

# DIMENSIONS *of* DISCOVERY

## Sponsored Program Awards

August 2013

**Adams, George B** and **Comer, Douglas E**; computer science, from Mozilla Foundation, \$10,000, "Reliable Packet Delivery with Open Flow for Advanced Manufacturing and More." (a Discovery Park award — Network for Computational Nanotechnology)

**Agnew, Christopher R**; psychological science, from Ross Graduate Fellowship-Assistantship, \$18,425, "Adams, Katherine."

**Agnew, Christopher R**; psychological science, from Ross Graduate Fellowship-Assistantship, \$18,425, "Jebb, Andrew."

**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 4 for Grant 103965." (a Discovery Park award — Energy Center)

**Ahmed, Azza H**; nursing, from Purdue University, \$5,000, "Kauffman Foundation Continuation Grant ELA Awardee." (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Ajuwon, Kolapo**; animal sciences, from Nutriad, \$31,725, "Swine Research."

**Andronicos, Christopher L**; earth & atmospheric sciences, from National Science Foundation, \$74,716, "Collaborative Research: Constraining the Formation and Evolution of the Proterozoic Orogenic Belt of the SouthWest USA Based on Geochronology of Garnet and Accessory Minerals."

**Applegate, Bruce M**; food science, from Purdue University, \$5,000, "Kauffman Foundation Continuation Grant ELA Awardee." (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Applegate, Todd J**; animal sciences, from JBS United Inc, \$15,000, "Pyhtase in Poultry."

**Bahr, David F**; materials engineering, from Krell Institute, \$37,398, "Krell Fellowship for Samantha Lawrence."

**Balakrishnan, Venkataramanan**; electrical & computer engineering, from David M. Knox Endowment, \$19,425, "Green, Tyler A."

**Barnes, Ilana R** and **Zhang, Tao**; library administration, from Institute of Museum and Library Services, \$23,831, "A Crowdsourced Library Help System."

**Bauman, Patricia E** and **Phillips, Daniel**; mathematics, from National Science Foundation, \$233,782, "Analysis of Partially Ordered Materials; Amendment 2 for Grant 105470."

**Bayley, William G**; chemistry, from Multi-Sponsored Industrials, \$1,000, "Instrumentation Van Project."

**Beaulieu, Lionel J** and **Barnard, M Blayr G**; Office of Engagement, from Community Action of Southern Indiana, \$2,500, "Community Action of Southern Indiana."

**Beaulieu, Lionel J** and **Kumar, Indraneel**; agricultural economics, Office of Engagement, from Mississippi State University, \$141,000, "Delta Geographic Concentration Initiative."

**Beck, Alan M**; **Kritchevsky, Janice E**; **Richards, Elizabeth A** and **Ogata, Niwako**; comparative pathobiology, veterinary clinical science, nursing, from Amies Place Foundation, \$4,650, "Community Organization Meeting."

**Ben-Amotz, Dor**; chemistry, from National Science Foundation, \$139,758, "Interfacial Water-Mediated Structural Transformations; Amendment 1 for Grant 106168."

**Bertino, Elisa**; **Ouzzani, Mourad** and **Ghinita, Gabriel**; computer science, from National Science Foundation, \$192,347, "TC: Large: Collaborative Research: Privacy-Enhanced Secure Data Provenance; Amendment 4 for Grant 105427." (a Discovery Park award — Cyber Center)

**Bertoline, Gary R**; technology — administration, from National Science Foundation, \$43,182, "Intergovernmental Personnel Act Voyles."

**Bigelow, Cale A**; agronomy, from Agrotain International LLC, \$2,500, "Putting Greens Research."

**Blaisdell, Gregory A**; aeronautical & astronautical engineering, from Combustion Research and Flow Technology, Inc. (CRAFT Tech), \$77,477, "Aeroacoustics of High-Speed Jet Impingement; Subcontract #12-C-0170/C521; Modification 3."

**Borch, Richard F**; medicinal chemistry & molecular pharmacology, from Lynn Interdisciplinary Graduate Fellowship, \$17,240, "Abdallah, Amr."

**Borch, Richard F**; medicinal chemistry & molecular pharmacology, from Purdue Doctoral Program, \$20,804, "Badamy, Michael."

**Borch, Richard F**; medicinal chemistry & molecular pharmacology, from Winifred B. Bilsland Endowment, \$9,761, "Dolan, Patrick T."

**Borch, Richard F**; medicinal chemistry & molecular pharmacology, from Ross Graduate Fellowship-Assistantship, \$23,415, "Lindstrom, Aaron."

**Borch, Richard F**; medicinal chemistry & molecular pharmacology, from Purdue Doctoral Program, \$22,009, "Bauer, Todd."

**Borch, Richard F**; medicinal chemistry & molecular pharmacology, from Ross Graduate Fellowship-Assistantship, \$23,415, "O'Neill, Elizaveta."

**Borch, Richard F**; medicinal chemistry & molecular pharmacology, from Ross Graduate Fellowship-Assistantship, \$23,415, “Connelly, Katelyn.”

**Borch, Richard F**; medicinal chemistry & molecular pharmacology, from Winifred B. Bilsland Endowment, \$10,177, “Khadka, Sudip.”

**Bouman, Charles A**; electrical & computer engineering, from Quantum Magnetics, \$135,387, “Model-Based Reconstruction for XDi Imaging.”

**Bowling, Laura C**; agronomy, from Lynn Interdisciplinary Graduate Fellowship, \$19,028, “Rahman, Md. S.”

**Buczowski, Grzegorz A**; entomology, from Access Business Group International LLC, \$600, “Multi-Sponsored.”

**Buczowski, Grzegorz A**; entomology, from Ross Graduate Fellowship-Assistantship, \$17,556, “Luttermoser, Timothy.”

**Buczowski, Grzegorz A**; entomology, from Access Business Group International LLC, \$1,000, “Multi-Sponsored.”

**Bugusu, Betty A and Lowenberg-Deboer, James M**; food science, International Programs in Agriculture, from Foreign Agricultural Service, \$28,545, “Cochran Fellowship.”

**Bullock, Darcy M**; civil engineering, from Indiana Department of Transportation, \$50,000, “Traffic Signal Systems Operations and Management Transportation Pooled Fund (TPF-5258) Study — Grant 205999.”

**Bullock, Darcy M**; civil engineering, from Indiana Department of Transportation, \$25,000, “Administrative Budget Expansion for 2013 Research Program Peer Exchange.”

**Byrn, Stephen R**; industrial & physical pharmacy, from Argonne National Laboratory, \$24,078, “Synthesis, Characterization and Properties of Fast Acting Amorphous Drugs.”

**Byrn, Stephen R**; industrial & physical pharmacy, from U.S. Pharmacopeia, \$50,000, “U.S. Pharmacopeial Fellowship — Haichen Nie.”

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

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

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

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

**Campanella, Osvaldo H**; agricultural & biological engineering, from Blume Distillation, LLC, \$7,000, “Multi-Sponsored Gift Account.”

**Campbell, Noll L**; pharmacy practice, from Indiana University, \$59,323, “Pharmacological Management of Delirium; Amendment 3, Grant 15141.”

**Cardella, Monica E and Diefes-Dux, Heidi A**; engineering education, from National Science Foundation, \$300,000, “Expert-Novice Framework to Support Student and Instructor Feedback on Design.”

**Caruthers, James M**; chemical engineering, from National Science Foundation, \$34,964, “NSF Workshop on Life Performance of Polymer Based Engineering Materials: The Interaction Between Mechanics and Chemistry.” (a Discovery Park award — Institute for Defense Initiatives.)

**Cason, Timothy N**; economics, from University of Stirling, \$10,000, “Transactions Costs and Spatial Coordination in Land Conservation.”

**Chang, Fen-Lei F**; medical education — Fort Wayne campus, from Indiana University School of Medicine, \$34,000, “FY 2013-2014 Indiana University School of Medicine (IUSM) Fort Wayne Expansion Funding — State Support.”

**Chang, Fen-Lei F**; medical education — Fort Wayne campus, from Indiana University School of Medicine, \$25,000, “FY 2013-14 CNS Tissue Bank Fund.”

**Chang, Fen-Lei F**; medical education - fort wayne campus, from Indiana University School of Medicine, \$100,000, “FY 2013-2014 Indiana University School of Medicine (IUSM) Fort Wayne Chang Start Up.”

**Chapman, Robert N**; forestry & natural resources, from Wildlife Society, Indiana Chapter, \$1,000, “Voluntary Support — Ext. Activities.”

**Chen, Jun**; mechanical engineering, from U.S. Department of Education, \$134,172, “Fueling the Winds of Change — the Purdue University

Interdisciplinary Graduate Assistance in Areas of National Need (GAANN) Fellowship Program on Wind Energy Systems; Amendment 4 for Grant 106241.”

**Cheng, Ji-Xin and Robinson, Joseph P**; biomedical engineering, basic medical science, from PHS-NIH National Institute of General Medical Science, \$185,763, “Label-Free Multichannel Spectral Cytometry Based on Stimulated Raman Scattering.”

**Childress, Michael O**; veterinary clinical science, from Science Applications International Corp-SAIC, \$60,000, “Mod. 3 to Grant 106027 [Agreement 12XS406] COTC007B: Pre-Clinical Trial of Three Indenoisquinolines in Outbed Dogs Diagnosed with Non-Hodgkins Lymphoma.”

**Choi, Jong Hyun and Mao, Chengde**; mechanical engineering, chemistry, from National Science Foundation, \$505,823, “Understanding DNA-Graphene Interaction Towards Scalable Nanomanufacturing.”

**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, \$68,219, “Career and Technical Education Student Services 2013/2014.”

**Connor, Robert J**; civil engineering, from Indiana Department of Transportation, \$167,224, “Probability of Detection (POD) Study for Bridge Inspection Related to Steel Bridges Phase I — SPR 3820.”

**Constable, Peter D**; veterinary clinical science, from North Central Veterinary Emergency Center LLC, \$5,400, “Emergency Critical Care (ECC) Residency Training Program.”

**Cooklev, Todor V**; engineering & technology administration — Fort Wayne campus, from Ball State University, \$24,947, “Performance Study of Middleware Solutions for Software-Defined Radios.”

**Cooklev, Todor V and Stanchev, Lubomir P**; engineering & technology administration — Fort Wayne campus, computer science — Fort Wayne campus, from Adaptive Micro-Ware, Inc., \$47,224, “A Flexible and Extensible Solution to Incorporating New Radio Frequency (RF) Devices and Capabilities into EW/ISR Networks.”

**Cooks, Robert G;** chemistry, from Pfizer Inc, \$500, “Pfizer Analytical Chem Fellowship.”

**Cooks, Robert G;** chemistry, from Pfizer Inc, \$250, “Pfizer Analytical Chem Fellowship.”

**Cooks, Robert G and Ouyang, Zheng;** chemistry, biomedical engineering, from Michael J. Fox Foundation, \$388,870, “Parkinsons Disease Biomarker Search in Cerebrospinal Fluid by Ambient Mass Spectrometry.” (a Discovery Park award — Bindley Bioscience Center)

**Cooks, Robert G and Ouyang, Zheng;** chemistry, biomedical engineering, from The Coca Cola Company, \$100,000, “PO No. 4505416784 for Purdue Research Agreement 12119516.” (a Discovery Park award — Bindley Bioscience Center)

**Cooks, Robert G;** chemistry, from Pfizer Inc, \$250, “Pfizer Analytical Chem Fellowship.”

**Cosier, Richard A;** management, from Multi-Sponsored Industrials, \$500, “Purdue University Class of 1983 Fellowship.”

**Couetil, Laurent L; Aime, Mary C; Hogenesch, Harm; Rosenthal, Frank S and Thimmapuram, Jyothi;** veterinary clinical science, botany & plant pathology, school of veterinary medicine — administration, health sciences, computer science, from American Quarter Horse Association, \$40,878, “Identification of Aeroallergens Associated with Recurrent Airway Obstruction Using Immunoproteomics.”

**Couetil, Laurent L;** veterinary clinical science, from Novus International Inc., \$2,600, “Evaluation of Oral Aleiralm Supplementation in Horses with Chronic Lower Airway Inflammation Disease.”

**Cox, Monica F;** engineering education, from Purdue University, \$5,000, “Kauffman Foundation Continuation Grant ELA Awardee.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Crawford, Melba M;** engineering administration engineering experiment, from Winifred B. Bilsland Endowment, \$19,824, “Yang, Hsiu-Han.”

**Crawford, Melba M;** engineering administration engineering experiment, from Ross Graduate Fellowship-Assistantship, \$18,495, “Zhang, Zhou.”

**Culurciello, Eugenio;** biomedical engineering, from Johns Hopkins University, \$3,631, “Figure-Ground Processing, Saliency and Guided Attention for Analysis of Large Natural Scenes.”

**Cushman, John H;** mathematics, from National Aeronautics and Space Administration, \$68,000, “Homogenization and Optimization of Electrodes and Photovoltaic Cells with Periodic Nanoscopic Geometry-NASA Space Technology Research Fellowship (NSTRF) for Michael Mueterthies.”

**Dark, Melissa J and Marshall, Brandeis H;** computer & information technology, from National Science Foundation, \$299,927, “INSuRE EARly-concept Grants for Exploratory Research (EAGER).”

**Daugherty, Jenny L;** industrial technology, from Black Hills State University, \$110,697, “An Examination of Science and Technology Teachers Conceptual Learning through Concept-Learning Based Engineering Professional Development; Amendment 2, Grant 105723.”

**Davies, Patricia;** engineering administration engineering experiment, from Federal Aviation Administration, \$70,000, “Project 24: Noise Exposure Response — Annoyance.” (a Discovery Park award — Discovery Park Administration)

**Davisson, Vincent J;** medicinal chemistry & molecular pharmacology, from University of Notre Dame, \$10,000, “Liposomal Nanoparticles for Selective Anticancer Drug Delivery Targeting Vacuolar Atpase.”

**Day, Gordon J;** hospitality & tourism, from Indiana Office of Tourism Development, \$10,000, “I-Trip (Indiana Tourism Research and Insights Project).”

**Delp, Edward J;** electrical & computer engineering, from University of Hawaii, \$71,460, “Domoic Acid Neurotoxicity in Native Americans.”

**Doerge, Rebecca W;** statistics, from George Washington Carver Fellowship, \$504, “Harry, April J.”

**Doerge, Rebecca W;** statistics, from Purdue University F N Andrews Fellowship, \$17,556, “Lee, Hyoeun.”

**Donkin, Shawn S;** animal sciences, from Zinpro Corporation, \$3,000, “Ruminant Research.”

**Dukes, Jeffrey S;** forestry & natural resources, from National Aeronautics and Space Administration, \$30,000, “Using Plant Physiology, Satellite Observations, and Modeling to Improve Carbon Exchange in Earth System Models (Nicolas Smith).” (a Discovery Park award — Purdue Climate Change Research Center)

**Duval-Couetil, Nathalie A;** industrial technology, from Purdue University, \$10,000, “Kauffman Foundation Continuation Grant: Global.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Earley, Paul C;** management, from Winifred B. Bilsland Endowment, \$21,119, “Zhang, Huanren.”

**Earley, Paul C;** management, from Chappelle, \$19,425, “Ochynski, Christopher J.”

**Ebert, David S;** Engineering Administration Engineering Experiment, from U.S. Department of Homeland Security, \$1,799,000, “Visual Analytics for Command, Control, and Interoperability (VACCINE): Year 5 Center Operations (Administration).” (a Discovery Park award — Discovery Park Administration)

**Ebert, David S;** electrical & computer engineering, from U.S. Department of Homeland Security, \$795,000, “Taiper Supplement — Modification of Grant 2009-St-061-Ci0001.” (a Discovery Park award — Discovery Park Administration)

**Egel, Daniel S; Saha, Shubin K; Clingerman, Valerie A; Monroe, James S; Nowaskie, Dennis H; Restrepo, Maria H and Schmitz, Hans F;** botany & plant pathology, horticulture & landscape architecture, field extension educators, Southwest-Purdue Agricultural Center, from Organic Farming Research Foundation, \$7,857, “Yield, Plant Vigor, and Disease Resistance in Organic Heirloom Tomato Cultivars.”

**Eisenhauer, Mary Jane;** education — North Central campus, from Indiana Campus Compact, \$3,750, “Early Childhood Partnership for Service-Learning.”

**Engel, Bernard A;** agricultural & biological engineering, from Egyptian Cultural and Educational Bureau, \$1,250, “Bench Fees for Mr. Ahmed Abdel Kareem Abdeinaby.”

**Engel, Bernard A;** agricultural & biological engineering, from Michael Baker Jr Inc, \$0, “Technical Support for Assessment & Watershed Protection-Purdue Participation.”

**Eugster, Patrick T;** computer science, from Cisco Systems, Inc., \$98,988, “A Fog Architecture.”

**Fahmy, Sonia A;** computer science, from National Science Foundation, \$325,785, “Networking Technology and Systems (NeTS): Small: Meta-Networking Research: Analysis, Partitioning, and Mapping Tools for Large Experiments.”



**Fanjoy, Richard O;** aviation technology, from Purdue University Special Initiative Program, \$16,188, “Kirschner, Jennifer E.”

**Fanjoy, Richard O;** aviation technology, from Purdue University F N Andrews Fellowship, \$17,490, “Geske, Robert C.”

**Fanjoy, Richard O;** aviation technology, from Knox, David M. Endowment, \$19,425, “Miller, Amanda L.”

**Fanjoy, Richard O;** aviation technology, from Purdue University F N Andrews Fellowship, \$17,490, “Spence, Tyler B.”

**Federer, Natalie L;** field extension educators, from Carroll White REMC Comm Trust Inc, \$2,000, “Educational Programs.”

**Fernandez-Juricic, Esteban;** biological sciences, from Animal Plant Health Inspection Service, \$44,014, “Evaluation of the Effects of Radar Energy on Bird Behavior.”

**Ferruzzi, Mario;** food science, from Agricultural Research Service, \$82,490, “Berry Polyphenol Metabolite Analysis in Human Clinical Samples.”

**Filley, Timothy R;** earth & atmospheric sciences, from National Science Foundation, \$96,958, “Collaborative Research: Linking the Chemical Structure of Black Carbon to its Biological Degradation; Amendment 1 for Grant 105583.” (a Discovery Park award — Purdue Climate Change Research Center)

**Finke, Linda M;** health & human services — Fort Wayne campus, from Indiana Family Health Council, Inc., \$118,425, “Lafayette Street Family Health Clinic Title X.”

**Finley, John P; Bortoletto, Daniela; Shipsey, Ian P; Cui, Wei K; Neumeister, Norbert; Khlebnikov, Sergei and Kruczenski, Luis M;** physics, from U.S. Department of Energy, \$10,000, “An Experimental and Theoretical High Energy Physics Program.”

**Forbush, Kelsie T;** psychological science, from Lynn Interdisciplinary Graduate Fellowship, \$17,490, “Haney, Alison.”

**Freed, Andrew M;** earth & atmospheric sciences, from National Aeronautics and Space Administration, \$30,000, “Gravity Anomalies of Large Impact Basins: A Complete Modeling Approach.”

**French, Doran C;** child development & family studies, from Purdue Doctoral Program, \$17,318, “Sanchez, Laura Yanett.”

**French, Doran C;** child development & family studies, from Purdue Doctoral Program, \$17,318, “Napoli, Amy.”

**French, Doran C;** child development & family studies, from Ross Graduate Fellowship-Assistantship, \$17,556, “Fuzzell, Lindsay.”

**Gabin, Nancy F;** history, from Winifred B. Bilsland Endowment, \$9,195, “Qiu, Ping.”

**Garimella, Suresh V;** mechanical engineering, from Multi-Sponsored Industrials, \$15,000, “Cooling Technologies Research Center (CTRC) 2012-2013 Membership — Memo Match for 106029.”

**Garimella, Suresh V;** mechanical engineering, from Multi-Sponsored Industrials, \$7,500, “Cooling Technologies Research Center (CTRC) 2012-2013 Membership — Memo Match for 106029.”

**Garimella, Suresh V;** mechanical engineering, from Multi-Sponsored Industrials, \$7,500, “Cooling Technologies Research Center (CTRC) 2012-2013 Membership — Memo Match for 106029.”

**Garimella, Suresh V;** mechanical engineering, from Multi-Sponsored Industrials, \$7,500, “Cooling Technologies Research Center (CTRC) 2012-2013 Membership — Memo Match for 106029.”

**Garrison, James L;** aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$30,000, “NASA Earth and Space Science. Fellowship (NESSF) for Rashmi Shah Year 3-Remote Sensing of Ocean Surface Using Digital Communication Signals.”

**Garrison, James L and Haase, Jennifer S;** aeronautical & astronautical engineering, earth & atmospheric sciences, from National Aeronautics and Space Administration, \$84,458, “Evaluation of Radiological Methods for Airborne Global Navigation Satellite System (GNSS) Occultations-Grant 105907 Inc.”

**Garrison, James L;** aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$50,713, “Application of Multi-Constellation Global Navigation Satellite System (GNSS) Reflectometry Measurements to the Next Generation Salinity Mission: Supplement 1 for Grant 106203.”

**Gavin, Timothy P;** health & kinesiology, from Ross Graduate Fellowship-Assistantship, \$17,556, “Salsabili, Hoda.”

**Ghiselli, Richard F;** hospitality & tourism, from Purdue University F N Andrews Fellowship, \$17,556, “Kim, Joo Ho.”

**Giannios, Dimitrios;** physics, from National Aeronautics and Space Administration, \$97,000, “The Magnetic Reconnection Model of Blazar Flaring.”

**Ginther, April J;** English, from Purdue University, \$5,000, “Kauffman Foundation Continuation Grant ELA Awardee.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Goforth, Reuben R;** forestry & natural resources, from Ross Graduate Fellowship-Assistantship, \$17,556, “Coulter, Alison A.”

**Goodwin, Stephen B;** botany & plant pathology, from Egyptian Cultural and Educational Bureau, \$80,000, “Egyptian Cultural and Educational Bureau Fellowship for Omar Mohamed Zaid.”

**Grant, Richard H;** agronomy, from Mactech Engineering and Consulting, Inc., \$6,440, “CASTNET IV- AMEC Project No. 6064130418 [Subcontract No. EP-E-09-028].”

**Greeley, Jeffrey P;** chemical engineering, from U.S. Department of Energy, \$150,000, “Interfacial Electrocatalytic Processes from First Principles.”

**Greene, Christopher H;** physics, from U.S. Department of Energy, \$145,000, “Physics of Correlated Systems.”

**Haddock, John E and Weiss, William J;** civil engineering, from Indiana Department of Transportation, \$150,000, “Using Field Electrical Conductivity Measurements for Scheduling Chip Seal Spreading/Sweeping Operation-SPR 3801.”

**Hall, Mark C;** biochemistry, from Winifred B. Bilsland Endowment, \$9,601, “Eissler, Christie L.”

**Hamilton, Roy L;** Education Opportunities Program — Calumet Campus, from U.S. Department of Education, \$262,301, “Ronald E. McNair Post-Baccalaureate Achievement Program.”

**Han, Bumsoo;** mechanical engineering, from Purdue University, \$5,000, “Kauffman Foundation Continuation Grant ELA Awardee.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Handwerker, Carol A;** materials engineering, from Henkel Corporation, \$40,000, “Henkel Corporation - Gift Letter.”

**Harbin, Sherry L**; biomedical engineering, from Purdue Doctoral Program, \$20,905, “Buno, Kevin.”

**Hartman, Nathan W**; computer graphics technology, from General Motors Foundation, \$50,000, “Product Lifecycle Management (PLM) Center of Excellence.”

**Hassanein, Ahmed**; nuclear engineering, from U.S. Department of Energy, \$155,000, “NEUP Fellowship for Theodore Novakowski.”

**Hassanein, Ahmed; Harilal, Sivanandan and Fentiman, Audeen W**; nuclear engineering, engineering administration engineering experiment, from National Science Foundation, \$765,356, “Partnerships for International Research and Education (PIRE): Nuclear Energy Systems and Materials Under Extreme Conditions; Amendment 1 for Grant 106218.”

**Heeg, Marlene O**; pharmacy — administration, from Bayer Pharmaceutical, \$75,000, “PeerView Video InExchange - Best Practices with Established and Novel Targeted Therapies in Advanced Colorectal Cancer (CRC): A Multidisciplinary Discussion.”

**Heeg, Marlene O**; pharmacy — administration, from Daiichi Sankyo Inc, \$15,000, “Using Patient- and Tumor-Specific Characteristics to Optimize Personalized Treatment Selection in Hepatocellular Carcinoma.”

**Heeg, Marlene O**; pharmacy — administration, from Genentech Corporation, Inc., \$15,000, “The Promise of the Met Signaling Pathway in Cancer.”

**Heeg, Marlene O**; pharmacy — administration, from Bayer Pharmaceutical, \$50,000, “PeerView Video InExchange — Best Practices with Established and Novel Targeted Therapies in Advanced Colorectal Cancer (CRC): A Multidisciplinary Discussion.”

**Heeg, Marlene O**; pharmacy — administration, from Bayer Pharmaceutical, \$49,000, “PeerView Video InExchange — Best Practices with Established and Novel Targeted Therapies in Advanced Colorectal Cancer (CRC): A Multidisciplinary Discussion.”

**Heinz, Michael G**; speech, language and hearing sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$374,756, “Effects of Sensorineural Hearing Loss on Robust Speech Coding.”

**Henry, Madeleine M**; foreign language & literature, from Ross Graduate Fellowship-Assistantship, \$17,675, “Suzuki, Natsumi.”

**Henry, Madeleine M**; foreign language & literature, from Ross Graduate Fellowship-Assistantship, \$17,675, “Huaytan, Eduardo M.”

**Hertel, Thomas W**; agricultural economics, from Economic Research Service, \$95,000, “International Agricultural R&D Investment Needs for Global Futures.”

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

**Hertel, Thomas W; Fulton, Joan R and Alexander, Corinne E**; agricultural economics, from Economic Research Service, \$25,000, “Geospatial Open Source Hosting of Agriculture, Resource and Environmental Data.” (a Discovery Park award — Global Sustainability)

**Hertel, Thomas W**; agricultural economics, from Multi-Sponsored Industrials, \$50,000, “Global Trade Analysis Project (GTAP) Consortium.”

**Hill, John E**; educational studies, from National Rural Education Association, \$59,788, “Cooperative Agreement with National Rural Education Association (NREA) for 2013-2014.”

**Hirsch, Andrew S**; physics, from Ross Graduate Fellowship-Assistantship, \$18,030, “He, Liang.”

**Hook, Tomas O**; forestry & natural resources, from Electric Power Research Institute (EPRI), \$49,640, “4th Yr. Funding EP-P35005/C15903- Grant 204478.”

**Hosking, Antony L**; computer science, from National Science Foundation, \$12,000, “Splash 2013 Travel Support.”

**Howe, Katherine M**; botany & plant pathology, from Multi-Sponsored Industrials, \$50, “Katherine Howe Gift Fund.”

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

**Howe, Katherine M**; botany & plant pathology, from Multi-Sponsored Industrials, \$50, “Katherine Howe Gift Fund.”

**Howe, Katherine M**; botany & plant pathology, from U.S. Forest Service, \$25,000, “Midwest Invasive Plant Network Cooperative Cost Share with the U.S. Forest Service.”

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

**Howe, Katherine M**; botany & plant pathology, from Multi-Sponsored Industrials, \$50, “Katherine Howe Gift Fund.”

**Howe, Katherine M**; botany & plant pathology, from Multi-Sponsored Industrials, \$2,889, “Katherine Howe Gift Fund.”

**Howe, Katherine M**; botany & plant pathology, from Multi-Sponsored Industrials, \$2,000, “Katherine Howe Gift Fund.”

**Howell, Kathleen**; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$53,000, “Targeting, Guidance and Proximity Operations Near Small Bodies and Complex Multi-Body Regimes; Supplement 1 for Grant 106585.”

**Hutzel, William J**; mechanical engineering technology, from ASHRAE, Inc., \$50,000, “American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Innovative Research Grant (IRG).”

**Hutzel, William J; Dana, Michael N and Qu, Ming**; mechanical engineering technology, horticulture & landscape architecture, civil engineering, from Environmental Protection Agency, \$15,000, “Biowalls Impact on Indoor Air Quality and Energy.”

**Hwang, Inseok**; aeronautical & astronautical engineering, from National Science Foundation, \$230,000, “Collaborative Research: Synthesis of User Interfaces for Collaborative Systems in Uncertain Environments.”

**Ileleji, Klein**; agricultural & biological engineering, from Foreign Agricultural Service, \$96,006, “Nigeria Commodity Storage & Handling Training Sessions; Amendment 3.”

**Jafvert, Chad T**; civil engineering, from Ross Graduate Fellowship-Assistantship, \$18,495, “Trice, Laura.”

**Jafvert, Chad T**; civil engineering, from Purdue University, \$5,000, “Kauffman Foundation Continuation Grant ELA Awardee.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Jagannathan, Suresh and Vitek, Jan**; computer science, from Air Force Research Laboratory, \$124,998, “Verified Compilation of Concurrent Managed Languages.”

**Jagannathan, Suresh and Vitek, Jan**; computer science, from National Science Foundation, \$475,000, “Software and Hardware Foundations (SHF): Small: HAVOC: Verified Compilation of Concurrent Managed Languages.”



**Jenkins, Jere H and Schweitzer, James F;** nuclear engineering, radiological & environmental management, from Battelle Pacific Northwest Labs, \$57,901, “Voluntary Security Enhancements for Purdue University.”

**Jenkins, Michael A;** forestry & natural resources, from U.S. Forest Service, \$28,228, “Evaluation of Site Conditions and Management Techniques to Promote Oak Species Regeneration in Hardwood Forests.”

**Johnson, Carla J;** curriculum & instruction, from School Science and Mathematics Association, \$47,003, “School Science and Mathematics Association Journal.”

**Johnson, Carla J;** curriculum & instruction, from School Science and Mathematics Association, \$41,600, “School Science and Mathematics Association Journal.”

**Johnson, Mark C;** electrical & computer engineering, from Intel Corporation, \$21,000, “Intel Instructional 2013.”

**Johnson, William G;** botany & plant pathology, from Indiana Soybean Alliance, \$25,000, “Screening and Control of Glyphosate-Resistant Weeds in Soybean Production Systems.”

**Johnson, William G;** botany & plant pathology, from DuPont Crop Protection, \$9,000, “Weed Research.”

**Johnston, Cliff T;** agronomy, from Ag Spectrum Company, \$14,600, “Foliar Additives Research.”

**Kak, Avinash C;** electrical & computer engineering, from Elsevier Ltd, \$4,138, “Editorship of Our Journal, Computer Vision Graphics and Image Processing (CVGIP): Image Understand.”

**Kalwani, Manohar U;** management, from Purdue University F N Andrews Fellowship, \$10,157, “Lee, Kyung Yun.”

**Kalwani, Manohar U;** management, from Ross Graduate Fellowship-Assistantship, \$17,490, “Wang, Yahui.”

**Kalwani, Manohar U;** management, from Purdue University F N Andrews Fellowship, \$10,157, “Kuk, Arnold.”

**Kaplan, Ian and Blubaugh, Carmen K;** entomology, from The Ceres Trust, \$9,950, “Harnessing Farm Wildlife for Weed Management Measuring Suppression by Rodents and Insects.”

**Karava, Panagiota;** civil engineering, from Ross Graduate Fellowship-Assistantship, \$18,495, “Joe, Jaewan.”

**Karava, Panagiota;** civil engineering, from Ross Graduate Fellowship-Assistantship, \$18,495, “Parsa, Maryam.”

**Karava, Panagiota;** civil engineering, from American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), Inc., \$50,000, “American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), Dr. Karava New Investigator Award.”

**Keener, Kevin M;** food science, from J.R. Simplot Company, \$100,100, “Phase I – Experiments: Atmospheric Cold Plasma Treatment of Frozen Ready-to-Eat Vegetables In-Pack-age to Reduce Listeria Monocytogenes.”

**Keener, Kevin M;** food science, from Griffith Laboratories, \$10,000, “Multi-Sponsored Gift.”

**Keener, Kevin M;** food science, from Purdue University, \$5,000, “Kauffman Foundation Continuation Grant ELA Awardee.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Kihara, Daisuke;** biological sciences, from National Science Foundation, \$166,654, “III: Small: Rapid Screening of Interacting Ligands and Proteins.”

**King, Galen B;** mechanical engineering, from Hukam Mongia, PhD, \$16,500, “Gas Turbine Combustion & Intelligent Cnt.”

**Kissinger, Peter T;** chemistry, from Biovidria Inc, \$31,000, “Slip Flow Chromatography Subcontract.”

**Klimeck, Gerhard and Rahman, Rajib;** electrical & computer engineering, from University of New South Wales, \$60,000, “QCCM - Solid State Quantum Computer in Silicon - Australian Centre for Quantum Computer Technology (CQCT).” (a Discovery Park award — Network for Computational Nanotechnology)

**Kramer, Rebecca K;** mechanical engineering, from Purdue Doctoral Program, \$20,905, “Case, Jennifer.”

**Kreger, Michael E;** civil engineering, from Chappelle, \$19,425, “Zak, Kyle.”

**Kreger, Michael E;** civil engineering, from Chappelle, \$19,425, “Clauss, Adam J.”

**Kreger, Michael E;** civil engineering, from David M. Knox Endowment, \$19,425, “Lucero, Catherine.”

**Kreger, Michael E;** civil engineering, from Chappelle, \$19,425, “Zhu, Qiaqia.”

**Kreger, Michael E;** civil engineering, from David M. Knox Endowment, \$19,425, “Whitehead, Julie.”

**Kreger, Michael E;** civil engineering, from Purdue University F N Andrews Fellowship, \$21,581, “Laughery, Lucan A.”

**Kreger, Michael E;** civil engineering, from David M. Knox Endowment, \$19,425, “Mekker, Miichelle.”

**Krogmeier, James V;** electrical & computer engineering, from Yelp Inc, \$10,000, “Voluntary Support to VIP Program.”

**Kuang, Shihuan;** animal sciences, from University of Louisville, \$19,506, “TAK1/TRAF6 Signaling in Skeletal Muscle; Amendment 2, Grant 105504.”

**Kuhn, Richard J;** biological sciences, from PHS-NIH National Institute of General Medical Science, \$292,019, “Molecular Basis of Alphavirus Assembly.”

**Kulkarni, Milind;** electrical & computer engineering, from National Science Foundation, \$83,531, “Faculty Early Career Development (CAREER): Toward a Locality-Enhancing Transformation Framework for Irregular Programs; Amendment 1 for Grant 105768.”

**Lang, Rafael F;** physics, from Columbia University, \$55,795, “The XENON1T Dark Matter Project: a Project Proposal from the US Institutions of the XENON Collaboration; Amendment 2, Grant 105869.”

**Lanman, Jason K;** biological sciences, from PHS-NIH National Center for Research Resource, \$13,757, “In Vivo Characterization of RNA Virus Assembly Lines with Electron Microscopic (EM) Tomography.”

**Latin, Richard X;** botany & plant pathology, from Syngenta Crop Protection Inc., \$23,000, “Turfgrass Disease Research.”

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

**Lee, Chun-Sing G; Pizlo, Zygmunt and Rietdyk, Shirley;** electrical & computer engineering, psychological science, health & kinesiology, from Drexel University, \$103,737, “Development of a Common Platform for Unifying Humanoids Research; Amendment 1.”

**Lee, Chun-Sing G;** electrical & computer engineering, from Drexel University, \$59,160, “DRC-Hubo: Leveraging a 7-Hubo Infrastructure and Unified Algorithmic Framework for the DARPA Robotics Challenge; Amendment 2; Grant 106256.”

**Lee, Linda S;** agronomy, from George Washington Carver Fellowship, \$504, “Freeland, Patrick A.”

**Li, Kai Ming;** engineering administration engineering experiment, from Federal Aviation Administration, \$20,000, “Task 2.19: the Convective Amplification Effects of Fast Moving Noise Sources.” (a Discovery Park award — Discovery Park Administration.)

**Li, Ninghui; Proctor, Robert W and Si, Luo;** computer science, psychological science, from National Science Foundation, \$838,219, “TWC SBE: Medium: Collaborative: User-Centric Risk Communication and Control on Mobile Devices.”

**Lill, Markus A;** medicinal chemistry & molecular pharmacology, from PHS-NIH National Institute of General Medical Science, \$193,970, “Novel Computational Methods for Modeling Cytochrome P450 Mediated Drug Metabolism.”

**Liu, Judy;** civil engineering, from American Institute of Steel Construction, Inc., \$29,309, “Framing Strategies for Robustness in Steel Buildings.”

**Liu, Julie C;** chemical engineering, from Winifred B. Bilsland Endowment, \$17,325, “Su, Sheng-Chuan.”

**Liu, Lu;** industrial engineering, from Air Force Office of Scientific Research, \$75,668, “Decentralized Network Interdiction Games — Modification 1 for Grant 16208.”

**Liu, Sandra S;** consumer science & retail, from Ross Graduate Fellowship-Assistantship, \$17,556, “Hsiang, Chien-Yi.”

**Lowenberg-Deboer, James M and Abbott, Philip C;** international programs in agriculture, agricultural economics, from Stinger Ghaffarian Technologies, \$10,352, “Task Order 20 Modification 6 to Grant 106298 Hosted Payloads.”

**Lowenberg-Deboer, James M and Peters, Jerry L;** international programs in agriculture, youth development & agricultural education, from Winrock International, \$416,603, “Guinea Agriculture Education and Market Improvement Program.”

**Lucht, Robert P and Gore, Jay P;** mechanical engineering, from U.S. Department of Energy, \$500,000, “Exhaust Gas Recirculation (EGR) Based CO<sub>2</sub> Recycling in Advanced Gas Turbine Combustors with High-Hydrogen-Content (HHC) Fuels.”

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

**Lumkes, John H;** agricultural & biological engineering, from Purdue University, \$15,000, “Kauffman Foundation Continuation Grant: ELA Faculty.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Lundstrom, Mark S;** electrical & computer engineering, from Multi-Sponsored Industrials, \$75,000, “Network for Computational Nanotechnology (NCN) Membership.”

**Lundstrom, Mark S; Alam, Muhammad A and Roy, Kaushik;** college of engineering administration engineering experiment, electrical & computer engineering, from National Science Foundation, \$75,300, “Network for Computational Nanotechnology — Needs Node; Amendment 2 for Grant 106223.” (a Discovery Park award — Network for Computational Nanotechnology)

**Lyanda-Geller, Yuli;** physics, from U.S. Department of Energy, \$115,000, “Charge Carrier Holes Correlations and Non-Abelian Physics in Nanostructures, Quantum Hall Effect and Hybrid Superconduct/Semiconductor Structures.”

**Lynall, Matthew D;** management, from Purdue University, \$9,370, “Krannerts Experiential Learning Initiative (ELI).”

**MacDermid Wadsworth, Shelley and Beaulieu, Lionel J;** child development & family studies, agricultural economics, from Economic Research Service, \$9,999, “A Framework for Assessing the Military Friendliness of Communities: An Exploratory Study.”

**Madhavan, Krishna; Vorvoreanu, Mihaela and Elmqvist, Lars Niklas E;** engineering education, computer graphics technology, electrical & computer engineering, from National Science Foundation, \$235,000, “Collaborative Research: Deep Insights Anytime, Anywhere (DIA2) — Central Resource for Characterizing the TUES Portfolio through Interactive Knowledge Mining and Visualizations.”

**Magana Deleon, Alejandra J and Garcia, R Edwin;** computer & information technology, materials engineering, from National Science Foundation, \$313,889, “Computational Worked Examples for Scaffolding Student Representational Fluency.”

**Martinez, Kimber J;** youth development & agricultural education, from Indiana State Department of Health, \$5,700, “MESA: Multicultural Efforts to End Sexual Assault.”

**Martini, Ashlie M and Youngblood, Jeffrey P;** mechanical engineering, materials engineering, from Air Force Office of Scientific Research, \$150,000, “Thermal and Mechanical Properties of Nanocellulosic Materials: Integrated Models and Experiments; Modification 2 for Grant 105420.”

**Mason, Linda J;** entomology, from Higher Education Commission Pakistan, \$3,500, “Bench Fees-Mr. Sohail Akhtar.”

**Matson, Eric T and Smith, Anthony H;** computer & information technology, from National IT Industry Promo Agency, \$230,000, “NIPA Capstone Project 2013 Fall.”

**Mattes, Richard D; Campbell, Wayne W; Dhillon, Jaapna and Sayer, Richard D;** foods & nutrition, from Almond Board of California, \$100,000, “Effects of Almond Consumption on Neural Reward Systems.”

**Mauer, Lisa J; Applegate, Bruce M; Bhunia, Arun K; Irudayaraj, Joseph M; Ladisch, Michael R; Robinson, Joseph P; Deering, Amanda J; Oliver, Haley F and Pruitt, Robert E;** agriculture — administration, food science, agricultural & biological engineering, basic medical science, botany & plant pathology, from Agricultural Research Service, \$1,232,392, “Improved Detection Techniques for Foodborne Pathogens.”

**McCann, Maureen C;** biological sciences, from American Society of Plant Biologists, \$700, “American Society / Plant Biologist.” (a Discovery Park award — Energy Center)

**McDaniel, Rebecca S and Shah, Ayesha;** civil engineering, from Indiana Department of Transportation, \$210,000, “Analysis of the MSCR Asphalt Binder Test and Specifications for Use in Indiana.”

**Meilan, Richard;** forestry & natural resources, from Ross Graduate Fellowship-Assistantship, \$17,556, “Lorch, Adam.”

**Mendrysa, Susan M;** basic medical science, from Winifred B. Bilsland Endowment, \$8,094, “Ghassemifar, Sara.”

**Meyer, Scott E and Anderson, William E;** mechanical engineering, aeronautical & astronautical engineering, from Space Exploration Technologies Corp, \$77,885, “Continuation of SpaceX Single Element Testing through December 2013.”

**Michler, Charles H;** forestry & natural resources, from National Science Foundation, \$8,000, “Effects of Environmental Gradients and Silvicultural Treatments on Long-Term Growth and Productivity of Acacia Koa.”



**Michler, Charles H;** forestry & natural resources, from U.S. Forest Service, \$121,623, “Hardwood Tree Improvement and Regeneration Center.”

**Miller, Margaret A and Hogenesch, Harm;** animal disease diagnostic laboratory, school of veterinary medicine - administration, from National Institutes of Health, \$28,145, “NIH Institutes of Health Training Grant for Jessica Beck.”

**Mitchell, Cary A;** horticulture & landscape architecture, from Chappelle, \$19,425, “Dzakovich, Michael P.”

**Mittal, Suresh K;** comparative pathobiology, from Egyptian Cultural and Educational Bureau, \$80,000, “Influenza Virus Research Fellowship for Mr. Ekarmy El Sayed Tawfeek Ahmed.”

**Mittal, Suresh K;** comparative pathobiology, from U.S. Department of Homeland Security, \$186,001, “Bovine Adenovirus Vector-Based Vaccine for Foot and Mouth Disease; Modification 1.”

**Mohammed, Sulma I;** comparative pathobiology, from Purdue University, \$5,000, “Kauffman Foundation Continuation Grant ELA Awardee.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Mohler, James L;** college of technology - administration, from Ross Graduate Fellowship-Assistantship, \$17,556, “Gao, Yuan.”

**Mohler, James L;** college of technology - administration, from Ross Graduate Fellowship-Assistantship, \$17,490, “Fosu, Richelle.”

**Mosakowski, Elaine M; Allie, Brenda S and Evens, Melissa A;** management, from Accenture LLP, \$15,000, “U.S. Accenture Corporate Citizenship.”

**Murawski, Matthew M;** pharmacy practice, from Purdue University, \$5,000, “Kauffman Foundation Continuation Grant ELA Awardee.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Murray, Michael D;** pharmacy practice, from Indiana University, \$9,783, “Polypharmacy as a Barrier to Self-Management.”

**Nagy, Zoltan;** chemical engineering, from Eli Lilly and Company, \$20,000, “Control of Size Distribution of Pharmaceutical Crystals Using Controlled Growth and Dissolution Cycles in Batch and Continuous Crystallization Systems.”

**Nagy, Zoltan;** chemical engineering, from Eli Lilly and Company, \$7,000, “Development of a Continuous Plug Flow Crystallization Model in gCrystal.”

**Nauman, Eric A and Magana Deleon, Alejandra J;** mechanical engineering, computer & information technology, from Mathworks, \$40,000, “Mathworks Proposals for Innovative Curricula: Integrating Computation into Mechanical Engineering Core.”

**Neumeister, Norbert; Bortoletto, Daniela; Hacker, Thomas J and Shipsey, Ian P;** physics, computer & information technology, from Princeton University, \$645,584, “U.S. Compact Muon Solenoid (CMS) Operations at LHC; Modification 4 for Grant 105769.”

**Newton, Kathryn A;** industrial technology, from University of Industrial Distribution, \$10,000, “Coordination of University of Industrial Distribution Program.”

**Nielsen, S S;** food science, from Multi-Sponsored Industrials, \$50, “Multi-Sponsored Gift Funds.”

**Nielsen, S S;** food science, from Multi-Sponsored Industrials, \$375, “Multi-Sponsored Gift Funds.”

**Nielsen, S S;** food science, from Multi-Sponsored Industrials, \$75, “Multi-Sponsored Gift Funds.”

**Niyogi, Devdutta S;** agronomy, from National Aeronautics and Space Administration, \$30,000, “Impacts of Land Surface Heterogeneity and Urban Aerosols on Thunderstorms.”

**Oakes, William C;** engineering education, from Motorola Foundation, \$75,000, “Motorola Solutions Fndn.”

**Obergfell, Ann M;** health & human services - fort wayne campus, from Healthvisions Midwest, Inc, \$8,842, “Indiana University-Purdue University Fort Wayne (IPFW) K-12 Programming.”

**Ohland, Matthew W and Main, Joyce B;** engineering education, from National Science Foundation, \$304,757, “Access to Cooperative Education Programs and the Academic and Employment Returns by Race, Gender, and Discipline.”

**Paladino, Frank V;** biology — Fort Wayne campus, from Earthwatch, \$130,000, “Costa Rican Sea Turtles 2013-2014.”

**Panchal, Jitesh H; Atallah, Mikhail J and Ramani, Karthik;** mechanical engineering, computer science, from National Science Foundation, \$1,000,000, “CPS: Synergy: Foundations of Cyber-Physical Infrastructure for Creative Design and Making of Cyber-Physical Products.”

**Panitch, Alyssa; Capobianco, Brenda M; Kelley, Todd R; Lehman, James D and Weaver, Gabriela C;** biomedical engineering, curriculum & instruction, industrial technology, education - administration, chemistry, from National Science Foundation, \$1,392,332, “Science Learning through Engineering Design (SLED) Targeted Partnership; Amendment 2 for Grant 104953.” (a Discovery Park award — Discovery Learning Center)

**Panitch, Alyssa;** biomedical engineering, from George Washington Carver Fellowship, \$21,507, “Vazquez-Portalatin, Nelda M.”

**Panitch, Alyssa;** biomedical engineering, from George Washington Carver Fellowship, \$504, “Vasquez-Portalatin, Nelda M.”

**Patton, Aaron J;** agronomy, from University of Florida, \$4,000, “UFL Zoysiagrass Germplasm Evaluation.”

**Pekarek, Steven D;** electrical & computer engineering, from P. C. Krause and Associates, Inc., \$75,000, “A Noninvasive Sensor/Control Suite for Health Monitoring and Extended Life of Aircraft Generation Systems.”

**Pekarek, Steven D and Sudhoff, Scott D;** electrical & computer engineering, from National Aeronautics and Space Administration, \$100,000, “NRI-Small: Actuators for Safe, Strong, and Efficient Humanoid Robots; Supplement 1 for Grant 106088.”

**Pekny, Joseph F;** chemical engineering, from Purdue University, \$10,000, “Kauffman Foundation Continuation Grant: Continuing Lecture.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Pekny, Joseph F;** chemical engineering, from Purdue University, \$10,000, “Kauffman Foundation Continuation Grant: Speaker.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Peroulis, Dimitrios;** electrical & computer engineering, from Indiana Microelectronics LLC, \$247,500, “High-Q X-Band Tunable Bandstop Radio Frequency (RF) Microelectromechanical System (MEMS) Filters.” (a Discovery Park award — Birck Nanotechnology Center)



**Peroulis, Dimitrios**; electrical & computer engineering, from Flowserve Corp, \$7,000, “Flowserve.” (a Discovery Park award — Birck Nanotechnology Center)

**Peroulis, Dimitrios**; electrical & computer engineering, from IMA Life, \$8,300, “IMA Life” (a Discovery Park award — Birck Nanotechnology Center)

**Pizlo, Zygmunt**; psychological science, from Purdue University, \$20,625, “Office of the Vice President for Research (OVPR) Bridge Funding, Zygmunt Pizlo.”

**Popescu, Voicu S and Adamo-Villani, Nicoletta**; computer science, computer graphics technology, from University of Wisconsin-Madison, \$161,134, “Connecting Mathematical Ideas through Animated Multimodal Instruction.”

**Prabhakar, Sunil K**; computer science, from Multi-Sponsored Industrials, \$250,000, “QCRI Graduate Fellowships in Computer Science — Matching Funds.”

**Prabhakar, Sunil K**; computer science, from Qatar Foundation, \$250,000, “QCRI Graduate Fellowships in Computer Science.”

**Prokopy, Linda S**; forestry & natural resources, from National Oceanographic & Atmospheric Administration, \$142,092, “Evaluating the Impact of Extreme Drought on Farm Advisors Perception of Climate Risks in the U.S. Corn Belt.”

**Purzer, Senay; Fosmire, Michael J and Van Epps, Amy S**; engineering education, library administration, from National Science Foundation, \$200,000, “TUES: Information Literacy Skill Development & Assessment in Engineering (ILSDAE).”

**Pushkar, Yulia N**; physics, from U.S. Department of Energy, \$180,000, “SISGR: Understanding Electronic and Atomic Requirements in Catalytic Water Oxidation.”

**Radcliffe, David F**; engineering education, from Ross Graduate Fellowship-Assistantship, \$18,425, “Wigley, Emily.”

**Radcliffe, John S**; animal sciences, from Ross Graduate Fellowship-Assistantship, \$17,556, “Vonderohe, Caitlin E.”

**Raghunathan, Anand**; electrical & computer engineering, from Winifred B. Bilsland Endowment, \$19,825, “Venkatesan, Rangharajan.”

**Raghunathan, Vijay**; electrical & computer engineering, from National Science Foundation, \$82,378, “Faculty Early Career Development (CAREER): a Hardware-Software Approach to Enabling In-Situ Visibility and Control in Wireless Embedded Systems; Amendment 3 for Grant 104353.”

**Raghunathan, Vijay**; electrical & computer engineering, from National Science Foundation, \$85,433, “Faculty Early Career Development (CAREER): a Hardware-Software Approach to Enabling In-Situ Visibility and Control in Wireless Embedded Systems; Amendment 4 for Grant 104353.”

**Raman, Arvind**; engineering administration engineering experiment, from Colciencias, \$1,491,530, “Colciencias-Fulbright Fellowship.”

**Ramkrishna, Doraiswami**; chemical engineering, from University of Minnesota, \$6,118, “Modeling Pheromone Induced Drug Resistance Transfer in *Enterococcus Faecalis*; Amendment 7, Grant 102952.”

**Ratliff, Timothy L**; comparative pathobiology, from Indiana Elks Charities Inc., \$130,000, “Indiana Elks Charities Inc.”

**Ready, Donald F**; biological sciences, from PHS-NIH National Eye Institute, \$292,600, “Cytoskeletal Mechanisms of Retinal Development.”

**Reklaitis, Gintaras V; Taylor, Lynne S; Litster, James D; Harris, Michael T and Wassgren, Carl R**; chemical engineering, industrial & physical pharmacy, engineering administration engineering experiment, mechanical engineering, from Rutgers State University, \$1,008,310, “Engineering Research Center on Structural Organic Composites; Modification 8, Grant 104728.”

**Richard, Kayla J**; field extension educators, from Crawford County Council for a Drug-Free Community, \$1,096, “Project LEAD.”

**Richmond, Douglas S**; entomology, from Amvac Chemical Corporation, \$7,000, “Krupke-Entomology-Research.”

**Rickus, Jenna L**; agricultural & biological engineering, from National Aeronautics and Space Administration, \$168,370, “Sporesat Mission: Investigating Biophysical Mechanisms of Plant Gravisensing Using a Lab-on-a-Chip Approach.”

**Rocheford, Torbert R**; agronomy, from Michigan State University, \$335,553, “Elucidating the Genetic Architecture of Provitamin A and Vitamin E Biosynthesis in Seed; Amendment 4, Grant 104754.”

**Rocheford, Torbert R**; agronomy, from HarvestPlus, \$100,000, “Genetic Research to Enhance Breeding for Higher Levels of Pro-Vitamin A in Maize Grain.”

**Rochet, Jean-Christophe**; medicinal chemistry & molecular pharmacology, from Michael J. Fox Foundation, \$5,500, “Determination of the 3-D Structure of Biologically Active Small Molecules in Complex with DJ-1 Using X-Ray Crystallography.”

**Rossmann, Michael G and Kuhn, Richard J**; biological sciences, from Washington University, \$281,825, “Antibody-Based Protection Against Dengue Virus.”

**Rossmann, Michael G**; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$16,000, “Structure and Function of Icosahedral Viruses — Grant 105228.”

**Roy, Kaushik**; electrical & computer engineering, from Qualcomm Incorporated, \$50,000, “Qualcomm Voluntary Support.”

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

**Sadeghi, Farshid**; mechanical engineering, from Tecumseh Compressor Group, \$1,500, “Tribology Lab Research.”

**Sadeghi, Farshid**; mechanical engineering, from Tecumseh Compressor Group, \$160,000, “Tribology Lab Research.”

**Sadeghi, Farshid**; mechanical engineering, from Tecumseh Compressor Group, \$2,500, “Tribology Lab Research.”

**Sadof, Clifford S**; entomology, from Purdue Extension Marion County, \$3,000, “Ornamental Insect Research.”

**Samarapungavan, Ala**; educational studies, from George Washington Carver Fellowship, \$504, “Harris, Crystal R.”

**Sands, Timothy D; Weaver, Gabriela C; Ertmer, Peggy A; McCann, Maureen C and Riggs, Eric M**; president, chemistry, curriculum & instruction, biological sciences, earth & atmospheric sciences, from National Science Foundation, \$250,000, “A Sustainable Energy Concepts Professional Development Model for Rural Schools & its Extension to a Systemic Approach for Integrating Science, Technology, Engineering & Mathematics (STEM) Research 7 Education; Amendment 1 for Grant 104875.” (a Discovery Park award — Discovery Learning Center)

**Sangid, Michael D;** aeronautical & astronautical engineering, from National Science Foundation, \$251,780, "Grant Opportunities for Academic Liaison with Industry (GOALI): Collaborative Research: Design and Optimization of Powder Processed Ni-Base Superalloys via Grain Boundary Engineering."

**Santagata, Maria Caterina;** civil engineering, from Ross Graduate Fellowship-Assistantship, \$18,495, "Getchell, Amy."

**Saunders, Michael R;** forestry & natural resources, from Winifred B. Bilsland Endowment, \$9,595, "Morrissey, Robert C."

**Scharf, Michael E;** entomology, from Multi-Sponsored Industrials, \$10,000, "Multi-Sponsor."

**Schmidt, Edie K; Newton, Kathryn A and Laux, Chad;** technology — administration, industrial technology, from National Science Foundation, \$144,065, "Collaborative Project: Technology-Based Logistics: Leveraging Indianas Role as the Crossroads of America."

**Schulze, Darrell G;** agronomy, from University of North Carolina at Chapel Hill, \$32,261, "Soil Degradation and Household Well-Being in Rural Uganda; Amendment 1, Grant 106343."

**Shepson, Paul B;** earth & atmospheric sciences, from National Science Foundation, \$210,998, "Collaborative Research: the O-Buoy Network of Chemical Sensors in the Arctic Ocean; Amendment 3 for Grant 104883."

**Siegmund, Thomas H;** mechanical engineering, from Knauf Insulation, \$108,062, "Commercial & Industrial Fiber Glass Insulation Test Method Development."

**Simpson, Garth J;** chemistry, from Spectral Energies, LLC, \$25,000, "Timing Module for Synchronous Digitization in Nonlinear Optical Imaging."

**Singh, Manpreet;** food science, from Auburn University, \$42,720, "Penetration of Salmonella in Whole Eggs."

**Sloan, Mary Anne;** technical assistance program, from Multi-Sponsored Industrials, \$4,560, "Multi-Sponsor Account I-HITEC."

**Sloan, Mary Anne;** technical assistance program, from Multi-Sponsored Industrials, \$1,520, "Multi-Sponsor Account I-HITEC."

**Sloan, Mary Anne;** technical assistance program, from Multi-Sponsored Industrials, \$1,520, "Multi-Sponsor Account I-HITEC."

**Sloan, Mary Anne;** technical assistance program, from Multi-Sponsored Industrials, \$1,520, "Multi-Sponsor Account I-HITEC."

**Sloan, Mary Anne;** technical assistance program, from Multi-Sponsored Industrials, \$1,520, "Multi-Sponsor Account I-HITEC."

**Sloan, Mary Anne;** technical assistance program, from Multi-Sponsored Industrials, \$3,040, "Multi-Sponsor Account I-HITEC."

**Smith, Mjt;** graduate school administration, from Purdue University Special Initiative Program, \$8,026, "Browne, Mary Maxine."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Muro Villanueva, Fabiola."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Xu, Jun."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Walke, Kathryn."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Wade, Cameron."

**Smith, Mjt;** graduate school administration, from Purdue University Special Initiative Program, \$8,377, "Sharma, Sudhendu Raj."

**Smith, Mjt;** graduate school administration, from Purdue University Special Initiative Program, \$8,628, "Ge, Zhenhao."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Suarez, Frank."

**Smith, Mjt;** graduate school administration, from Purdue University Special Initiative Program, \$20,999, "Gretter, Sarah."

**Smith, Mjt;** graduate school administration, from Purdue University Special Initiative Program, \$18,978, "Coker, Schane."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Montenegro, Paola."

**Smith, Mjt;** graduate school administration, from Purdue University Special Initiative Program, \$3,939, "Gibboney, Ryan K."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "McArthur, Daniel."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Max, Joann."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Ma, Songyao."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Fang, Mengshu."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Eckhardt, Elizabeth."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Backman, Patrick."

**Smith, Mjt;** graduate school administration, from Lynn Interdisciplinary Graduate Fellowship, \$17,318, "Soverns, Christopher."

**Smith, Richard S;** food science, from Alcoa Inc, \$1,500, "Food Science 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 Alcoa Inc, \$2,500, "Food Science Research."

**Smith, Richard S;** food science, from Hinsdale Farms Ltd, \$7,000, "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, \$2,000, "Sensory Evaluation Research."

**Smith, Richard S;** food science, from Hinsdale Farms Ltd, \$3,000, "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, \$1,200, "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, \$12,000, “Sensory Evaluation Research.”

**Smith, Richard S;** food science, from Alcoa Inc, \$1,500, “Food Science Research.”

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

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

**Snyder, Margie E; Hudmon, Karen S and Murray, Michael D;** pharmacy practice, from PHS-Agency for Healthcare Res & Quality, \$132,224, “Optimizing Medication Therapy Management for Chronically Ill Medicare Part D Beneficiaries.”

**Spafford, Eugene H; Raskin, Victor and Dark, Melissa J;** Center for Education and Research in Information Assurance and Security (CERIAS), English, from National Science Foundation, \$666,737, “Preparing Cyber Security Leaders-Grant 105127 Inc.”

**Spafford, Eugene H; Dark, Melissa J and Marshall, Brandeis H;** computer science, computer & information technology, from National Science Foundation, \$340,997, “Preparing Cyber Security Leaders- Supplement.”

**Stanciu, Lia A; Garcia, R Edwin and Magana Deleon, Alejandra J;** materials engineering, computer & information technology, from National Science Foundation, \$175,000, “Li-Ion Battery Ceramics: Structural and Microstructural Evolution Mechanisms of Processing Under an Electric Field.”

**Stefanov, Plamen D;** mathematics, from National Science Foundation, \$118,599, “Inverse Problems for Wave Phenomena.”

**Stephens, Matthew P;** industrial technology, from Thomas and Linda Hjertquist, \$750, “M Stephens Research Prof. Development.”

**Strachan, Alejandro H;** materials engineering, from University of Illinois at Champaign-Urbana, \$125,786, “Shock Wave Energy Dissipation (SWED) by Mechanochemically-Active Nanoporous Materials; Amendment 2, Grant 106049.” (a Discovery Park award — Birck Nanotechnology Center)

**Subbarayan-Shastri, Ganesh;** mechanical engineering, from Binghamton University, \$65,000, “Amendment No. 3 to Grant 205422 Wirebond Process Optimization for Sub-32 nm Node: Designs to Enable Bonding Over Active Circuits in ULK Dies.”

**Subbarayan-Shastri, Ganesh;** mechanical engineering, from Washington State University, \$50,000, “Modification No. 1 to Grant 206212 Reliability of Copper Pillar/Via Microbumps Sub-Contract No. 118633 G003099.”

**Sun, Dengfeng;** aeronautical & astronautical engineering, from The Innovation Laboratory, Inc, \$16,000, “Facet as a Collaborative, Open Source Unmanned Aircraft Systems (UAS) Research Platform.”

**Sutherland, John W;** environmental & ecological engineering, from Michigan Technical University, \$18,343, “OISE-PIRE: Sustainability, Ecosystem Services, and Bioenergy Development Across the Americas; Amendment 1, Grant 106310.”

**Swihart, Robert K;** forestry & natural resources, from University of Illinois at Champaign-Urbana, \$175,715, “Cooperative Agreement with EPA Great Lakes National Program Office; Amendment 3, Grant 105629.”

**Szpankowski, Wojciech;** computer science, from Institute of Electrical Electronics Engineering, \$20,000, “Vol. Sup./Institute of Electrical and Electronics Engineers (IEEE) Conference.”

**Szymanski, Daniel B and Umulis, David M;** agronomy, agricultural & biological engineering, from National Science Foundation, \$51,427, “Collaborative Research: Novel Micro-mechanical and Computational Approaches to Discover the Mechanisms of Symmetry; Amendment 1 for Grant 106155.”

**Talavage, Thomas M;** electrical & computer engineering, from Purdue Doctoral Program, \$20,905, “Otero, Diana.”

**Talavage, Thomas M;** electrical & computer engineering, from George Washington Carver Fellowship, \$21,507, “Poole, Victoria.”

**Talavage, Thomas M;** electrical & computer engineering, from George Washington Carver Fellowship, \$504, “Poole, Victoria.”

**Talbert, Brian A;** youth development & agricultural education, from National Institute of Food & Agriculture, \$144,805, “Engaging Under-represented Populations in the Food and Agricultural Sciences through Urban Agriculture.”

**Tao, Weiguo A; Geahlen, Robert L; McLuckey, Scott A and Vitek, Olga;** biochemistry, pharmacy — administration, chemistry, statistics, from PHS-NIH National Institute of General Medical Science, \$286,263, “New Proteomic Technologies for the Analysis of Tyrosine Kinase Signaling Pathways.” (a Discovery Park award — Oncological Sciences Center)

**Tarko, Andrew P; Bullock, Darcy M and Romero, Mario A;** civil engineering, from Indiana Department of Transportation, \$235,000, “Evaluation of Alternative Intersections and Interchanges.”

**Tarko, Andrew P and Romero, Mario A;** civil engineering, from Indiana Department of Transportation, \$399,695, “Safety Data Acquisition and Management (Data Portal and TScan).”

**Teegarden, Dorothy;** College of Health and Human Sciences, from Winifred B. Bilsland Endowment, \$19,425, “Zheng, Wei.”

**Thompson, David H;** chemistry, from Pandion Laboratories LLC, \$5,000, “Pandion Laboratories.”

**Thompson, David H;** chemistry, from Ara Parseghian Medical Research Foundation, \$39,897, “Cholesterol Transport by NPC Proteins and Novel Cyclodextrins.”

**Tobias, Justin L;** economics, from Purdue Doctoral Program, \$8,319, “Buhrmann, Jacklyn.”

**Tobias, Justin L;** economics, from Ross Graduate Fellowship-Assistantship, \$17,490, “Kennedy, Kendall.”

**Tobias, Justin L;** economics, from Ross Graduate Fellowship-Assistantship, \$17,490, “Liu, Xueying.”

**Tobias, Justin L;** economics, from Purdue Doctoral Program, \$8,319, “Meisner, Andrew.”

**Tomar, Vikas;** aeronautical & astronautical engineering, from U.S. Department of Energy, \$300,000, “TA: B: Predicting Microstructure-Creep Resistance Correlation in High Temperature Alloys Over Multiple Time Scales.”

**Tomar, Vikas;** aeronautical & astronautical engineering, from Purdue University, \$5,000, “Kauffman Foundation Continuation Grant ELA Awardee.” (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Trice, Rodney W and Strachan, Alejandro H;** materials engineering, from Air Force Office of Scientific Research, \$122,446, “Design of High Emissivity Rare-Earth Oxides for Hypersonic Performance Informed by Atomistic Simulations; Modification 2 for Grant 105342.”

**Tsai, Su-Jung;** health sciences, from International Carbon Black Association, \$239,896, “Particle Characterization Study of Carbon Black Manufacturing Work Environments.”



**Tsai, Su-Jung**; health sciences, from Aspen Aerogels Inc, \$5,000, "A Proposal of Product Tests Regarding Nanoparticle Exposure and Characterization."

**Tucker, Mark A**; youth development & agricultural education, from Ohio State University, \$8,000, "Development and Evaluation of Effective Educational Programs for Organic Weed Management."

**Turco, Ronald F**; agronomy, from Natural Resources Conservation Services, \$165,353, "Soil Quality: Using Cover Crops to Improve Soil Health and Moisture Retention."

**Turco, Ronald F**; agronomy, from Lynn Interdisciplinary Graduate Fellowship, \$18,696, "Mokhtarian, Ghazalen."

**Turek, John J**; basic medical science, from Purdue University, \$15,000, "Kauffman Foundation Continuation Grant: ELA Faculty." (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Tyner, Wallace E**; agricultural economics, from Monsanto Company, \$100,000, "Case Study Assessment of Environmental and Economic Opportunities for Corn Replacement Feed in Dairy Markets."

**Umulis, David M and Rundell, Ann E**; agricultural & biological engineering, biomedical engineering, from PHS-NIH National Institute of Child Health and Human Development, \$309,168, "Systems Analysis of BMP Regulation in Developing Zebrafish Embryos."

**Varma, Amit H and Kreger, Michael E**; civil engineering, from Westinghouse Electric Corporation, \$390,000, "Shear Strength of RC Structures with T-Headed Shear Bars in Safety-Related Nuclear Facilities."

**Varma, Amit H**; civil engineering, from Purdue Doctoral Program, \$20,905, "Chicchi, Rachel."

**Varma, Arvind**; chemical engineering, from Ross Graduate Fellowship-Assistantship, \$18,495, "Sargent, Jessica L."

**Varma, Arvind**; chemical engineering, from Ross Graduate Fellowship-Assistantship, \$18,495, "Cordon, Michael J."

**Varma, Arvind**; chemical engineering, from Purdue University F N Andrews Fellowship, \$21,507, "Kubal, Joseph J."

**Voyles, Megan N**; field extension educators, from Scott Community Foundation, \$3,000, "Project LEAD."

**Vuolo, Michael C and Kelly, Brian C**; sociology, from PHS-NIH National Institute on Drug Abuse, \$71,100, "Tobacco Control Policies and Individual-Level Trajectories of Youth Cigarette Use."

**Weatherman, Kara D**; pharmacy practice, from Indiana University School of Medicine, \$2,500, "Teaching Nuclear Medicine Technology Course at IU."

**Weaver, Connie M**; foods & nutrition, from Purdue Doctoral Program, \$26,025, "Wright, Breanne N."

**Weaver, Connie M**; foods & nutrition, from Ross Graduate Fellowship-Assistantship, \$17,556, "Shin, Sunhye."

**Weaver, Connie M**; foods & nutrition, from Lynn Interdisciplinary Graduate Fellowship, \$17,556, "Liu, Kilia Y."

**Weaver, Connie M**; foods & nutrition, from Lynn Interdisciplinary Graduate Fellowship, \$17,556, "Gordon, Susannah L."

**Weaver, Connie M**; foods & nutrition, from Purdue Doctoral Program, \$19,499, "Oshiro, Jordan M."

**Weaver, Connie M**; foods & nutrition, from Lynn Interdisciplinary Graduate Fellowship, \$17,556, "Kostaras, Alexandra."

**Weaver, Connie M; McCabe, George P and Newcomer, Sean C**; foods & nutrition, statistics, health & kinesiology, from Dairy Research Institute, \$23,686, "Does High Calcium Exacerbate Atherosclerosis?"

**Weaver, Connie M**; foods & nutrition, from Ross Graduate Fellowship-Assistantship, \$17,556, "Carreiro, Alicia L."

**Wei, Alexander**; chemistry, from Purdue University, \$58,070, "Office of the Vice President for Research (OVPR) Bridge Funding: Nucleation & Growth of Anisotropic Magnetic Nanostructures."

**Weiner, Andrew M**; electrical & computer engineering, from Optical Society of America, \$1,250, "The Optical Society - Voluntary Support."

**Weiner, Andrew M; Qi, Minghao and Nari-manov, Evgueni E**; electrical & computer engineering, from Air Force Office of Scientific Research, \$0, "Microresonator-Based Optical Frequency Combs: a Time Domain Perspective-Grant 105909 Modification P00001."

**Weiser, Irwin H**; liberal arts — administration, from United Student Aid Funds, Inc, \$15,000, "USA Funds Scholarships CLA."

**Weiss, William J and Erk, Kendra A**; civil engineering, materials engineering, from BASF Corporation, \$8,750, "Assessment of Internal Curing Using Super Absorbent Polymers."

**Wendt, Oliver**; speech, language and hearing science, from Purdue University, \$5,000, "Kauffman Foundation Continuation Grant ELA Awardee." (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**West, Terry R**; earth & atmospheric sciences, from Terry R. & Shirley West, (Individual Donor), \$100, "AEG Travel."

**Wild, Robert E**; chemistry, from Winifred B. Bilsland Endowment, \$19,425, "Zhang, Delong."

**Wild, Robert E**; chemistry, from Ross Graduate Fellowship-Assistantship, \$18,098, "Salmon, Olivia E."

**Wild, Robert E**; chemistry, from Multi-Sponsored Industrials, \$1,500, "Henry Bohn Hass Memorial Fund Fellowship."

**Williams, Rod N**; forestry & natural resources, from Purdue University F N Andrews Fellowship, \$17,556, "McCallen, Emily B."

**Williams, Sharon R**; anthropology, from National Science Foundation, \$23,846, "Doctoral Dissertation Research: Measuring the Impacts of Physical and Structural Violence on Somali Refugee Womens Reproductive Health and Fertility Preferences."

**Witkowski, Nicole L**; field extension educators, from Foundations of East Chicago, \$33,466, "East Chicago: My Garden."

**Wu, Yue**; chemical engineering, from Purdue University, \$5,000, "Kauffman Foundation Continuation Grant ELA Awardee." (a Discovery Park award — Burton D. Morgan Center for Entrepreneurship)

**Wu, Yue**; chemical engineering, from University of Chicago, \$120,000, "Thermal and Electrical Control Through Tunable One-Dimensional Nanostructure Incorporated Composites; Amendment 1; Grant 105944."

**Yaninek, John S**; entomology, from Purdue University Special Initiative Program, \$22,701, "Weeks, Faith J."

**Ye, Peide;** electrical & computer engineering, from Winifred B. Bilsland Endowment, \$19,825, “Liu, Han.”

**Ye, Peide;** electrical & computer engineering, from Air Force Office of Scientific Research, \$200,000, “THz III-V MOSFETs Enabled by Atomic Layer Deposition (ALD)-Grown Scalable High-K Gate Insulators (TASK) , Modification 1 for Grant 105873.”

**Zavattieri, Pablo D;** civil engineering, from University of California-Riverside, \$65,000, “Damage-Tolerant Biological Composites Derived from the Teeth of a Giant Chiton; Amendment 1, Grant 105978.”

**Zavattieri, Pablo D;** civil engineering, from University of California-Riverside, \$81,494, “Uncovering and Validating Toughening Mechanisms in High Performance Composites; Amendment 1, Grant 105954.”

**Zheng, Wei;** health sciences, from Purdue University F N Andrews Fellowship, \$17,556, “Wise, John P. Jr.”

**Zheng, Wei;** foods & nutrition, from Ross Graduate Fellowship-Assistantship, \$17,556, “Sick, Justin.”

**Zheng, Wei;** health sciences, from Ross Graduate Fellowship-Assistantship, \$17,556, “Wise, John P.”

**Zhou, Chenn Q; Moreland, John R and Ting, Wei-Tsyi E;** Center for Innovation thru Visual & Sim, Center for Innovation thru Visualization & Simulation, biological sciences — Calumet campus, from Alverno Clinical Laboratories Inc, \$20,749, “3-D Alverno Clinical Laboratories Virtual Tour.”

**Zhou, Chenn Q and Wu, Bin;** Center for Innovation thru Visualization & Simulation, from Severstal Dearborn, \$78,274, “Investigation of Co-Injection of Natural Gas and PCI in Blast Furnace Ironmaking.”

**Zhuang, Qianlai;** agronomy, from U.S. Department of Energy, \$180,000, “Collaborative Research: Quantifying Climate Feedbacks of the Terrestrial Biosphere; Modification 1 for Grant 105572.”

**Ziaie, Babak;** electrical & computer engineering, from National Science Foundation, \$120,000, “Laser Treated Hydrophobic Paper: An Inexpensive Microsystem Platform.” (a Discovery Park award — Birck Nanotechnology Center)

**Zinsmeister, William J;** earth & atmospheric sciences, from Paul P & Linda L Krishna, (Individual Donor), \$350, “Zinsmeister Research.”

**Zollner, Patrick A;** forestry & natural resources, from Purdue University F N Andrews Fellowship, \$17,556, “Dacunto, Laura.”

**Zwier, Timothy S;** chemistry, from National Aeronautics and Space Administration, \$30,000, “2013 NASA Earth and Space Science Fellowship (NESSF) for Mehta Hurt — Laboratory Investigations of Prebiotic Chemistry: Photochemical Pathways from Nitriles for Heteroaromatics.” ■

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