$161,450, "Collaborative Research: Beryllium-10 in Detrital Magnetite as a New Tool in Erosion and Weathering Studies."

Gruenbaum, Ellen R; anthropology, from Purdue Doctoral Program, \$19,394, "Powell, Lauren."

Hacker, Thomas J; computer & information technology, from Pennsylvania State University, \$53,096, "Participant Support for CyberBridges: Developing the Next Generation of Cyberinfrastructure Faculty for Computational and Data-Enabled Science and Engineering." (a Discovery Park award — Neescomm Center)

Handwerker, Carol A; Hua, Inez; Iyer, Ananth V and Ramani, Karthik; materials engineering, civil engineering, department of management, mechanical engineering, from National Science Foundation, \$631,102, "Integrative Graduate Education and Research Traineeship (IGERT): Global Traineeship in Sustainable Electronics."

Harbin, Sherry L; biomedical engineering, from Ross Graduate Fellowship-Assistantship, \$18,263, "Joshi, Rucha V."

Harris, Michael T; engineering administration engineering experiment, from Purdue University F N Andrews Fellowship, \$21,550, "Lu, Jennifer."

Harris, Michael T; engineering administration engineering experiment, from Ross Graduate Fellowship-Assistantship, \$18,263, "Crawford, Morgan."

Harris, Michael T; engineering administration engineering experiment, from Ross Graduate Fellowship-Assistantship, \$18,263, "Anthony, Christopher."

Harrison, Marietta L; medicinal chemistry & molecular pharmacology, from Indiana University School of Medicine, \$45,405, "Warfighter Cancer Care Engineering." (a Discovery Park award — Oncological Sciences Center)

Heeg, Marlene O; pharmacy practice, from Multi-Sponsored Industrials, \$30,000, "2012 Rome Update from DDW."

Heeg, Marlene O; pharmacy — administration, from Multi-Sponsored Industrials, \$30,000, "2012 Rome Update from DDW."

Heister, Stephen D; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$19,468, "Wiest, Heather K."

Hertel, Thomas W; agricultural economics, from Multi-Sponsored Industrials, \$19,650, "Global Trade Analysis Project (GTAP) Consortium 2012."

Hertel, Thomas W; agricultural economics, from Multi-Sponsored Industrials, \$20,150, "Global Trade Analysis Project (GTAP) Consortium 2012."

Hill, Catherine A; Meyer, Jason M and Hunt, Greg J; entomology, from University of Notre Dame, \$300,243, "RAD Sequencing of SNPs on the Ixodes Scapularis Lyme Disease Tick Genome: Toward an Integrated Genetic and Physical Map."

Hoagland, Lori A; horticulture & landscape architecture, from Agricultural Research Service, \$335,615, "Carrot Improvement for Organic Agriculture with Added Grower and Consumer Value."

Hoffmann, Christoph M; computer science, from National Science Foundation, \$30,000, "II: Computer Science Pathways for Educators."

Horton, William T; civil engineering, from Emerson Climate Technologies, \$22,000, "Secondary Loop Residential Systems."

Horton, William T; civil engineering, from Emerson Climate Technologies, \$44,000, "Secondary Loop Residential Systems."

Hosking, Antony L; computer science, from National Science Foundation, \$120,271, "Computer Systems Research (CSR):Medium:Collaborative Research: Portable Performance for Parallel Managed Languages Across the Many-Core Spectrum."

Hossain, Akram; engineering technology — Calumet campus, from ARPAC, \$6,283, "Remote Demonstration of Packaging Machinery System via Public Network."

Hudson, Karen A; agronomy, from Agricultural Research Service, \$20,350, "Acquisition of Goods and Services."

Hurt, R D; history, from Winifred B. Bilsland Endowment, \$16,394, "Lombardo, Timothy James."

Hurt, R D; history, from Ross Graduate Fellowship-Assistantship, \$48, "Burrows, Donald Trevor."

Hurt, R D; history, from Purdue University F N Andrews Fellowship, \$48, "Perry, Jeffrey Thomas."

Hwang, Inseok; aeronautical & astronautical engineering, from Mosaic ATM Inc, \$87,000, "Year 2 Funding and Extension to 5.31.13 - Dynamic Terminal Airspace Concepts [Grant 205178]."

Ileleji, Klein; agricultural & biological engineering, from Winifred B. Bilsland Endowment, \$19,394, "McClurkin, Janie D."

Imbrie, Peter K; Ciftci, Ayse and Mohtar, Rabi H; engineering education, educational studies, agricultural & biological engineering, from National Science Foundation, \$200,000, "Building a Theoretical Framework for Defining Global Engineering Competencies."

Imbrie, Peter K; engineering education, from Ross Graduate Fellowship-Assistantship, \$18,263, "Hanoglu, Oguz."

Irudayaraj, Joseph M; agricultural & biological engineering, from Yun Wu and Feng Xu, \$850, "Multi-Sponsored Gift Account."

Ivantysynova, Monika; agricultural & biological engineering, from Komatsu Ltd, \$67,914, "Modelling of Axial Piston Pumps and Motors."

Jagannathan, Suresh; computer science, from National Science Foundation, \$450,000, "Software and Hardware Foundations (SHF): Small: Programming with Non-Coherent Memory."

Janick, Jules; horticulture & landscape architecture, from Goldman Foundation, Amy P, \$10,000, "New Gift Account for Dr. Janick."

Janle, Elsa M and Dydak, Ulrike; foods & nutrition, health sciences, from Mead Johnson & Company, \$14,289, "Assessment of the Bioavailability and Functionality of Brain-Targeting Polyphenol Metabolites in Piglets."

Jenkins, Michael A; forestry & natural resources, from U.S. Forest Service, \$20,000, "Carbon Sequestration in the Central Hardwood Region: What Are the Relative Contributions of Primary and Managed Secondary Forests?"

Johnson, Keith D; agronomy, from Monsanto Company, \$300, “Forage Research.”

Johnson, Keith D; agronomy, from Monsanto Company, \$150, “Forage Research.”

Johnson, William G; botany & plant pathology, from DuPont Crop Protection, \$6,000, “Weed Research.”

Johnson, William G; botany & plant pathology, from DuPont Crop Protection, \$17,900, “Weed Research.”

Johnson, William G; botany & plant pathology, from Bayer CropScience LP, \$7,000, “Bayer Weed Management Systems.”

Johnson, William G; botany & plant pathology, from Dow Agro Sciences, \$10,000, “Dow Weed Management Systems.”

Johnson, William G; botany & plant pathology, from Dow Agro Sciences, \$10,000, “Agrochemical and Seed Evaluation Agreement.”

Johnston, Cliff T; agronomy, from Multi-Sponsored Industrials, \$5,400, “Multi-Sponsored.”

Jones, Yava L and Lacount, Douglas J; comparative pathobiology, medicinal chemistry & molecular pharmacology, from Showalter Trust, \$74,995, “Selective Antagonism of v-ATPase to Treat Viral Infection.”

Kak, Avinash C; electrical & computer engineering, from Infosys Technologies Ltd, \$100,000, “An Agent-Based and Model-Driven Framework for Human-Assisted Approach to Code Modularization.”

Kalwani, Manohar U; management, from Purdue University F N Andrews Fellowship, \$15,888, “Childers, Jamie.”

Kaplan, Ian and Blubaugh, Carmen K; entomology, from University of Minnesota, \$9,916, “Comparing the Effect of Spring & Fall Tillage on Larval Populations of a Beneficial Insect.”

Keener, Kevin M; food science, from Griffith Laboratories, \$150, “Multi-Sponsored Gift.”

Keener, Kevin M; food science, from Griffith Laboratories, \$50, “Multi-Sponsored Gift.”

Keener, Kevin M; food science, from Griffith Laboratories, \$50, “Multi-Sponsored Gift.”

Kelly, Brian C; sociology, from PHS-NIH National Institute on Drug Abuse, \$569,065, “Prescription Drug Abuse in Club Subcultures: Contexts & Risks.”

Kenttamaa, Hilkka I; chemistry, from Eastman Chemical Company, \$6,000, “Owen, Benjamin — Eastman Summer Grant or Fellowship.”

Kenttamaa, Hilkka I; chemistry, from Neste Oil Oyj, \$3,500, “Kenttamaa Voluntary Support.”

Key, Nicole L; mechanical engineering, from Rolls-Royce Corporation, \$125,000, “Development of a Centrifugal Compressor Research Facility for Low Specific Speed Applications.”

Kihara, Daisuke; Park, Chiwook and Tao, Weiguo A; biological sciences, medicinal chemistry & molecular pharmacology, biochemistry, from PHS-NIH National Institute of General Medical Science, \$280,954, “Identification of Protein-Metabolite Interactome.”

Kildishev, Alexander V; electrical & computer engineering, from Raytheon, \$40,000, “Developing Model and Simulation Tools for Quantifying Control Over Spatial and Temporal Dispersion in Dielectric Metamaterial Layers.” (a Discovery Park award — Birck Nanotechnology Center)

Killian, Charles E; computer science, from Hewlett Packard SBY PO Payment Request, \$71,000, “MaceKen: Productively Programming Bulletproof Scalable Data Center Applications.”

Killian, Charles E; computer science, from National Science Foundation, \$86,029, “Faculty Early Career Development (CAREER): Analyzing Distributed Systems Behavior Using Repeated Execution; Amendment 1 for Grant 105153.”

Kim, Chang H; comparative pathobiology, from Purdue University F N Andrews Fellowship, \$17,287, “Gu, Bon-Hee.”

Klimeck, Gerhard; electrical & computer engineering, from Ruhr University Bochum, \$12,075, “Graduate Student Support.”

Klimeck, Gerhard; electrical & computer engineering, from Ruhr University Bochum, \$11,401, “Graduate Student Support.”

Kluender, Keith R and Alexander, Joshua M; speech, language & hearing science, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$223,084, “Contrast Enhancement to Improve Speech Recognition with Hearing Devices.”

Kluender, Keith R; speech, language & hearing science, from Knox, David M. Endowment, \$19,394, “Dinh, Thao.”

Konieczny, Stephen F; biological sciences, from PHS-NIH National Cancer Institute, \$300,006, “Kras-Induced Cellular Plasticity in Pancreatic Cancer.”

Krane, Matthew J; materials engineering, from Purdue Doctoral Program, \$18,464, “Busch, Jonathan D.”

Kruczenski, Luis M; physics, from National Science Foundation, \$88,434, “Faculty Early Career Development (CAREER): Understanding Gauge Theories through String Theory; Amendment 2 for Grant 104406.”

Krupke, Christian H; entomology, from Amvac Chemical Corporation, \$14,000, “Krupke - Entomology - Research.”

Krupke, Christian H; entomology, from Pioneer Hi-Bred International, Inc., \$300, “Amendment No.2 to 2012 University Corn Rootworm Dual Pyramid Efficacy and Yield Evaluation.”

Krupke, Christian H; entomology, from South Dakota State University, \$30,000, “Soybean Aphid Management, Resistance, and Outreach in the North Central Region.”

Kuang, Shihuan and Shi, Riyl; animal sciences, basic medical science, from Showalter Trust, \$75,000, “Bioactive Scaffolds for Highly Efficient Muscle Regeneration.”

Kuhn, Richard J; biological sciences, from Purdue University F N Andrews Fellowship, \$1,001, “Hale, Vanessa Luming.”

Lacount, Douglas J; medicinal chemistry & molecular pharmacology, from PHS-NIH National Institute of General Medical Science, \$283,939, “A Temporal View of the Plasmodium-Red Blood Cells Interactome.”

Ladisch, Michael R and Mosier, Nathan S; agricultural & biological engineering, from Mascoma Corporation, \$134,024, “Characterization of Biomass Materials.”

Laux, Chad; Homkes, Rick L; Keener, Kevin M; Dunlap, Duane D and Connolly, Patrick E; industrial technology, Kokomo Statewide Technology, food science, statewide technology administration, computer graphics technology, from National Science Foundation, \$151,373, “Engineering Technology Pathways: The Food and Foodstuff Supply Chain; Amendment 2 for Grant 105582.”

Lechtenberg, Victor L; president, from Multi-Sponsored Industrials, \$3,500, “Multi-Sponsored Account (Purdue Center for Regional Development [PCRD]).”

Lechtenberg, Victor L; president, from Multi-Sponsored Industrials, \$3,500, “Multi-Sponsored Account (Purdue Center for Regional Development [PCRD]).”

Lechtenberg, Victor L; Office of Engagement, from Indiana Economic Development Corporation, \$41,600, “Southeastern Small Business Development Center CY 2012 (Federal Carryover Funds).”

Lechtenberg, Victor L; president, from Multi-Sponsored Industrials, \$4,500, “Multi-Sponsored Account (Purdue Center for Regional Development [PCRD]).”

Lechtenberg, Victor L; president, from Multi-Sponsored Industrials, \$3,300, “Multi-Sponsored Account (Purdue Center for Regional Development [PCRD]).”

Lechtenberg, Victor L; Office of Engagement, from Multi-Sponsored Industrials, \$1,352, “Multi-Sponsored Account (Purdue Center for Regional Development [PCRD]).”

Lechtenberg, Victor L; Office of Engagement, from Multi-Sponsored Industrials, \$20,000, “Support of Southeastern Small Business Development Center (SBDC).”

Lechtenberg, Victor L; Office of Engagement, from Multi-Sponsored Industrials, \$4,100, “Multi-Sponsored Account (Purdue Center for Regional Development [PCRD]).”

Lechtenberg, Victor L; Office of Engagement, from Multi-Sponsored Industrials, \$3,000, “Multi-Sponsored Account (Purdue Center for Regional Development [PCRD]).”

Lechtenberg, Victor L; Office of Engagement, from Multi-Sponsored Industrials, \$1,179, “Multi-Sponsored Account (Purdue Center for Regional Development [PCRD]).”

Lee, Chun-Sing G; electrical & computer engineering, from Institute of Electrical Electronics Engineering, \$10,000, “IROS.”

Lee, Linda S; agronomy, from Purdue University Special Initiative Program, \$6,000, “Bilsland Strategic Initiatives S&E for 4 Awards.”

Lee, Linda S; agronomy, from Chappelle, \$19,394, “Young, Landon G.”

Lee, Linda S; agronomy, from George Washington Carver Fellowship, \$21,394, “Freeland, Patrick A.”

Lee, Linda S; agronomy, from Purdue University F N Andrews Fellowship, \$17,287, “Brothers, Andrew A.”

Lee, Linda S; agronomy, from Knox, David M. Endowment, \$19,394, “Wheeler, Mary Katherine.”

Lee, Linda S; agronomy, from Purdue University Special Initiative Program, \$19,394, “Grady, Caitlin A.”

Lempert, Laszlo; mathematics, from Purdue University F N Andrews Fellowship, \$17,287, “Shapiro, Jacob.”

Lempert, Laszlo; mathematics, from Ross Graduate Fellowship-Assistantship, \$17,287, “Zeller, Andrew.”

Lempert, Laszlo; mathematics, from Purdue University F N Andrews Fellowship, \$17,287, “Fireman, Nicholas J.”

Lempert, Laszlo; mathematics, from Ross Graduate Fellowship-Assistantship, \$17,287, “Spitler, Ryan.”

Lempert, Laszlo; mathematics, from Purdue Doctoral Program, \$20,221, “Rice, Dominique.”

Lempert, Laszlo; mathematics, from Chappelle, \$19,394, “Medawar, Cynthia.”

Lempert, Laszlo; mathematics, from Winifred B. Bilsland Endowment, \$19,394, “Barone, Salvador P.”

Lempert, Laszlo; mathematics, from Ross Graduate Fellowship-Assistantship, \$17,287, “Cooper, Monte.”

Lempert, Laszlo; mathematics, from Purdue Doctoral Program, \$20,621, “Pengitore, Mark A.”

Lempert, Laszlo; mathematics, from Ross Graduate Fellowship-Assistantship, \$17,287, “Dang, Tan.”

Leverenz, Larry J; health & kinesiology, from Winifred B. Bilsland Endowment, \$3,224, “Dorsch, Travis E.”

Li, Kai Ming; engineering administration engineering experiment, from Federal Aviation Administration, \$38,000, “The Convective Amplification Effects of Fast Moving Sources.” (a Discovery Park award — Discovery Park Administration.)

Lifton, Nathaniel A; earth & atmospheric sciences, from Lynn Interdisciplinary Graduate Fellowship, \$17,433, “Beel, Casey R.”

Litster, Annette L and Placer, Margaret; veterinary clinical science, from American Humane Association, \$4,000, “Fellowship for M. Placer — Comparison of Safer Aggression Assessment Results in Shelter Dogs at Intake and After a 3-Day Acclimation Period.”

Liu, Chuanhai; statistics, from National Science Foundation, \$40,199, “Collaborative Research: Prior-Free Probabilistic Inferential Methods for Large-P-Small-N Linear Regression Problems.”

Liu, Julie C; chemical engineering, from 3M General Offices, \$15,000, “Engineering Protein Polymers with Tunable Material-Based Cues for Directing Science, Technology, Engineering & Mathematics (STEM) Cell Differentiation.”

Luke, Eileen M; CERIS, from National Institute of Food & Agriculture, \$175,000, “National Plant Diagnostic Network (NPDN) National Database/National Network of Diagnostic Centers.”

Lundstrom, Mark S; electrical & computer engineering, from Multi-Sponsored Industrials, \$75,000, “Network for Computational Nanotechnology (NCN) Membership.” (a Discovery Park award — Birck Nanotechnology Center)

Luo, Zhao-Qing; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$22,553, “The Roles of Host Factors in the AMPylation Activity of a Bacterial Effector.”

Luo, Zhao-Qing; biological sciences, from Winifred B. Bilsland Endowment, \$9,564, “Tan, Yunhao.”

Lynam, Donald R; psychological science, from University of Kentucky Research Foundation, \$25,147, “CDART- Center for Drug Abuse Research Translation.”

Lyrantzis, Anastasios S and Blaisdell, Gregory A; aeronautical & astronautical engineering, from Combustion Research and Flow Technology, Inc. (CRAFT Tech), \$37,000, “Aeroacoustics of High-Speed Jet Impingement.”

Lyutikov, Maxim Y; physics, from National Aeronautics and Space Administration, \$89,332, “Dynamics and Emission Properties of Relativistic Magnetized Outflows: from Crab to GRBs.”

Ma, Jianxin; agronomy, from Agricultural Research Service, \$18,900, “Profiling Gene Expression in Soybean Cotyledons.”

MacDermid Wadsworth, Shelley; child development & family studies, from Zero to Three, \$9,750, “Evaluation of a Coming Together Around Veteran Families Training.”

MacDermid Wadsworth, Shelley; child development & family studies, from Zero to Three, \$5,000, “Evaluation of E-Learning Modules.”

Malis, Oana; Manfra, Michael J and Zakharov, Dmitri N; physics, from National Science Foundation, \$126,711, “Global Strain-Free III-Nitride Heterostructures: Growth, Structure and Near-Infrared Optical Properties.” (a Discovery Park award — Birck Nanotechnology Center)

Mann, Nancy K; dental education — Fort Wayne campus, from Indiana Campus Compact, \$1,000, “Smiles for Success: Restoring Functional Dentition One Mouth at a Time.”

Marais, Karen; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$19,695, “Le, Tiffany.”

Marchand, Belinda G; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$50,000, “Constrained Two-Level Corrections for Autonomous Onboard Targeting.”

Marshall, Brandeis H; computer & information technology, from National Science Foundation, \$9,900, “Broadening Participation in Data Mining.”

Marthakis, Nancy B; biological sciences — North Central Campus, from Indiana Campus Compact, \$3,750, “ICC Senior Faculty Fellowship 2011-2012.”

Martin, Anthony M; vice chancellor-administrative services — Calumet campus, from Lake County Substance Abuse Council, \$4,000, “Students Holler Out Against Substance Abuse.”

Mauer, Lisa J; food science, from Purdue Doctoral Program, \$13,314, “Marrs, Krystin.”

Mauer, Lisa J; food science, from Purdue Doctoral Program, \$126, “Lipasek, Rebecca A.”

Mauer, Lisa J; food science, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Allan, Matthew.”

Maylath, Nancy S; student health center, from Indiana State Department of Health, \$5,011, “Indiana Campus Sexual Assault Primary Prevention Project.”

McKee, Renee K; youth development & agricultural education, from Cooperative State Research Service, \$128,000, “EUREKA (Education Underscores Rewards in Economic/Knowledge Attainment).”

Melosh, Henry J; physics, from National Aeronautics and Space Administration, \$68,230, “Deep Impact: Implications of the Early Hot Plume for Comet Structure - Sup 1 for Grant 105617.”

Mengiste, Tesfaye D; botany & plant pathology, from National Science Foundation, \$6,000, “Research Experience for Undergraduates (REU) Supplement/Histone Modifications and Mediator Complex in Plant Innate Immunity to Necrotrophic Fungi.”

Mesecar, Andrew D; biological sciences, from Vanderbilt University Medical Center, \$39,485, “DMPK and in Vivo Studies of the Highly Selective Non-Covalent SARS Main Proteinase 3 CLpro Inhibitor ML188.”

Mesecar, Andrew D; biological sciences, from Loyola University Chicago, \$304,771, “Mechanisms of Viral Proteases in Coronavirus Replication and Pathogenesis; Amendment 2.”

Messick, Joanne B; comparative pathobiology, from Winifred B. Bilsland Endowment, \$19,394, “Guimaraes, Ana.”

Mintert, James R; agriculture — administration, from Indiana State Department of Agriculture, \$20,000, “Small Farm Conferences.”

Mintert, James R and Ballard, Roy W; agriculture — administration, field extension educators, from University of Minnesota, \$32,750, “Indiana 2012 State Professional Development Program (PDP) Chapter 3 Program.”

Mintert, James R; field extension educators, from Indiana State Department of Agriculture, \$50,000, “Hoop House.”

Mintert, James R and Ballard, Roy W; agriculture — administration, field extension educators, from University of Minnesota, \$17,250, “Indiana 2012 State Professional Development Program (PDP) Chapter 1 Program.”

Mohler, James L; technology — administration, from Ross Graduate Fellowship-Assistantship, \$17,222, “Chen, Guo.”

Mohler, James L; technology — administration, from Purdue University F N Andrews Fellowship, \$17,222, “Liu, Zhiwei.”

Monteith, Margo J; psychological science, from National Science Foundation, \$52,517, “Implicit Stereotyping and Prejudice: Strategies and Processes of Change; Amendment 4 for Grant 104546.”

Morgan, Mark T and Applegate, Bruce M; food science, from Millisecond Technologies, Corp, \$47,594, “Microbial Efficacy Testing of an MST Pilot-Scale System for Milk Pasteurization.”

Mosier, Nathan S; agricultural & biological engineering, from Ross Graduate Fellowship-Assistantship, \$18,255, “Clingenpeel, Shane.”

Mudawar, Issam; mechanical engineering, from National Aeronautics and Space Administration, \$150,000, “Flow Boiling and Condensation Experiment (FBCE).”

Mullins, James L; library administration, from Council on Library and Information Resources, \$77,400, “CLIR/DLF New Data Curation Fellowships.”

Mumford, Kevin; economics, from Purdue University, \$8,000, “The Effect of Underwater Mortgages on Unemployment.”

Neumeister, Norbert; Bortoletto, Daniela; Hacker, Thomas J and Shipsey, Ian P; physics, computer & information technology, from Princeton University, \$178,717, “U.S. Compact Muon Solenoid (CMS) Operations at LHC; Modification No. 1.”

Nielsen, S S; food science, from Purdue Doctoral Program, \$17,287, “Ho, Kacie.”

Niyogi, Devdutta S; agronomy, from Debbie P & Louise a Cascardo, \$300, “State Climatology.”

Nnanna, Agbai A; Purdue Calumet Water Institute, from Indiana Department of Environmental Management, \$28,000, “Purdue Calumet Water Institute - Lake Michigan Water Resources Study.”

Oakes, William C; engineering education, from Multi-Sponsored Industrials, \$494, “Engineering Projects in Community Service (EPICS).”

Ohland, Matthew W; engineering education, from National Science Foundation, \$219,185, “Planning Grant: Developing a National Higher Education Student Unit Record Database.”

Ohm, Herbert W; agronomy, from Agricultural Research Service, \$75,137, “Improvement of Soft Winter Wheat is Resistant to FHB and Adapted to Indiana.”

Okos, Martin R; agricultural & biological engineering, from Purdue University F N Andrews Fellowship, \$18,263, “Bressani, Gina.”

Olek, Jan; civil engineering, from Indiana Department of Transportation, \$17,000, “Investigation of Use of Slag Aggregates and Slag Cements in Concrete Pavements to Reduce Their Maintenance Costs, SPR-3310.”

Oliver, Haley F; food science, from Purdue University F N Andrews Fellowship, \$17,287, “Hammons, Susan R.”

Otto, Kevin J; biomedical engineering, from University of Wisconsin, \$97,148, “Multiscale Bidirectional Neural Interfaces for Comprehensive Central Nervous System Interface Reliability Improvement.”

Ouyang, Zheng; biomedical engineering, from Thermo Fisher Scientific, \$50,000, “Thermo Fisher Voluntary Support Account.”

Ouyang, Zheng; Cooks, Robert G and Tao, Weiguo A; biomedical engineering, chemistry, biochemistry, from PHS-NIH National Center for Research Resource, \$178,217, "Paper Spray Ionization Mass Spectrometry Device for Direct Analysis of Biofluid Samples." (a Discovery Park award — Bindley Bioscience Center)

Panitch, Alyssa; biomedical engineering, from North Carolina State University, \$46,396, "Understanding of Molecular Phenomena on Planar and Nanosized GaP Surfaces Under Different Environmental Conditions."

Parashar, Neeti; chemistry and physics — Calumet campus, from National Science Foundation, \$100,000, "Research in High Energy Physics on the Compact Muon Solenoid (CMS) Experiment."

Patton, Aaron J; agronomy, from Midwest Regional Turf Foundation, \$2,000, "Turf-grass Research."

Patton, Aaron J; agronomy, from Midwest Regional Turf Foundation, \$2,500, "MRTF Extension & Research."

Patton, Aaron J; agronomy, from Midwest Regional Turf Foundation, \$3,825, "Midwest Regional Turf Foundation."

Pawley, Alice L; engineering education, from Purdue Doctoral Program, \$19,468, "Phillips, Canek."

Pawley, Alice L; engineering education, from Purdue Doctoral Program, \$19,695, "Yatchmeneff, Michele."

Pekarek, Steven D and Sudhoff, Scott D; electrical & computer engineering, from National Aeronautics and Space Administration, \$39,999, "Design of Variable Flux Memory Motor Drives for Zero G Locomotion and 1 G Ambulation."

Pekarek, Steven D; electrical & computer engineering, from Kohler Company, \$22,000, "Kohler — Student Assistant"

Pelter, Libbie S; chemistry and physics — Calumet campus, from University of Nebraska-Lincoln, \$20,889, "Catalytic Asymmetric Hydroboration."

Peroulis, Dimitrios; electrical & computer engineering, from Raytheon, \$80,000, "Advanced S-Band Tunable Filter Demonstration Engineering Services Support." (a Discovery Park award — Birck Nanotechnology Center)

Peroulis, Dimitrios; electrical & computer engineering, from Intelligent Automation Inc, \$35,000, "High-Efficiency Dual Band Power Combiner and Power Amplifier." (a Discovery Park award — Birck Nanotechnology Center)

Peterson, Nancy J; English, from Purdue Doctoral Program, \$19,394, "Sanchez, Fernando."

Peterson, Nancy J; English, from Purdue Doctoral Program, \$19,394, "Delgado, Anthony Joseph."

Peterson, Nancy J; English, from Purdue University F N Andrews Fellowship, \$19,394, "Nail, Stacy O."

Peterson, Nancy J; English, from Purdue University F N Andrews Fellowship, \$19,468, "Nakawaki, Bryan Daniel."

Peterson, Nancy J; English, from Purdue University F N Andrews Fellowship, \$19,394, "Smith, Julia."

Peterson, Nancy J; English, from Purdue Doctoral Program, \$48, "Prince, Shannon."

Peterson, Nancy J; English, from Winifred B. Bilsland Endowment, \$8,064, "Eldam, Laura B."

Peterson, Nancy J; English, from Purdue Doctoral Program, \$19,394, "Layfield, Allison S."

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

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

Pinal, Rodolfo; industrial & physical pharmacy, from Trask Trust Fund, \$49,999, "Development of Novel Prefabricated Film Based Dosage Forms: Eye on Commercialization."

Pipes, R Byron; materials engineering, from Purdue University F N Andrews Fellowship, \$18,194, "Smith, Nicholas."

Pogranichniy, Roman M; Animal Disease Diagnostic Laboratory, from Elanco Animal Health, \$15,500, "Approved Procedure on Materials Transfer from Purdue University to Elanco."

Pourpoint, Timothee L; aeronautical & astronautical engineering, from Industrial Technology Res Institute, \$100,000, "Characterization of Heat and Mass Transport in Catalyzed Magnesium Hydride Hydrogen Storage Systems."

Prabhakar, Sunil K; computer science, from Ross Graduate Fellowship-Assistantship, \$17,222, "Yeh, Yo-Sing."

Prabhakar, Sunil K; computer science, from Winifred B. Bilsland Endowment, \$11,330, "Gangam, Sriharsha."

Prabhakar, Sunil K; computer science, from Purdue University F N Andrews Fellowship, \$17,222, "Zhang, Ning."

Prabhakar, Sunil K; computer science, from Purdue University F N Andrews Fellowship, \$17,222, "Gutierrez, Christopher N."

Prabhakar, Sunil K; computer science, from George Washington Carver Fellowship, \$21,394, "Pastrana Camacho, Pedro."

Prabhakar, Sunil K; computer science, from Ross Graduate Fellowship-Assistantship, \$17,222, "Chan, Ping Fai."

Prabhakar, Sunil K; computer science, from Winifred B. Bilsland Endowment, \$8,330, "Agnin, Pelin."

Prabhakar, Sunil K; computer science, from Lynn Interdisciplinary Graduate Fellowship, \$17,222, "Han, Yan."

Prabhakar, Sunil K; computer science, from Purdue Doctoral Program, \$20,144, "Avery, Jeffrey."

Prabhakar, Sunil K; computer science, from Ross Graduate Fellowship-Assistantship, \$17,222, "Reese, Josh."

Purcell, Lindsey A; forestry & natural resources, from Indiana Department of Natural Resources, \$3,480, "Municipal Tree Care."

Quagraine, Kwamena K and Dennis, Jennifer L; agricultural economics, from Oregon State University, \$281,000, "Value Chain Analysis and Experimental Pond Unit Assessment in Ghana."

Quagraine, Kwamena K; Keener, Kevin M and Liceaga, Andrea M; agricultural economics, food science, from University of Illinois, \$84,970, "Outreach and Education Programming in Aquaculture and Seafood Products in the Great Lakes Region, Amendment 2."

Rainey, Katherine M; agronomy, from Indiana Soybean Alliance, \$200,000, "Program Support for Soybean Breeder and Geneticist."

Rainey, Katherine M and Casteel, Shaun N; agronomy, from Smithbucklin Corp, \$145,547, "Clarifying the Genetic Architecture of Components of Yield with SoyNam."

Ramachandran, P V; chemistry, from Multi-Sponsored Industrials, \$25,000, "Voluntary Support."

Ramani, Karthik; mechanical engineering, from National Science Foundation, \$50,000, “Zero-UI: Translation of Purdue Gesture-Based Creative Interaction Technologies into the Real World.”

Ratliff, Timothy L; Crist, Scott A; Liu, Xiaoqi and Snyder, Paul W; Cancer Research Center, comparative pathobiology, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, \$343,736, “Initiation and Regulation of Chronic Auto-immune Prostate Inflammation.”

Ratliff, Timothy L; comparative pathobiology, from Carroll County Cancer Association, \$20,000, “Cancer Research.”

Reklaitis, Gintaras V; chemical engineering, from National Science Foundation, \$1,983, “CDI-Type II: Cyber-Enabled Engineering of Pharmaceutical Products - Supplemental Funding Request (Conference Travel).”

Rescot, Robert A; mechanical engineering — Calumet campus, from Northwestern Indiana Regional Planning Commission, \$250, “NWI Rail Vision Task Force.”

Rhoads, Jeffrey F; mechanical engineering, from Purdue University F N Andrews Fellowship, \$21,550, “Woods, Daniel C.”

Richert, Brian T; animal sciences, from Fleischmanns Yeast Inc., \$10,000, “Swine Research.”

Richert, Brian T; animal sciences, from Indiana Meat Packers & Processors Assn., \$3,000, “Indiana Meat Packers.”

Roberts, Jeffrey T and Evans, Zenephia E; science — administration, from Abbott Laboratories, \$10,000, “Multicultural Science Program ABC.”

Ross, Charles S; English, from Lynn Interdisciplinary Graduate Fellowship, \$17,644, “ONeil, Monica Leah.”

Ross, Charles S; English, from Lynn Interdisciplinary Graduate Fellowship, \$17,644, “Huang, Yingying.”

Rossmann, Michael G; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$48,845, “Structural Studies of Bacteriophage T4.”

Rossmann, Michael G; Chen, Jue and Kuhn, Richard J; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$684,798, “Structure and Function of Flaviviruses.”

Roy, Kaushik; electrical & computer engineering, from Qualcomm Incorporated, \$55,000, “Spin Transfer Torque – Magnetic Random Access Memory (STT-MRAM) Research Engagement.”

Ruan, Xiulin; mechanical engineering, from Winifred B. Bilsland Endowment, \$16,394, “Qiu, Bo.”

Rundell, Ann E; biomedical engineering, from Purdue University F N Andrews Fellowship, \$21,550, “Bajaj, Nimisha.”

Sadeghi, Farshid; mechanical engineering, from Tecumseh Compressor Group, \$12,500, “Tribology Lab Research.”

Sadeghi, Farshid; mechanical engineering, from Tecumseh Compressor Group, \$25,000, “Tribology Lab Research.”

Saeedifard, Maryam; electrical & computer engineering, from Mathworks, \$5,000, “Research and Development of LED Drivers for Solid State Lighting Systems.”

Saha, Shubin K; horticulture & landscape architecture, from Multi-Sponsored Industrials, \$1,250, “Multi Sponsored Gift Account.”

Sameh, Ahmed H; computer science, from National Science Foundation, \$240,000, “SI2-SSE: Collaborative Research: SPIKE-An Implementation of a Recursive Divide-and-Conquer Parallel Strategy for Solving Large Systems of Linear Equations.”

Sameh, Ahmed H; computer science, from Sandia National Laboratories, \$46,952, “Support for Deaglan Halligan from Sandia National Labs.”

Sangid, Michael D; aeronautical & astronautical engineering, from Purdue University, \$8,000, “Computational Process Modeling of Aerospace Components.”

Sangid, Michael D; aeronautical & astronautical engineering, from Ross Graduate Fellowship-Assistantship, \$18,263, “Esquivel, Javier.”

Savikhin, Sergei F; physics, from U.S. Department of Energy, \$133,739, “Novel Photoprotection Mechanisms in Closely Packed Photosynthetic Antenna Complexes and in Artificial Light-Harvesting (Bacterio) Chlorophyll Aggregate.”

Scharf, Michael E and Sethi, Amit; entomology, from Trask Trust Fund, \$40,590, “Termite-Derived Biocatalysts for Use in Sustainable Energy Production.”

Schmidt, Edie K; technology — administration, from Purdue University F N Andrews Fellowship, \$126, “Mozammel, Afsheen.”

Schmidt, Edie K; industrial technology, from Kimberly-Clark Corp., \$9,870, “Kimberly Clark Research Project.”

Schneider, Steven P; aeronautical & astronautical engineering, from Ross Graduate Fellowship-Assistantship, \$18,263, “Chynoweth, Brandon.”

Seipel, Justin E; mechanical engineering, from National Science Foundation, \$50,000, “Making Loads Lighter: A Handle Suspension for the Prevention of Musculoskeletal Injury.”

Sepulveda, Maria S; forestry & natural resources, from Winifred B. Bilsland Endowment, \$9,564, “Leet, Jessica K.”

Shaver, Gregory M; mechanical engineering, from Purdue University F N Andrews Fellowship, \$18,263, “Vora, Ashish.”

Sherman, Louis A; biological sciences, from National Science Foundation, \$21,300, “Indo US Workshop on Cyanobacteria: Molecular Networks to Biofuels.”

Shi, Riye; basic medical science, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Tian, Ran.”

Shih, Tom I; aeronautical & astronautical engineering, from Chappelle, \$564, “Harden, Galen K.”

Shih, Tom I; aeronautical & astronautical engineering, from Ross Graduate Fellowship-Assistantship, \$18,263, “Stratton, Zachary.”

Shih, Tom I; aeronautical & astronautical engineering, from Ross Graduate Fellowship-Assistantship, \$18,263, “Good, Marissa.”

Shih, Tom I; aeronautical & astronautical engineering, from Purdue University F N Andrews Fellowship, \$21,550, “Mugenda, Angela.”

Shih, Tom I; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$19,620, “Le, Leonardo.”

Shih, Tom I; aeronautical & astronautical engineering, from Purdue University F N Andrews Fellowship, \$3,333, “Richard, Jerry D.”

Shin, Yung C; mechanical engineering, from Purdue University F N Andrews Fellowship, \$21,550, “Datta, Anurup.”

Siegmund, Thomas H; mechanical engineering, from Geomcae LLC, \$990, “Voluntary Support.”

Slamovich, Elliott B; materials engineering, from Ross Graduate Fellowship-Assistantship, \$18,263, “Heiden, Michael.”

Slamovich, Elliott B; materials engineering, from Ross Graduate Fellowship-Assistantship, \$18,263, “Peng, Xiu-Feng.”

Sloan, Mary Anne; technical assistance program, from Multi-Sponsored Industrials, \$1,360, “Multi Sponsor Account I-HITEC.”

Sloan, Mary Anne; technical assistance program, from Indiana State Department of Health, \$111,312, “State of Indiana: State-Wide Public Health Hazard Vulnerability Assessment and Analysis.”

Sloan, Mary Anne; technical assistance program, from Multi-Sponsored Industrials, \$1,360, “Multi Sponsor Account I-HITEC.”

Smith, Anne; speech, language & hearing science, from Winifred B. Bilsland Endowment, \$14,894, “Macpherson, Megan K.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Orellana, Esteban.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Yang, Yi.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Athinarayanan, Shaminie.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Antonides, Jennifer.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Lee, Hyeonjeong.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Mendes, Adriano.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Page, Jessica.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Poudyal, Shishir.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Teachey, Morgan.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Weera, Marcus.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Zhan, Ross.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Vega Alvarez, Sasha.”

Smith, Mjt; graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,287, “Bolton, Scott.”

Smith, Mjt; graduate school administration, from Purdue Doctoral Program, \$17,287, “Specht, Aaron.”

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

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

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

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

Smith, Richard S; food science, from Hinsdale Farms Ltd, \$2,050, “Sensory Evaluation Research.”

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

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

Smith, Richard S; food science, from Hinsdale Farms Ltd, \$4,000, “Sensory Evaluation Research.”

Smith, Richard S; food science, from Hinsdale Farms Ltd, \$7,000, “Sensory Evaluation Research.”

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

Son, Steven F; mechanical engineering, from Purdue Doctoral Program, \$19,468, “Mares, Jesus.”

Song, Xiaohui C and Bertoline, Gary R; academic technologies, college of technology - administration, from National Science Foundation, \$707,260, “Science: TeraGrid Resource Partners.”

Spafford, Eugene H; computer science, from John Wiley & Sons Limited England, \$2,500, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

Staiger, Christopher J; biological sciences, from National Science Foundation, \$379,831, “Collaborative Proposal--Arabidopsis 2010: Dissecting Cortical Actin Function During Arabidopsis-Pseudomonas Interactions; Amendment 2.” (a Discovery Park award — Bindley Bioscience Center)

Steup, Matthias P; philosophy, from Ross Graduate Fellowship-Assistantship, \$17,644, “D Amato, Claudio.”

Steup, Matthias P; philosophy, from Purdue Doctoral Program, \$19,394, “Montoya, Tiffany Elise.”

Strachan, Alejandro H; materials engineering, from U.S. Department of Energy, \$80,000, “Shape Memory in Nanoscale Metallic Alloys; Modification 5 for Grant 102835.”

Strobel, Johannes; engineering education, from Purdue Doctoral Program, \$19,695, “Rynearson, Anastasia.”

Strobel, Johannes; engineering education, from Chaminade University of Honolulu, \$43,170, “Technology Enhanced Sustainable Aina Project (TESAP).”

Sun, Chin-Teh; aeronautical & astronautical engineering, from NextGen Aeronautics, Inc, \$139,500, “Purchase Order 10-17 Change Order #1 [Grant 105037].”

Sun, Chin-Teh; aeronautical & astronautical engineering, from Tuskegee University, \$40,000, “Modeling of Nanocomposites; Amendment 4.”

Sypher, Howard E; communication, from Winifred B. Bilsland Endowment, \$16,394, “King, Abigail Deborah.”

Sypher, Howard E; communication, from Ross Graduate Fellowship-Assistantship, \$48, “Sturgess, Jessica Nicole.”

Sypher, Howard E; communication, from Puskas Memorial Fund, \$20,894, “Maiorescu, Roxana.”

Sypher, Howard E; communication, from Purdue University F N Andrews Fellowship, \$19,394, “Wilhoit, Elizabeth Dortha.”

Sypher, Howard E; communication, from Purdue University F N Andrews Fellowship, \$19,394, “McNallie, Jenna D.”

Talavage, Thomas M; electrical & computer engineering, from George Washington Carver Fellowship, \$21,394, “Poole, Victoria.”

Taylor, Lynne S; industrial & physical pharmacy, from Anasys Instruments, \$70,000, “New Biomedical Imaging Platform Based on Nanoscale IR Spectroscopy.”

Taylor, Lynne S; industrial & physical pharmacy, from Abbott Laboratories, \$369,403, "Optimizing Amorphous Solid Dispersions through Modification of Solution Phase Behavior with Additives."

Thomovsky, Elizabeth J; Johnson, Paula A and Moore, George E; veterinary clinical science, comparative pathobiology, from American Kennel Club Health Foundation, \$6,258, "Diagnostic Accuracy of the Multistix 8sg Reagent Strip to Diagnose Bacterial Peritonitis in Dogs with Ascites."

Thompson, David H; chemistry, from PHS-NIH National Institute of General Medical Science, \$289,908, "Development of Bioreponsive Lipids for Intracellular Delivery."

Thompson, David H; chemistry, from Pandion Laboratories LLC, \$40,000, "Pandion Laboratories."

Thompson, David H; chemistry, from Pandion Laboratories LLC, \$25,000, "Pandion Laboratories."

Tobias, Justin L; economics, from Purdue Doctoral Program, \$12,620, "Wai, Sebastian."

Tobias, Justin L; economics, from Purdue Doctoral Program, \$12,620, "Meisner, Andrew."

Tomar, Vikas; aeronautical & astronautical engineering, from Winifred B. Bilsland Endowment, \$19,394, "Gan, Ming."

Towns, Marcy H; chemistry, from National Science Foundation, \$10,000, "Collaborative Research: A Conference to Promote the Integration of Research on Undergraduate Mathematics, Physics, and Chemistry Education."

Turco, Ronald F; Goforth, Reuben R and Prokopy, Linda S; agronomy, forestry & natural resources, from Wabash River Enhancement Corp, \$132,000, "Deer Creek-Sugar Creek Watershed Management Plan and Implementation Program."

Turco, Ronald F; Goforth, Reuben R and Prokopy, Linda S; agronomy, forestry & natural resources, from Wabash River Enhancement Corp, \$239,000, "Region of the Great Bend of the Wabash River Implementation Project."

Useem, Bert; sociology, from Ross Graduate Fellowship-Assistantship, \$14,992, "Clem, Candrianna Gayle."

Useem, Bert; sociology, from George Washington Carver Fellowship, \$21,394, "Connor, Tyrell Anthony."

Useem, Bert; sociology, from Purdue Doctoral Program, \$19,468, "Penn, Daphne Michelle."

Useem, Bert; sociology, from Lynn Interdisciplinary Graduate Fellowship, \$17,222, "Johnson, Kaitlin L."

Vacca, Andrea; agricultural & biological engineering, from Multi-Sponsored Industries, \$1,525, "Multi Sponsored Gift."

Vacca, Andrea; agricultural & biological engineering, from Purdue University F N Andrews Fellowship, \$21,550, "Oppenwall, Timothy."

Vemulapalli, Tracy H; comparative pathobiology, from Purdue University F N Andrews Fellowship, \$17,287, "Cheng, Syu-Jhe."

Vitek, Olga; statistics, from Advanced Bioimaging, \$9,317, "Voluntary Support."

Volenc, Jeffrey J; Brouder, Sylvie M; Chaubey, Indrajeet; Murphy, Patrick T; Orvis, Kathryn S; Ileleji, Klein; Carroll, Natalie J; Johnson, Keith D and Turco, Ronald F; agronomy, agricultural & biological engineering, youth development & agricultural education, from Iowa State University, \$718,517, "Sustainable Production and Distribution of Bioenergy for the Central USA-Sustainability Budget."

Vyn, Tony J; agronomy, from Fluid Fertilizer Foundation, \$20,000, "Agricultural Cropping Systems."

Vyn, Tony J; agronomy, from Fluid Fertilizer Foundation, \$3,015, "Agricultural Cropping Systems."

Vyn, Tony J; agronomy, from Monsanto Company, \$80,000, "Corn Physiology Fund."

Vyn, Tony J; agronomy, from Fluid Fertilizer Foundation, \$10,000, "Agricultural Cropping Systems."

Wassgren, Carl R; mechanical engineering, from Procter & Gamble Company, \$50,000, "P and G Voluntary Support."

Watts, Susan G; management, from Purdue University F N Andrews Fellowship, \$17,222, "Lee, Kyung Yun."

Watts, Val J and Hu, Changdeng; medicinal chemistry & molecular pharmacology, from PHS-NIH National Institute of Mental Health, \$378,283, "D2 Receptor-Induced Sensitization of Adenylate Cyclase."

Weaver, Connie M; foods & nutrition, from Pfizer Inc, \$5,000, "International Symposium on Nutritional Aspects of Osteoporosis."

Weaver, Connie M; foods & nutrition, from Amgen, Inc, \$170,238, "Regulation of Calcium Metabolism: Influence of RANKL Inhibition."

Weaver, Connie M; McCabe, George P and Newcomer, Sean C; foods & nutrition, statistics, health & kinesiology, from Dairy Research Institute, \$110,000, "Does High Calcium Exacerbate Atherosclerosis?"

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

Weaver, Kyle E; field extension educators, from Switzerland County Awareness Team, \$500, "10th Grade Leadership Program."

Weiner, Andrew M; electrical & computer engineering, from Naval Postgraduate School, \$893,187, "Novel Ultrabroadband Photonic and Radio-Frequency Systems for Communications, Sensing and Countermeasures; Modification 4 for Grant 103743."

Weiser, Irwin H; liberal arts — Administration, from Purdue Research Foundation (PRF) Summer Research Grants, \$2,943, "2012 GS SRG — AMST."

Weiss, William J; civil engineering, from Lafarge North America, \$15,000, "Studies of Early Age Concrete."

Weller, Stephen C; horticulture & landscape architecture, from Purdue University F N Andrews Fellowship, \$17,287, "Croft, Marcia M."

Whitford, Fred; botany & plant pathology, from Professional Landcare Network Inc, \$300, "Purdue Pesticide Programs."

Whitford, Fred; botany & plant pathology, from Professional Landcare Network Inc, \$682, "Purdue Pesticide Programs."

Wilbur, Ronnie B; speech, language & hearing science, from Lynn Interdisciplinary Graduate Fellowship, \$17,644, "Law, Wai Ling."

Wilbur, Ronnie B; speech, language & hearing science, from Lynn Interdisciplinary Graduate Fellowship, \$17,644, "Grotberg, April L."

Wilbur, Ronnie B; speech, language & hearing science, from Lynn Interdisciplinary Graduate Fellowship, \$17,644, "Zheng, Chun."

Wild, Robert E; chemistry, from Winifred B. Bilsland Endowment, \$20,888, "Prentice, Boone."

Wild, Robert E; chemistry, from Purdue University F N Andrews Fellowship, \$17,287, "Pilo, Alice L."

Wild, Robert E; chemistry, from Ross Graduate Fellowship-Assistantship, \$17,287, “Schmitt, Paul D.”

Wild, Robert E; chemistry, from Ross Graduate Fellowship-Assistantship, \$17,287, “Sarkar, Anindya.”

Wild, Robert E; chemistry, from Ross Graduate Fellowship-Assistantship, \$17,287, “Pearson, Kinsey R.”

Wild, Robert E; chemistry, from Ross Graduate Fellowship-Assistantship, \$17,287, “Madson, Alex T.”

Wild, Robert E; chemistry, from Purdue University F N Andrews Fellowship, \$17,287, “Strauss, Kevin.”

Wild, Robert E; chemistry, from Ross Graduate Fellowship-Assistantship, \$17,287, “Li, Mo.”

Wild, Robert E; chemistry, from Purdue University F N Andrews Fellowship, \$17,287, “Mazzotta, Michael G.”

Wild, Robert E; chemistry, from Purdue University F N Andrews Fellowship, \$17,287, “Judkins, Eileen C.”

Wild, Robert E; chemistry, from Purdue University F N Andrews Fellowship, \$17,287, “Huckabee, Alexis G.”

Wild, Robert E; chemistry, from Purdue University F N Andrews Fellowship, \$17,287, “Barefoot, Nathan Z.”

Wild, Robert E; chemistry, from Purdue University F N Andrews Fellowship, \$17,287, “Sturtevant, Hannah.”

Wild, Robert E; chemistry, from Purdue University F N Andrews Fellowship, \$17,287, “Mitsuhashi, Wataru.”

Wild, Robert E; chemistry, from Ross Graduate Fellowship-Assistantship, \$17,287, “Peng, Zhou.”

Wilker, Jonathan J; chemistry, from National Science Foundation, \$52,609, “3-D Metal Acetylide Chemistry.”

Williams, Rod N; forestry & natural resources, from Purdue Doctoral Program, \$17,287, “Hernandez-Gomez, Obed.”

Wise, Kiersten A; botany & plant pathology, from E.I. duPont de Nemours and Company, \$3,000, “Voluntary Support Account.”

Wise, Kiersten A; botany & plant pathology, from Agricultural Research Service, \$23,555, “Identifying Resistance to Charcoal Rot and Understanding the Role of Pathogen Variability in Disease Development in the North Central U.S.”

Wise, Kiersten A; botany & plant pathology, from Agricultural Research Service, \$3,823, “Integrated Management Strategies for Fusarium Head Blight in Indiana.”

Wise, Kiersten A; botany & plant pathology, from E.I. duPont de Nemours and Company, \$11,400, “Voluntary Support Account.”

Wu, Yue and Ye, Peide; chemical engineering, electrical & computer engineering, from National Science Foundation, \$250,000, “NSF EPM: Heterogeneous Integration of Complex Metal Oxides in Molecular Scale Nanowires for Advanced Electronics.”

Xia, Jianlin; mathematics, from National Science Foundation, \$22,300, “Efficient Structured Direct Solvers and Robust Structured Preconditioners or Large Linear Systems; Amendment 1 for Grant 105454.”

Xiu, Dongbin; mathematics, from Air Force Office of Scientific Research, \$83,132, “Reliability-Based Design Optimization Algorithms for Reliable Complex Systems; Modification 1 for Grant 105655.”

Yang, Won Sik; nuclear engineering, from National Res Foundation of Korea, \$43,653, “Study on Theory and Application of Cross Section Adjustment Methods.”

Yao, Bin; mechanical engineering, from Purdue University F N Andrews Fellowship, \$18,263, “Gu, Yan.”

Youngblood, Jeffrey P; materials engineering, from Purdue University F N Andrews Fellowship, \$18,194, “Steiner, Colton.”

Zavattieri, Pablo D; civil engineering, from University of California-Riverside, \$78,798, “Uncovering and Validating Toughening Mechanisms in High Performance Composites.”

Zavattieri, Pablo D; civil engineering, from University of California-Riverside, \$45,000, “Damage-Tolerant Biological Composites Derived from the Teeth of a Giant Chiton.”

Zheng, Wei; foods & nutrition, from Purdue Doctoral Program, \$2,181, “Specht, Aaron J.”

Zheng, Wei; health sciences, from Columbia University, \$66,190, “Environmental Epidemiology of Essential Tremor; Amendment 4.”

Zhou, Chenn Q; Center for Innovation thru Visualization & Simulation, from Mittal Steel Company, \$31,158, “Numerical Optimization of an Industrial Power Boiler Firing Metallurgical Gases.”

Ziaie, Babak; electrical & computer engineering, from Lilly (ELI) and Company, \$50,000, “Energy Scavenging Schemes for Lilly Insulin Pens.” (a Discovery Park award — Birck Nanotechnology Center)

Zillich, Alan J and Snyder, Margie E; pharmacy practice, from Amedisys, \$19,083, “A Study Design Proposal for: Evaluating the Efficacy of a Medication Management Program.”

Zollner, Patrick A; forestry & natural resources, from Ross Graduate Fellowship-Assistantship, \$17,287, “Cohen, Alexander J.”

Zollner, Patrick A; forestry & natural resources, from Purdue University F N Andrews Fellowship, \$17,287, “Day, Casey C.” ■

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