

DIMENSIONS *of* DISCOVERY

Sponsored Program Awards

December 2016

Adeola to Cooper

Adeola, Olayiwola; animal sciences, from Blue River Research Services, \$22,900, "Danisco."

Agnew, Christopher R; psychological science, from Purdue University Special Initiative Program, \$16,769, "Mallory, Drew."

Ajuwon, Kolapo; animal sciences, from AB Agri Limited, \$15,000, "Swine Research."

Alexeenko, Alina; aeronautical & astronautical engineering, from Hoffmann-La Roche Inc., \$10,000, "Lyohub Consortium."

Arrieta Diaz, Andres; mechanical engineering, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Atallah, Mikhail J and Bingham, Clifton W; computer science, from Qatar University, \$231,593, "The Garbled Computer: Towards Computing without Seeing."

Basaran, Osman A; chemical engineering, from BP Oil Company, \$25,000, "Purdue Process Safety and Assurance Center(P2SAC)."

Beaulieu, Lionel J; Office of Engagement, from Logansport-Cass County Chamber of Commerce, \$82, "Northwest Regional CD Voluntary Support."

Beaulieu, Lionel J; Cruz-Porter, Annie K; Kumar, Indraneel; Zhalin, Andriy V and Wilcox, Michael D; Office of Engagement, agriculture – administration, from Economic Development Administration, \$160,000, "Harnessing the Economic Assets of Indiana Regions and Communities: Strengthening Information, Collaboration and Innovation."

Behrens, Sandra R; nursing – Calumet campus, from Indiana University, \$83,950, "Northwest Indiana Area Health Center (Federal Funds 2016-17)."

Bermel, Peter A; electrical & computer engineering, from Northrop Grumman Corporation, \$40,000, "Northrop Grumman."

Bertino, Elisa; computer science, from IBM, \$64,718, "IBM DAIS ITA."

Braun, James; mechanical engineering, from Carrier Corporation, \$80,000, "Next Generation Unitary AC & HP Equipment."

Braun, James E; mechanical engineering, from Duke Energy Indiana, Inc., \$50,000, "Center for High Performance Building Consortium."

Braun, James E; mechanical engineering, from Jones Lang LaSalle Americas Inc, \$50,000, "Center for High Performance Building Consortium."

Braun, James E; mechanical engineering, from Field Diagnostics, \$7,500, "Center for High Performance Building Consortium."

Braun, James E; mechanical engineering, from Lennox Industries, Inc., \$50,000, "Center for High Performance Building Consortium."

Briggs, Scott D; biochemistry, from Purdue University, \$30,000, "Set Domain-Containing Epigenetic Factors in Antifungal Drug Resistance and Hypoxia."

Bullock, Darcy M; civil engineering, from Indiana Department of Transportation, \$5,000, "2017 Transportation Research Board (TRB) Annual Meeting Activities."

Byrn, Stephen R; industrial & physical pharmacy, from University of Chicago, \$163,280, "Pre-clinical Development of Myosolvins, a New Class of Medicine."

Campbell, Wayne W; foods & nutrition, from Dairy Management, Inc. (Dmi), \$65,000, "Effect of Whey Protein Supplementation on Body Composition in Adult Women: Systematic Reviews and Meta-Analysis of Literature."

Carvajal, Teresa M; agricultural & biological engineering, from Triclinic Labs Inc, \$8,310, "Multi-Sponsored Gift Fund."

Chen, Jun; mechanical engineering, from Digital Spring LLC, \$10,000, "Multi-Sponsor Voluntary Support."

Chen, Weinong W; aeronautical & astronautical engineering, from Office of Naval Research, \$30,000, "Fundamental Dynamic Contact Failure Mechanisms in Granular Materials."

Chen, Weinong W; aeronautical & astronautical engineering, from Office of Naval Research, \$100,000, "Fundamental Dynamic Contact Failure Mechanisms in Granular Materials."

Chen, Weinong W; aeronautical & astronautical engineering, from Corvid Technologies, \$100,000, "Human Tissue Characterization."

Chen, Zhihong; electrical & computer engineering, from Semiconductor Research Corporation, \$95,000, "Integration of Cu/Graphene Hybrid Interconnects with Damascene Process; Amendment 1; (Grant 208852)."

Christov, Ivan C; mechanical engineering, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Cooks, Robert G; Thompson, David H; Barker, Eric L; Grama, Ananth Y and Nagy, Zoltan; chemistry, medicinal chemistry & molecular pharmacology, computer science, chemical engineering, from Defense Advanced Research Projects Agency, \$432,743, "Analytic-Directed Multi-Scale Synthesis System."

Cooper, Harold K; anthropology, from Purdue University, \$13,311, "Archaeology and Education: Museum Engagement in Chavin De Huantar, Peru."

Corti to Hertel

Corti, David S; chemical engineering, from American Chemical Society, \$110,000, "A New Method for Determining the Hamaker Constant with Atomic Force Microscopy."

Cramer, William A; biological sciences, from PHS-NIH National Institute of General Medical Science, \$364,735, "Trans-Membrane Signaling in the Cytochrome b6f Lipoprotein Complex."

Cui, Meng; electrical & computer engineering, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

DeLaurentis, Daniel A; aeronautical & astronautical engineering, from Lockheed Martin Astronautics, \$50,000, "Integrated Air and Missile Defense Modeling Collaborations."

Dilkes, Brian and **Johal, Gurmukh S**; biochemistry, botany & plant pathology, from North Carolina State University, \$440,262, "The Genetic and Genomic Exploration of the Maize HR Response; Amendment 1; Grant 107855."

Doucette, Suzanne C; chemistry, from Florida State University, \$84,231, "Energy Frontier Research Center: Center for Interdisciplinary Actinide Science."

Doudareva, Natalia and **Henry, Laura K**; biochemistry, from National Institute of Food & Agriculture, \$95,000, "Understanding Regulation of Terpenoid Biosynthetic Pathways for Enhanced Production of Economically Important Terpenoid Compounds."

Douglas, Kerrie A; engineering education, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Downey, Courtney N; Purdue bands & orchestras, from Tippecanoe Arts Federation, \$4,625, "IAC Grant for Jazz Fest Artist in Residence."

Dzhafarov, Ehtibar N; psychological science, from University of Colorado, \$60,853, "Parametric Assumptions and Model Flexibility; Modification 2 (Grant 107333)."

Fankhauser, Gerald J; agriculture – administration, from Indiana State Department of Agriculture, \$11,000, "Moms Choose Turkey Radio Campaign."

Farkas, Brian E; food science, from Colin R or Loretta J Smith, \$60, "Multi-Sponsored Gift Fermentation."

Fisher, Timothy; mechanical engineering, from Northrop Grumman Corporation, \$35,000, "Northrop Grumman Gift."

Frankenberger, Jane R; agricultural & biological engineering, from Environmental Protection Agency, \$50,000, "Transforming Agriculture Drainage to Reduce Nutrient Losses: Strengthening Collaboration to Achieve Results."

Ghiselli, Richard F; hospitality & tourism, from Banfi Vintners Foundation, \$13,000, "Banfi Vintners Foundation."

Gibert, James M; mechanical engineering, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Ginzel, Matthew D; entomology, from Xavier University, \$12,560, "Biology of Asian Longhorned Beetle in Ohio."

Golden, Barbara L; biochemistry, from Purdue University, \$30,000, "Using Novel Ribozyme Activities to Engineer Proteins."

Goldenstein, Christopher S; mechanical engineering, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Goni Cortes, Joaquin; industrial engineering, from Indiana University, \$58,749, "Statistical Models for Multi-Modal Brain Imaging Studies of HIV-Associated Cognitive Decline."

Gounder, Rajamani P; chemical engineering, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Groll, Eckhard A; mechanical engineering, from Rolls-Royce Corporation, \$9,000, "Testing of Dorin Hermetic Carbon Dioxide Compressor Using Existing Hot-Gas Bypass Compressor Load Stand."

Groll, Eckhard A and **Braun, James E**; mechanical engineering, civil engineering, from Eaton, \$61,004, "Modeling of Roots Expanders and Organic Rankine Cycles in Support of Eatons Affordable Rankine Cycle Project."

Guzey, Sukru; civil engineering, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Haikal, Ghadir and **Ramirez, Julio A**; civil engineering, from Indiana Department of Transportation, \$230,000, "Strength Assessment of Older Continuous Slab and T-Beam Reinforced Concrete Bridges."

Hamaker, Bruce R; food science, from Suranaree University of Technology, \$1,000, "Bench Fees – MS Kuenchan Na Nakorn."

Handwerker, Carol A; **Blendell, John E** and **Subbarayan-Shastri, Ganesh**; materials engineering, mechanical engineering, from Missile Defense Agency, \$250,000, "Reliability Risk Management of Gold Contaminated Tin-Lead and Lead-Free Solder Joints in Military Electronics; Modification 4; (Hq0147-16-C-6005)(Grant 108101)."

Hartman, Nathan W; computer graphics technology, from Cummins Engine Company Inc., \$59,565, "Using VR and AR for Service Environments – Cummins Inc."

Heber, Albert J and **Rode, Robert A**; agricultural & biological engineering, forestry & natural resources, from Iowa State University, \$34,998, "Field Assessment of Design and Operation of Midwestern Aquaculture Buildings."

Heeg, Marlene O; pharmacy – administration, from American Regent, \$299,405, "Mechanistic Approaches to IBD: Current and Future Management Strategies."

Heeg, Marlene O; pharmacy – administration, from Janssen Scientific Affairs, \$100,000, "Mechanistic Approaches to IBD: Current & Future Management Strategies."

Heeg, Marlene O; pharmacy – administration, from Celgene Corporation, \$25,000, "From Psoriasis to Psoriatic Arthritis; Incorporating Advances to Individualize Treatment."

Hertel, Thomas W; agricultural economics, from Economic Research Service, \$20,435, "Global Trade Analysis Project (GTAP) Consortium."

Hertel, Thomas W; agricultural economics, from Stanford University, \$192,462, "A Multi-Model, Multi-Scale Research Program in Stressors, Responses, and Coupled Dynamics at the Energy-Water-Land Nexus and for Concentrated, Interde."

Hertel, Thomas W; agricultural economics, from KPMG, \$20,435, "Global Trade Analysis Project (GTAP) Consortium."

Hertel, Thomas W; agricultural economics, from National Graduate Institute for Policy Studies, \$20,435, "Global Trade Analysis Project (GTAP) Consortium."

Hollenbeck to Martinez

Hollenbeck, Peter J and **Luo, Zhao-Qing**; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$188,034, “The Response of Mitochondria to Legionella Infection of Macrophages.”

Hooser, Stephen B; comparative pathobiology, from Indiana Department of Natural Resources, \$46,980, “IDNR Wildlife Disease Diagnostics.”

Howell, Kathleen; aeronautical & astronautical engineering, from Analytical Mechanics Association, Inc, \$1,500, “National Aeronautics and Space Administration (NASA) Guidance, Navigation, and Control Technical Discipline Team (TDT) (Grant 108080).”

Huang, Fang; biomedical engineering, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Jacob, Zubin; electrical & computer engineering, from National Science Foundation, \$86,758, “Faculty Early Career Development (CAREER): Controlling Single Photon Interactions with K-Surface Engineered Nanomaterials.”

Jacob, Zubin; electrical & computer engineering, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Jacobs, Douglass F; forestry & natural resources, from U.S. Forest Service, \$124,991, “Hardwood Tree Improvement and Regeneration Center.”

Jahanshahi, Mohammad Reza; civil engineering, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Jiang, Wen; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$489,779, “HBGA Receptors in Host Cell Entry and Infection of Norovirus.”

Kaplan, Ian; entomology, from Michigan State University, \$79,344, “Lab to Farm: Integrating Organic Cucurbit Science and Production in the Midwest.”

Keehn, Brandon M and **Dydak, Ulrike**; psychological science, health sciences, from Purdue University, \$14,850, “Attentional Strengths and Gabaergic Function in Children with Autism Spectrum Disorder.”

Kenney, Rachael H; curriculum and instruction, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Kildishev, Alexander V; electrical & computer engineering, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Kim, Yuan H; animal sciences, from Ross Graduate Fellowship/Assistantship, \$31,675, “Setyabrata, Derico.”

Kluender, Keith R; speech, language & hearing sciences, from Indiana Lions Speech and Hearing Inc., \$3,000, “Clinical Support for Speech-Language-Audiology Services from the Indiana Lions Club.”

Kreisle, Regina A; medical education, from Indiana University, \$250,000, “FY16-17 Indiana University School of Medicine (IUSM)-Lafayette General Fund.”

Kubis, Tillmann C; electrical & computer engineering, from Semiconductor Research Corporation, \$100,000, “NEMO5: Engineering Band Tails and Band to Band Tunneling in III-V Semiconductors; Amendment 1; Grant 208832.” (a Discovery Park award – Network for Computational Nanotechnology)

Laird, Carl D; chemical engineering, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Lee, Chun-Sing G; electrical & computer engineering, from Standard Chartered Bank, \$12,500, “IROS.”

Lee, Hyowon; biomedical engineering, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Leidy, Heather J; foods & nutrition, from Leprino Foods, \$91,188, “Leidy Voluntary Support Account.”

Liceaga, Andrea M; food science, from Peer Foods Group, Inc, \$6,000, “Multi-Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Heartland Food Products Group, \$3,000, “Multi-Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Iovate Health Sciences Inc, \$7,500, “Multi-Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Conagra Food Ingredients Co., \$3,000, “Multi-Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Cott Beverages Inc, \$1,500, “Multi-Sponsored Gift- Sensory.”

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

Liceaga, Andrea M; food science, from Bay Valley Foods LLC, \$5,000, “Multi-Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Bay Valley Foods LLC, \$4,000, “Multi-Sponsored Gift- Sensory.”

Lucht, Robert P; mechanical engineering, from Siemens Power Generation Inc, \$180,000, “Distributed Combustion Studies in the Purdue High-Pressure Gas Turbine Combustion Test Rig; Amendment 1; Increase to 15121486; [Grant 208709].”

Luke, Eileen M; CERIS, from Animal Plant Health Inspection Service, \$90,653, “Cooperative Agricultural Pest Survey Information Services (Capsis) FY 17.”

Lundstrom, Mark S; electrical & computer engineering, from Johns Hopkins University Applied Physics, \$56,083, “Nanoscale Engineered Transductional Thermoelectronics; Modification 1.”

Ma, Jianxin; agronomy, from University of Minnesota, \$89,531, “Characterization and Enhancement of Soybean Genetic Resources for Soilborne Disease Resistance, Year 3.”

MacDermid Wadsworth, Shelley and **Topp, Dave**; child development & family studies, from Henry M Jackson Foundation, \$102,512, “Star Behavioral Health Provider Program – an Extension to Oregon.”

Martinez, Kimber J; youth development & agricultural education, from Indiana State Department of Health, \$5,000, “Multicultural Efforts to End Sexual Assault (MESA).”

Mendrysa to Siegmund

Mendrysa, Susan M and **Dilkes, Brian**; basic medical science, biochemistry, from Purdue University, \$30,000, "Role of MDM2 in Craniofacial Development and Dysmorphology."

Menekse, Muhsin; engineering education, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Mengiste, Tesfaye D; botany & plant pathology, from Tel Aviv University, \$153,000, "Molecular Dissection of Host and Pathogen Factors in Botrytis Cinerea Pathogenesis for Improved Genetic Resistance."

Michelusi, Nicolo; electrical & computer engineering, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Milkoreit, Manjana; political science, from Purdue University, \$18,853, "Imagination in Transformation - Building Theory in Support of Social Change."

Morgan, John A; chemical engineering, from Winifred B. Bilsland Endowment, \$11,789, "Jaini, Rohit."

Mou, Shaoshuai; aeronautical & astronautical engineering, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Murawski, Matthew M; pharmacy practice, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Neumeister, Norbert; physics, from Fermi National Accelerator Laboratory, \$29,112, "2017 LHC Physics Center (LPC) Distinguished Research Program."

Ohaire, Marguerite E; comparative pathobiology, from Indiana Clinical & Translational Science Institute, \$1,000, "Clinical and Translational Sciences Institute (CTSI) Annual Meeting Poster Presentation Award."

Oliver, Haley F and **Ray, Andrea J**; food science, from National Institute of Food & Agriculture, \$45,324, "Stress Tolerance, Attachment Capacity, and Virulence of Salmonella Heidelberg Outbreak-Related Food Isolates Compared to Non Outbreak-Related Strains."

Paniagua Perez, Guillermo; mechanical engineering, from Rolls-Royce Corporation, \$75,000, "High Aspect Ratio Airfoil Tip Optimization."

Pastakia, Sonak D; pharmacy practice, from Indiana University, \$30,000, "Celgene 2015 Gift."

Patton, Aaron J; horticulture & landscape architecture, from Lebanonturf, \$2,000, "Multi-Sponsored."

Pomeranz, Irith; electrical & computer engineering, from Intel Corporation, \$45,000, "Gift to the Department of Electrical and Computer Engineering."

Pourpoint, Timothee L and **Anderson, William E**; aeronautical & astronautical engineering, from Missile Defense Agency, \$120,000, "Investigation of Root Causes of Combustion Instability, Modification 2; (Hq0147-16-C-6001); Grant 108099."

Prokopy, Linda S; forestry & natural resources, from University of Minnesota, \$50,055, "Training for a Watershed Approach Using the Agricultural Conservation Planning Framework."

Promann, Marlen; technology – administration, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Ramanathan, Shriram; materials engineering, from Army Research Office, \$55,000, "Research Area 4: Electronics: Mott Transistor: Fundamental Studies and Device Operation Mechanisms."

Rapoport, Anatoli; curriculum and instruction, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Ratliff, Timothy L; comparative pathobiology, from Indiana University, \$484,194, "Walther Bioinformatics-Molecular Genomics/Genetics Joint IU-Purdue Initiative; Amendment 1; Grant 208432."

Ratliff, Timothy L and **Cooper, Paula**; Cancer Research Center, comparative pathobiology, from Indiana Clinical & Translational Science Institute, \$1,000, "Indiana Clinical and Translational Sciences Institute (CTSI) 2016 Annual Meeting Poster Award."

Remis, Melissa J; liberal arts – administration, from Purdue University, \$18,450, "Exploring Cultural and Biological Factors of Zoonotic Infectious Disease Emergence in a Central African Forest Reserve."

Rodriguez, Jorge H; physics, from Defense Threat Reduction Agency, \$156,897, "Ab-Initio & Semiempirical Investigation of Deinococcus Radiodurans Resistance to Ionizing & Uv Radiation; Modification 5 for Grant #106339."

Roy, Kaushik; Datta, Supriyo and **Raghunathan, Anand**; electrical & computer engineering, from University of Minnesota, \$480,000, "Center for Spintronic Materials, Interfaces and Novel Architectures - C-Spin; Amendment 7; Grant 106456."

Sadof, Clifford S; entomology, from Rotam North America, Inc, \$7,500, "Multi-Sponsor."

Salgado, Rodrigo; civil engineering, from Cti and Associates Inc, \$2,000, "Coffee."

Schoonmaker, Jon; animal sciences, from Ajinomoto Heartland LLC, \$50,000, "DSM Nutritional Products, Inc."

Seidl, Amanda H; speech, language & hearing sciences, from Purdue University, \$30,000, "The Impact of Touch on Infant Speech Perception."

Shakouri, Ali; electrical & computer engineering, from Applied Materials, \$8,750, "Consortium on Printing and Scalable Manufacturing of Aware and Responsive Thin Films (SMART)." (a Discovery Park award – Birck Nanotechnology Center)

Shalaev, Vladimir M; Boltasseva, Alexandra and **Kildishev, Alexander V**; electrical & computer engineering, from US Army Research, Development and Engineering Command (RDECOM), \$50,000, "Flat Photonics with Metasurfaces." (a Discovery Park award – Birck Nanotechnology Center)

Shaver, Gregory M; mechanical engineering, from Eaton, \$500,000, "Enabling Ultra-High Engine System Efficiency via Flexible Valve Actuation."

Siegmund, Thomas H; mechanical engineering, from National Science Foundation, \$16,000, "Research Experience for Undergraduates (REU) Supplement to Eager/Collaborative Research: Mechanical Size Effects and Bone Failure."

Simpson to Yu

Simpson, Vicki L; nursing, from Indiana Clinical & Translational Science Institute, \$6,250, “Know Your Numbers 46041 Reducing the Risk.”

Singh, Manpreet; Deering, Amanda J and Maynard, Elizabeth T; food science, horticulture & landscape architecture, from Iowa State University, \$8,000, “Strategy for Successful Implementation of FSMA in the North Central Region through Adoption of a Systems Approach and Stakeholder Engagement.”

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

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

Stewart, Kara R and Lugar, Drew W; animal sciences, from National Pork Board, \$5,000, “Effects of Supplemental Betaine to Commerical Seman Extenders on Boar Sperm Quality.”

Strachan, Alejandro H; materials engineering, from U.S. Department of Energy, \$96,201, “Shape Memory in Nanoscale Metallic Alloys.”

Stroshine, Richard L and Ambrose, Rose Prabin K; agricultural & biological engineering, from New Holland North America, Inc., \$6,804, “Testing of Shelled Corn Samples for Damage Caused by Combine Harvesting.”

Sudhoff, Scott D and Pekarek, Steven D; electrical & computer engineering, from Florida State University, \$28,291, “Purdue 2017-2021 ESRDC Efforts; Amendment 1; Grant 108689.”

Tallman, Tyler N; aeronautical & astronautical engineering, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Tan, Hong Z; electrical & computer engineering, from AAC Technologies, \$120,637, “Developing Rich Keyclick Haptics Feedback, Collaboration by AAC Technologies and Purdue Haptic Interface Research Laboraatory (HIRL).”

Tarko, Andrew P; civil engineering, from Indiana Department of Transportation, \$55,000, “Indiana Department of Transportation (INDOT) Road Network Screening for Safety Needs.”

Thompson, David H; chemistry, from Jewell Laboratories LLC, \$44,122, “Biological Evaluation of Jewell Lead Compounds.”

Thompson, David H and Bentley, Robin T; Cancer Research Center, from Purdue University, \$10,000, “MR Imaging in Spontaneous Dog Gliomas Using Long-Circulating Contrast Agents.”

Tisdale, James E and Snyder, Margie E; pharmacy practice, from Heart Rhythm Society, \$5,000, “Screening for Atrial Fibrillation in Community Pharmacies.”

Trice, Rodney W; materials engineering, from Air Force Office of Scientific Research, \$90,712, “Phase II: Design and Assessment of Multifunctional Coatings for Ablation and Emissivity Performance.”

Varma, Amit H and Seo, Jungil; civil engineering, from Dankook University Jukieon Campus, \$9,420, “Collaborative Experimental Investigation of SC Walls Subjected to Missile Impact.”

Wang, Nien-Hwa L; chemical engineering, from American River Nutrition Inc, \$12,000, “Wang Research Armn Voluntary Support.”

Webb, Kevin J; electrical & computer engineering, from Army Research Office, \$50,000, “The Optomechanical Response of Nano-structured Materials.”

Weiner, Andrew M and Qi, Minghao; electrical & computer engineering, from Defense Advanced Research Projects Agency, \$320,406, “Integrated Coherent Comb and Line-by-Line Pulse Shaper for Radio Frequency (RF) Photonic Filtering; Amendment 6 (Grant 106582).”

Wendt, Michael K; medicinal chemistry & molecular pharmacology, from American Cancer Society, \$792,000, “Targeting Matrix-Mediated Drug Resistance in Metastatic Breast Cancer.”

Wharry, Janelle P; nuclear engineering, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Williams, Christopher S; civil engineering, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Wirth, Mary J; chemistry, from Genentech Corporation, Inc., \$40,000, “Developing New HILIC Method to Separate mAb Glycan Variants.”

Wise, Kiersten A; botany & plant pathology, from Bayer Crop-science, \$31,500, “Voluntary Support Account.”

Wise, Kiersten A; botany & plant pathology, from Agbiome, \$18,200, “Voluntary Support Account.”

Wise, Kiersten A; botany & plant pathology, from FMC Corporation, \$20,000, “Voluntary Support Account.”

Wise, Kiersten A; botany & plant pathology, from Bayer Crop-science, \$5,000, “Voluntary Support Account.”

Wise, Kiersten A; botany & plant pathology, from FMC Corporation, \$8,000, “Voluntary Support Account.”

Won, You-Yeon; chemical engineering, from National Science Foundation, \$50,000, “Development of Polymer Lung Surfactants for Low-Cost Non-Physician-Provided Treatment of Neonatal Respiratory Distress Syndrome (RDS).”

Ye, Peide; electrical & computer engineering, from Semiconductor Research Corporation, \$100,000, “High-Mobility Narrow Bandgap 2D Materials for TFET Applications; Amendment 1 [Grant 209020].”

Ye, Peide; electrical & computer engineering, from BAE Systems Advanced Technologies, Inc., \$15,000, “Atomic Layer Deposition (ALD) Dielectric Study on GaN High Electron Mobility Transistor (HEMT) Devices.” (a Discovery Park award – Birck Nanotechnology Center)

Yeo, Yoon; Elzey, Bennett D and Galinsky, Raymond E; industrial & physical pharmacy, comparative pathobiology, from Purdue University, \$30,000, “Nanoparticle-Based Delivery of Proteasome Inhibitors for Triple Negative Breast Cancer Therapy.”

Yu, Jae Hoon David; civil engineering, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Zaspel to Zhang

Zaspel, Jennifer M; entomology, from Irvine Ranch Water District, \$11,040, “DNA Barcode Library for Invertebrate Diversity (Insecta).”

Zhang, Hao; statistics, from Cook Research Incorporated, \$17,229, “Cook Research Inc RA Spring 2017.”

Zhang, Song; mechanical engineering, from National Institute of Justice, \$788,167, “Development of a Portable 3-D Imaging System for Capturing Shoe and Tire Impressions.”

Zhang, Xinghang; materials engineering, from Texas A&M University, \$68,630, “Zhang – High Strength and High Ductility Martensitic Steels.”

Zhang, Yiying; electrical & computer engineering, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Zhang, Zhong-Yin; medicinal chemistry & molecular pharmacology, from Ross Graduate Fellowship/Assistantship, \$17,440, “Lin, Hang.”

Zhang, Zhong-Yin; medicinal chemistry & molecular pharmacology, from Purdue Doctoral Program, \$17,450, “Hewitt, Chad.” ■

Notice Regarding Sponsored Program Awards

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