

DIMENSIONS *of* DISCOVERY

Sponsored Program Awards

December 2019

Abbott to Camberato

Abbott, Angela R; health and human sciences administration, from Gene B. & Marilyn Glick Foundation, \$7,500, "Improving Senior Nutrition in Lawrence County."

Abbott, Angela R; field extension agents, from American Association of Retired Persons, \$2,000, "AARP – Healthy Food Access Project."

Abdel-Khalik, Hany S; nuclear engineering, from Ohio State University, \$57,601, "Big Data for Operation and Maintenance Cost Reduction."

Aguilar, Ruben C; biological sciences, from Lowe Syndrome Association, \$15,000, "Allosteric Activators of OCRL1 (OCRL Inositol Polyphosphate-5-Phosphatase): a Novel Therapeutic Strategy Against Lowe Syndrome."

Aime, Mary Catherine; botany & plant pathology, from Higher Education Commission Pakistan, \$3,465, "Bench Fees – Shahid Ali."

Akdere, Mesut; technology leadership and innovation, from Sakarya Union of Chambers, \$5,478, "Developing Young Innovative Entrepreneurial Leaders in Science, Technology, Engineering, Arts, and Math (STE[A]M) Fields in Eastern Marmara Region."

Alam, Muhammad A; electrical & computer engineering, from Texas Instruments, Inc., \$75,000, "Texas Instruments Gift."

Alexeenko, Alina; aeronautics & astronautics, from Genentech Corporation, Inc., \$75,000, "Wireless Sensor for Vial Headspace Pressure Monitoring During Controlled Ice Nucleation Process."

Alsup, Janet M; curriculum & instruction, from Ross Graduate Fellowship-Assistantship, \$11,952, "Akdemir, Zeynep Gonca."

Alsup, Janet M; curriculum & instruction, from Purdue University F N Andrews Fellowship, \$5,092, "Duha, Mohammad Shams."

Appenzeller, Joerg; electrical & computer engineering, from Semiconductor Research Corporation, \$408,959, "Energy-Efficient Computing: from Devices to Architectures (E2CDA): Type I: Probabilistic Spin Logic for Low-Energy Boolean and Non-Boolean Computing; Amendment 3; Grant 40001984."

Aryal, Uma K; comparative pathobiology, from Hoosier Cancer Research Network, Inc, \$3,371, "Big Ten Cancer Research Consortium – Division of Hematology BTCRC-HEM17-092 Trial." (a Discovery Park award – Bindley Bioscience Center)

Bahr, David F; materials engineering, from Rolls-Royce Corporation, \$7,421, "Nano and Micro Indentation Measurements of Environmental Barrier Coating (EBC) Bond Coats."

Basaran, Osman A; chemical engineering, from 3M General Offices, \$25,000, "Purdue Process Safety and Assurance Center(P2SAC)."

Beckerman, Janna L; botany & plant pathology, from BASF Corporation, \$9,500, "Indiana Arborists Association, Inc.."

Beckerman, Janna L; botany & plant pathology, from Bayer Corporation, \$5,600, "Indiana Arborists Association, Inc.."

Beckerman, Janna L; botany & plant pathology, from PBI Gordon Corp., \$3,600, "Indiana Arborists Association, Inc.."

Beckerman, Janna L; botany & plant pathology, from Syngenta Crop Protection Inc., \$7,400, "Indiana Arborists Association, Inc.."

Bertino, Elisa; computer science, from Intel Corporation, \$72,000, "Gift Letter with Intel."

Bhargava, Bharat and Aggarwal, Vaneet; computer science, industrial engineering, from University of Southern California, \$39,272, "Generating Novelty in Open-World Multi-Agent Environments (GNOME)."

Bowman, Aaron B; health sciences, from Ross Graduate Fellowship-Assistantship, \$1,527, "Webb, Alexis."

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

Brooke, Jarred M; forestry & natural resources, from Indiana Forestry Education Foundation, \$500, "Voluntary Support – Brooke."

Brooke, Jarred M; forestry & natural resources, from The Nature Conservancy, \$15,000, "Voluntary Support – Brooke."

Brown, Paul B; forestry & natural resources, from Aginno Institute, \$33,779, "Alternative Protein Sources for Fish Feed in Aquaculture and Their Economic Viability and Cultural Acceptance."

Bullock, Darcy M; civil engineering, from Indiana Department of Transportation, \$5,000, "SPR-4449: Focus Group Activities."

Cai, Hubo; civil engineering, from State of South Carolina, \$18,086, "Risk-Based Construction Inspection and Documentation."

Cai, Hubo; civil engineering, from State of South Carolina, \$273,274, "Risk-Based Construction Inspection and Documentation."

Caldwell, Barrett S; industrial engineering, from Multi-Sponsored Industrials, \$50, "Indiana Space Grant Consortium (INSGC) Affiliate Dues (Oct 2019 Purdue Research Foundation (PRF) Rewrite)."

Camberato, James J; agronomy, from Nanochem Solutions Inc, \$7,293, "Multi Sponsored."

Campbell to Forman

Campbell, Noll L; pharmaceutical practice, from Indiana University, \$41,542, “Brain Safe: Consumer Intervention to Reduce Exposure to Drugs Linked to Alzheimers Disease.”

Campbell, Noll L; pharmaceutical practice, from Indiana University, \$9,999, “Indiana Geriatrics Education and Training Center (Indiana GETC) 2.0.”

Cappelleri, David J; mechanical engineering, from Duke Energy Indiana, Inc., \$10,000, “Duke Energy – Voluntary Support.”

Casteel, Shaun N; agronomy, from Fluid Fertilizer Foundation, \$10,000, “Soybean Extension Research.”

Chan, Stanley H; electrical & computer engineering, from Intel Corporation, \$10,000, “Multi Sponsor – Voluntary Support.”

Chen, Qingyan; mechanical engineering, from Carson Solutions, \$148,035, “Evaluation of Ventilation Effectiveness in Indoor Spaces with QLCI Displacement Induction Units.”

Chen, Weinong W; Gonzalez, Marcial; Koslowski, Marisol; Rhoads, Jeffrey Frederick and Son, Steven F; aeronautics & astronautics, mechanical engineering, from Air Force Office of Scientific Research, \$400,000, “Real-Time Dynamic Measurements and Characterization of Mesoscale Deformation; Modification 6; Grant 13000391.”

Chen, Zhihong; electrical & computer engineering, from Sandia National Laboratories, \$84,448, “Transition Metal Dichalcogenides Based Photodetectors.” (a Discovery Park award – Birck Nanotechnology Center)

Chen, Zhihong; Appenzeller, Joerg and Gupta, Sumeet Kumar; electrical & computer engineering, from Semiconductor Research Corporation, \$1,664,100, “New Limits – New Materials for Logic, Memory and Interconnects; Amendment 4, Grant 18100041.”

Chen, Zhihong; Appenzeller, Joerg and Gupta, Sumeet Kumar; electrical & computer engineering, from Semiconductor Research Corporation, \$160,777, “New Limits – New Materials for Logic, Memory and Interconnects.” (a Discovery Park award – Birck Nanotechnology Center)

Chiang, Mung; education administration, from U.S. Department of State, \$420,112, “Intergovernmental Personnel Assignment (IPA) for Dr. Mung Chaing.”

Christian, John A; comparative pathobiology, from Western University of Health Sciences, \$11,310, “Cytology Resource Center (40001198).”

Connor, Robert J and Dick, Stephen M; civil engineering, from Transportation Technology Center, \$17,000, “Machine Vision Measurement of In-Track Rail Stresses for Track Stability.”

Cooks, Robert Graham; chemistry, from FLIR Systems Inc, \$109,899, “Year 3 Funding: Fully MS/MS Capable Miniature Mass Spectrometer for Drug and Chemical Warfare Agents (CWA) Analysis (40001946).” (a Discovery Park award – Bindley Bioscience Center)

Csathy, Gabor A; physics & astronomy, from U.S. Department of Energy, \$133,624, “Integrated Growth and Ultra-Low Temperature Transport Study of the 2nd Landau Level of the Two-Dimensional Electron Gas (Grant 14000205 Modification #9).”

Cui, Meng; electrical & computer engineering, from University of Michigan, \$221,970, “A Multimodal Platform to Bridge the Experimental Gap Between Behavioral and Neuronal Studies.”

DeLaurentis, Daniel A and Guariniello, Cesare; aeronautics & astronautics, from Stevens Institute of Technology, \$165,000, “Foundations for a Model-Based, Portfolio Analysis Capability for Joint Program Executive Office for Chemical, Biological, Radiological, Nuclear (JPEO-CBRN).” (a Discovery Park award – Institute for Global Security and Defense Innovation)

Delp, Edward J and Comer, Mary L; electrical & computer engineering, from Lockheed Martin Corp., \$99,000, “Multi-Entity Activity Characterization.”

Dilger, C Bradley; English, from University of Arizona, \$35,947, “Expanding the Corpus and Repository of Writing: an Archive of Multilingual Writing in English.”

Donkin, Shawn S; animal sciences, from Boveta Nutrition, \$146,053, “Effects of Feed Formulation on Milk Yield and Milk Efficiency of Lactating Dairy Cows.”

Doucette, Suzanne C; chemistry, from U.S. Department of Energy, \$147,450, “Synthetic, Spectroscopic & Computational Studies of Redox-Active Uranium Complexes for Fundamental Organometallic Reactions (Grant 14000212 Modification 10).”

Dyke, Shirley J and Beck, Corey M; mechanical engineering, from Federal Highway Administration, \$5,000, “FHWA Graduate Fellowship.”

Ebert, David S; electrical & computer engineering, from General Motors Corp, \$60,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.” (a Discovery Park award – Center for Education and Research in Information Assurance and Security [CERIAS])

Egel, Daniel S; botany & plant pathology, from Plant Food Systems, Inc, \$800, “Potassium Management.”

Ekenstedt, Kari J; basic medicine science, from PHS-NIH Office of the Director, \$112,825, “Novel Genetic Models for Vertebral Abnormalities – Grant #11000827.”

Feng, Yaohua; food science, from Partnership for Food Safety Education, \$10,000, “Multi Sponsored Gift.”

Fernandez, Juan Marcos; animal sciences, from National Institute of Food & Agriculture, \$74,999, “Employment Opportunities for College Graduates in Food, Agriculture, Renewable Natural Resources, and Environment, United States, 2020-2025.”

Field, William E; agricultural & biological engineering program, from Hot Box Pizza Franchising LLC, \$19, “Breaking New Ground.”

Field, William E; agricultural & biological engineering program, from Life Essentials, LLC, \$450, “Breaking New Ground.”

Field, William E; agricultural & biological engineering program, from Carlson Mobility LLC, \$200, “Breaking New Ground.”

Fischbach, Ephraim; physics & astronomy, from Jordan M Helm, \$400, “E. Fischbach Research Support.”

Forman, Michele R; nutrition science, from Purdue University F N Andrews Fellowship, \$30,610, “Froese, Savannah.”

Forman, Michele R; nutrition science, from Ross Graduate Fellowship-Assistantship, \$11,931, “Lin, Luotao.”

French to Jordan

French, Doran C; human development & family studies, from Ross Graduate Fellowship-Assistantship, \$1,527, “Hassan, Mehreen Z.”

French, Doran C; human development & family studies, from Ross Graduate Fellowship-Assistantship, \$1,527, “Anderson, Kirsten L.”

Garner, Allen L; nuclear engineering, from Luna Innovations Incorporated, \$9,000, “Development of the MagAid for Simplified Pain Management During Prolonged Field Care Using Pulsed Magnetic Fields.”

Garrison, James L; aeronautics & astronautics, from University of Michigan, \$61,367, “Cyclone Global Navigation Satellite System (CYGNSS).”

Gelvin, Stanton B; biological sciences, from National Science Foundation, \$145,818, “Breakthrough Technologies Early-concept Grants for Exploratory Research (BTT EAGER): Clean Genome Editing through the Use of Nonintegrating Transfer DNA (T-DNA) Technology; Amendment 1 10001455.”

Ginzel, Matthew D; entomology, from Ross Graduate Fellowship-Assistantship, \$55, “Tobin, Kelsey Nicole.”

Goldenstein, Christopher S; mechanical engineering, from Energy Research Consultants, \$750, “Multi Sponsor Vol Support.”

Gounder, Rajamani P; chemical engineering, from Del-Ray Contract Glazing, LLC, \$25,000, “Multi Sponsor – Voluntary Support.”

Gounder, Rajamani P; chemical engineering, from University of Kentucky, \$170,651, “Development of Passive Hydrocarbons/Nitrogen Oxides (HC/NOx) Trap Catalysts for Low Temperature Gasoline Applications; Amendment 3, Grant 14000340.”

Greeley, Jeffrey P; chemical engineering, from Argonne National Laboratory, \$75,000, “Electrochemical Reactivity of Electrified Oxide Interface Relevant to Energy Storage Systems.”

Guan, Wenjing; horticulture & landscape architecture, from Enza Zaden USA Inc, \$1,050, “General Research Activities.”

Hall, Beth Lynelle; agronomy, from University Corporation for Atmospheric Research, \$100,000, “Climate Services and Activities that Support the Drought Early Warning System (DEWS) for Indiana and the Midwest Region.”

Hamaker, Bruce R; food science, from Pepsico Inc./ World Trading Co., \$97,026, “Assessing the Gut Fermentative Potential of Dietary Fibers of Novel Native and Processed Snack Ingredients.”

Hambrusch, Susanne E; computer science, from Northwestern University, \$40,636, “Envisioning Workshops for Computing in Undergraduate Education.”

Hart, Patricia; language & culture, from Purdue Doctoral Program, \$2,580, “Maldonado, Alan Alberto.”

Hartman, Nathan W; computer graphics technology, from Universal Technology Corporation, \$20,000, “Implementation Plan Support for Digital Engineering Center of Excellence.”

Heinz, Michael G; speech, language & hearing sciences, from La Fondation Pour Laudition, \$128,618, “Efficient Coding of Speech and Cochlear Tuning (ECSpeCT).”

Hook, Tomas O; Carlton, Joshua S and Foley, Carolyn J; forestry & natural resources, Indiana-Illinois Sea Grant, from National Oceanographic & Atmospheric Administration, \$50,000, “2018-2022 Illinois-Indiana Sea Grant (IISG) Omnibus Proposal.”

Hook, Tomas O; forestry & natural resources, from Great Lakes Fishery Trust, \$299,454, “Quantifying the Importance of Multiple Nursery Habitats to Alewife Population Recruitment and Population Resilience.”

Horton, William Travis; civil engineering, from American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), Inc, \$50,000, “Multi Sponsor – Voluntary Support.”

Hountz, Randall A; industrial engineering, from Indiana State Office of Rural Health, \$175,000, “Leadership-Pull Improvements in Critical Access Hospital.” (a Discovery Park award – Regenstrief Center for Healthcare Engineering)

Huang, Jen-Yi; food science, from The Abide Idea Company, \$2,000, “Multi Sponsored Gift.”

Ishii, Mamoru; nuclear engineering, from Bechtel Bettis, Inc., \$100,000, “Demonstration of Effectiveness of Droplet Capable Conductivity Probe (DCCP) and its Measurement Principle.”

Jacobs, Douglass F; forestry & natural resources, from LHF Black Walnut LLC, \$5,000, “Hardwood Tree Improvement & Regeneration Center/ Center for Advanced Forestry Systems (HTIRC/CAFS) Voluntary Support.”

Jarriel, Katherine M; honors college administration, from Pod Network, \$1,920, “Movable Desks, Flexible Minds? the Archaeology of Honors Active Learning Classrooms.”

Johnson, Brandon Charles; earth, atmospheric & planetary sciences, from Jet Propulsion Laboratory, \$39,901, “Constraining Ceres Subsurface Structure at Geological Landmarks Using the Dawn Gravity and Shape Data.”

Johnson, David R; industrial engineering, from Water Institute of the Gulf, \$35,568, “Environmental Science Consulting Services – Risk Assessment.”

Johnson, David R; industrial engineering, from Water Institute of the Gulf, \$5,139, “Environmental Science Consulting Services – Nuisance Flooding.”

Johnson, William G; botany & plant pathology, from Agrimetis, \$16,800, “Weed Science Research Voluntary Support.”

Johnson, William G; botany & plant pathology, from Land Olakes Inc., \$11,500, “Weed Science Research Voluntary Support.”

Johnson, William G; botany & plant pathology, from Corteva Agriscience, \$47,900, “Weed Science Research Voluntary Support.”

Johnson, William G; botany & plant pathology, from Bayer Corporation, \$14,500, “Weed Science Research Voluntary Support.”

Johnson, William G; botany & plant pathology, from BASF Corporation, \$34,000, “Weed Science Research Voluntary Support.”

Jordan, G Logan; Barron, John M and Mumford, Kevin; management administration, economics, from Nationwide Mutual Insurance Company, \$49,750, “Veterinary Insurance Data Analysis.”

Karcher to Miller

Karcher, Darrin M; animal sciences, from Biomin America Inc, \$11,466, "Poultry Research."

Karcher, Darrin M; animal sciences, from Biomin America Inc, \$33,634, "Poultry Research."

Kim, Seungjin; nuclear engineering, from Ross Graduate Fellowship-Assistantship, \$11,959, "Quan, Zhengting."

Kim, Seungjin; nuclear engineering, from Ross Graduate Fellowship-Assistantship, \$11,904, "Wang, Haoxuan."

Kim, Tae-Hoon; comp information technology & graphics (cit&g), from Arcelormittal USA, \$9,950, "Interactive Web App Development for Arcelormittal Global Research & Development (R&D) Center."

Kuhn, Richard J; biological sciences, from La Jolla Institute for Allergy & Immunology, \$210,400, "Consortium for Immunotherapeutics Against Emerging Viral Threats."

Kumar, Indraneel; Cruz-Porter, Annie K; Zhalnin, Andriy V and Beaulieu, Lionel J; Purdue Center for Regional Development, i-STEM, from Indiana Department of Transportation, \$35,111, "An Assessment of the Workforce and Occupations in the Highway, Street and Bridge Construction Industries."

Lechtenberg, Victor Louis; president administration, from Multi-Sponsored Industrials, \$10,000, "Support of Southeastern Small Business Development Center (SBDC)."

Lee, Seokcheon; industrial engineering, from Amideast – Fulbright, \$31,688, "Fulbright Scholar a Abdelhadi."

Liceaga, Andrea M; food science, from Treehouse Foods, Inc, \$12,000, "Multi Sponsored Gift- Sensory."

Lindshield, Stacy M; anthropology, from Ball State University, \$16,225, "Assessing Novel Pathways of Mercury Bioaccumulation in West African Chimpanzees."

Low, Philip S; chemistry, from Dan Hasler, \$1,000, "Multi Sponsor – Voluntary Support."

Low, Philip S; chemistry, from Three Lakes Partners, \$50,000, "Hurvis – Hulow Research."

Low, Philip S; chemistry, from Endocyte, Inc., \$350,000, "Folate Chemo: Novel, Non-Toxic, Delivery of Chemotherapeutics."

Lu, Yung-Hsiang; electrical & computer engineering, from Xilinx Inc, \$13,400, "Multi Sponsor – Voluntary Support."

Lu, Yung-Hsiang; electrical & computer engineering, from Google Inc, \$7,000, "Google Sponsorship: on-Device Visual Intelligence Competition."

Lu, Yung-Hsiang; electrical & computer engineering, from Xilinx Inc, \$3,000, "On-Site Artificial Intelligence (AI) Acceleration Challenge at International Conference on Computer Vision (ICCV) 2019."

Ma, Zhao; forestry & natural resources, from U.S. Forest Service, \$10,000, "USDA Forestry Service Seedling Production."

MacDermid Wadsworth, Shelley; Broniarczyk, Kathy M and Topp, Dave; human development & family studies, Military Family Research Institute conference, from Lilly Endowment Inc., \$4,500,000, "Innovating, Engaging, and Catalyzing to Support Military and Veteran Families."

Mansfield, Charles W; agronomy, from Midwest Hemp Council, \$500, "Corn Research."

Mansfield, Charles W; agronomy, from Rubisco Seeds LLC, \$2,250, "Corn Research."

Matson, Eric T and Smith, Anthony H; computer information technology, from Chungbuk National University, \$14,730, "CBNU-Purdue Software Program 2020."

Matson, Eric T and Smith, Anthony H; computer information technology, from Chungnam National University, \$103,782, "Chungnam National-Purdue Software Program 2020."

Meckl, Peter Heinrich; mechanical engineering, from Cummins, Inc., \$750,000, "Development of Empirical, Dynamic Engine Models for Transient Performance Optimization, Engine Controls and In-Use Performance Monitoring Using Cloud Computing."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, "NIH Comparative Biomedical Scientist Training Program."

Miller, Margaret A; comparative pathobiology, from National Institutes of Health, \$4,201, "NIH Institutes of Health Training Grant for Jessica Beck."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, "NIH Comparative Biomedical Scientist Training Program."

Miller, Margaret A; comparative pathobiology, from National Institutes of Health, \$4,198, "NIH Institutes of Health Training Grant for Jessica Beck."

Miller, Margaret A; comparative pathobiology, from National Institutes of Health, \$4,198, "NIH Institutes of Health Training Grant for Jessica Beck."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, "NIH Tuition Only Fellowship for Stacey Piotrowski."

Miller, Margaret A; comparative pathobiology, from National Institutes of Health, \$4,198, "NIH Institutes of Health Training Grant for Jessica Beck."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,201, "NIH Comparative Biomedical Scientist Training Program."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, "NIH Tuition Only Fellowship for Katelin Davis."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, "NIH Comparative Biomedical Scientist Training Program."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, "NIH Comparative Biomedical Scientist Training Program."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, "NIH Tuition Only Fellowship for Stacey Piotrowski."

Miller, Margaret A; comparative pathobiology, from National Institutes of Health, \$4,198, "NIH Institutes of Health Training Grant for Jessica Beck."

Miller to Ribeiro

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, “NIH Tuition Only Fellowship for Katelin Davis.”

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, “NIH Tuition Only Fellowship for Stacey Piotrowski.”

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$2,498, “NIH Tuition Only Fellowship for Stacey Piotrowski.”

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$1,177, “NIH Tuition Only Fellowship for Stacey Piotrowski.”

Mishra, Dharmendra K; food science, from Nuttie Company LLC, \$150, “Multi Sponsored Gift.”

Mishra, Dharmendra K; food science, from B Happy Peanut Butter LLC, \$300, “Multi Sponsored Gift.”

Mishra, Dharmendra K; food science, from Heartland Food Products Group, \$14,000, “Multi Sponsored Gift.”

Mishra, Dharmendra K; food science, from Mead Johnson Nutritionals, \$9,500, “Computational Fluid Dynamic Simulation of Mixing One Stream of Product Flow to a Different Stream.”

Mishra, Dharmendra K; food science, from Ross Graduate Fellowship-Assistantship, \$10,320, “Rawat, Ajay Daulat Singh.”

Morisette, Dallas T; electrical & computer engineering, from Sonrisa Research Inc, \$100,189, “High-Voltage Silicon Carbide (SiC) N-Channel Insulated-Gate Bipolar Transistors (IGBTs) with Waffle Substrates.”

Mosier, Nathan S; agricultural & biological engineering program, from Purdue University F N Andrews Fellowship, \$31,959, “Overton, Jonathan Christopher.”

Mukherjee, Partha P; mechanical engineering, from Office of Naval Research, \$35,000, “Electrochemical and Transport Evolution Dynamics in Sodium-Sulfur Electrodes – Modification 1 for Grant #13000788.”

Munson, Eric J; industrial & physical pharmacy, from National Science Foundation, \$115,507, “Industry–University Cooperative Research Centers (I/UCRC) Phase II: Collaborative Research: Center for Pharmaceutical Development (CPD).”

Nagy, Zoltan; chemical engineering, from Takeda Pharmaceutical International Inc US Region, \$140,000, “Crystallization Monitoring.”

Nakatsu, Cindy H; agronomy, from Nanochem Solutions Inc, \$9,530, “Microbial Analysis.”

Newton, Kathryn A; polytechnic administration, from University of Industrial Distribution, \$10,000, “Coordination of University of Innovative Distribution Program.”

Park, Jae Hong; health sciences, from Embiome Co Ltd, \$10,000, “Development of a Simulation Model to Predict Lifetime of Cabin Air Filter Based on Environmental and Operational Conditions.”

Paschou, Peristera; biological sciences, from Massachusetts General Hospital, \$70,622, “Large-Scale Collaborative Genetic and Epigenetic Studies of Tourette Syndrome.”

Pienaar, Elsje; biomedical engineering, from Chest Foundation, \$30,000, “A Computational Bridge Between in Vitro Minimum Inhibitory Concentration (MIC) and in Vivo Efficacy of Antibiotics Against Mycobacterium Avium Complex (MAC) Infection.”

Pipes, R Byron; Barocio Vaca, Eduardo and Favaloro, Anthony J; materials engineering, Composites, Manufacturing & Simulation Center, from Idaho National Laboratory, \$6,503, “Macroscopic Modeling for Additive Manufacturing of Stainless Steel.”

Pourpoint, Timothee L; aeronautics & astronautics, from Ultramet, \$19,461, “Evaluation of a 3N Hydrogen Peroxide (H₂O₂) Monopropellant Thruster.”

Pourpoint, Timothee L and Kenttamaa, Hilkka I; aeronautics & astronautics, chemistry, from Analytical Mechanics Association, Inc, \$57,000, “Transient Combustion Modeling for Hypergolic Engines; Modification 3; Grant 12000301.”

Pourpoint, Timothee L and Kenttamaa, Hilkka I; aeronautics & astronautics, chemistry, from Analytical Mechanics Association, Inc, \$2,170, “Transient Combustion Modeling for Hypergolic Engines (RO3 Funding).”

Powley, Terry L and Phillips, Robert J; psychological sciences, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, \$626,961, “Autonomic Control of Body Weight and Feeding.”

Pyrak-Nolte, Laura J; physics & astronomy, from Sandia National Laboratories, \$88,845, “Advanced Detection of Wellbore Failure for Safe and Secure Utilization of Subsurface Infrastructure.”

Raghunathan, Anand; electrical & computer engineering, from IBM, \$15,000, “NEC Laboratories Unrestricted.”

Ratliff, Timothy L; comparative pathobiology, from Indiana University, \$25,066, “Immunomodulation by Dietary Protein Restriction; Amendment 1; Grant 11000798.”

Reklaitis, Gintaras V; Gonzalez, Marcial; Nagy, Zoltan and Mort, Paul R; chemical engineering, mechanical engineering, materials engineering, from National Institute for Pharmaceutical Technology and Education, \$290,000, “Comprehensive Training Program in Continuous Solid Dose Manufacturing.”

Ribeiro, Fabio H; chemical engineering, from Clariant Corporation, \$30,000, “Center for Innovative and Strategic Transformation of Alkane Resources (CISTAR) Industrial Consortium.”

Ribeiro, Fabio H; chemical engineering, from Pioneer Oil Company, \$15,000, “Center for Innovative and Strategic Transformation of Alkane Resources (CISTAR) Industrial Consortium.”

Ribeiro, Fabio H; chemical engineering, from Braskem, \$5,000, “Center for Innovative and Strategic Transformation of Alkane Resources (CISTAR) Industrial Consortium.”

Ribeiro, Fabio H; chemical engineering, from Swift Fuels LLC, \$5,000, “Center for Innovative and Strategic Transformation of Alkane Resources (CISTAR) Industrial Consortium.”

Ribeiro, Fabio H; chemical engineering, from Air Liquide, \$30,000, “Center for Innovative and Strategic Transformation of Alkane Resources (CISTAR) Industrial Consortium (40001938).”

Richert to Varala

Richert, Brian T; animal sciences, from Diamond V Mills, Inc., \$40,000, "Swine Research."

Robbins, Cindy L; nursing administration, from Indiana Campus Compact, \$3,800, "Project F.A.S.T. (Fundamental after School Training)."

Roy, Kaushik; electrical & computer engineering, from Semiconductor Research Corporation, \$3,077,160, "C-BRIC: Center for Brain-Inspired Computing Enabling Autonomous Intelligence; Amendment 6."

Sadeghi, Farshid; mechanical engineering, from Ford Motor Company, \$74,223, "Multi Sponsored – Voluntary Support."

San Martin-Gonzalez, Maria Fernanda; food science, from Heartland Food Products Group, \$3,500, "Multi-Sponsor Gift Funds."

Savaiano, Dennis A; nutrition science, from Indiana University, \$2,500, "Improving Health of Americans (Cardiovascular/Diabetes)."

Schinckel, Allan P; Johnson, Jay S and Stwalley, Robert M; animal sciences, agricultural & biological engineering program, from National Pork Board, \$5,000, "Evaluation of Changes in Heat Production of Lactating Sows with Use of Statement of Work (SOW) Cooling Pads."

Schoenlein, William E; biomedical engineering, from Cook Research Incorporated, \$83,469, "Pre-Clinical Evaluation Testing Agreement Studies: CMH-R18A, CMH-ECS3, CMH-BDPD, CMH-INDY, CMH CPRP, POC and Sentinels."

Sen, Shreyas; electrical & computer engineering, from Intel Corporation, \$100,000, "Multi-Sponsored Industrial."

Shang, Lizhi and Vacca, Andrea; agricultural & biological engineering program, from Pioneer Oil Company, \$25,333, "Investigation of Opportunities for Wasted Energy Harvesting in Petroleum Applications."

Shang, Lizhi and Vacca, Andrea; agricultural & biological engineering program, from Purdue Research Foundation, \$72,914, "Investigation of Opportunities for Wasted Energy Harvesting in Petroleum Applications."

Shaver, Gregory M; mechanical engineering, from Cummins, Inc., \$475,000, "Study of Variable Valve Actuation (VVA) Technology on a Stoichiometric Spark Ignited Engine."

Sheehan, Amy Heck; pharmaceutical practice, from Food and Drug Administration, \$40,000, "Intergovernmental Personnel Assignment (IPA) Assignment Agreement for Regulatory Pharmaceutical Fellowship – Megan Cuomo."

Shin, Yung C; mechanical engineering, from Tennessee Technology University, \$218,327, "Development of Corrosion- and Erosion-Resistant Coatings for Advanced Ultra-Supercritical Materials."

Sinfield, Joseph V; civil engineering, from National Renewable Energy Laboratory, \$39,333, "Technology Innovation and Advancement Pathways for Marine Energy."

Sintim, Herman O; chemistry, from Kinarx, LLC, \$4,000, "Multi Sponsor – Voluntary Support."

Siskind, Jeffrey M; electrical & computer engineering, from IBM, \$176,065, "Purdue Subcontract for the IBM Proposal to Intelligence Advanced Research Projects Activity (IARPA) Deep Intermodal Video Analytics (DIVA) – Modification 5 for Grant #13000609, PO #4700059853."

Sivasankar, Preeti Mahalakshmi; speech, language & hearing sciences, from Indiana Lions Speech and Hearing Inc., \$4,500, "2020 Increase: Clinical Support for Speech-Language-Audiology Services from the Indiana Lions Club (40001192)."

Snyder, Margie E; pharmaceutical practice, from University of Cincinnati, \$15,920, "Ohio Valley Node-Network (OVNN) of the Nida Clinical Trials Network."

Solomon, Kevin V; agricultural & biological engineering program, from Nanochem Solutions Inc, \$10,000, "Multi Sponsored Program."

Song, Xiaohui Carol; IT research computing, from University of Illinois at Champaign-Urbana, \$290,713, "Extreme Science and Engineering Discovery Environment (XSEDE) 2.0: Integrating, Enabling and Enhancing National Cyberinfrastructure with Expanding Community Involvement."

Subbarayan-Shastri, Ganesh; mechanical engineering, from Semiconductor Research Corporation, \$400,000, "Nonlinear Multi-scale Modeling for Back End of Line (BEOL) Structures; Amendment 1 for Grant #40002579."

Taheripour, Farzad; agricultural economics, from National Bio-diesel Board, \$40,000, "Land Use Change and Economic Analysis Research Proposal."

Talbert, Brian Allen; agricultural sciences education & communication, from National FFA Organization, \$1,390, "Assessing College and Career Readiness Factors for National FFA (Future Farmers of America) Members."

Tarko, Andrew P; Romero, Mario A and Thomaz, Jose E; civil engineering, from Indiana Criminal Justice Institute, \$115,000, "Indiana Safety Belts Survey and Codes Project."

Telenko, Darcy E P; botany & plant pathology, from AMVAC Chemical Corporation, \$2,500, "Extension Voluntary Support."

Telenko, Darcy E P; botany & plant pathology, from BASF Corporation, \$22,400, "Extension Voluntary Support."

Tomar, Vikas; aeronautics & astronautics, from Ross Graduate Fellowship-Assistantship, \$1,527, "Coghlan, Jesslyn A."

Tormoehlen, Roger L; agricultural & biological engineering program, from John Deere Agricultural US, \$2,500, "Multi Sponsored Gift."

Tuinstra, Mitchell R; agronomy, from Ag Alumni Seed Improvement Association, \$100,000, "Ag Alumni Seed Transportation Energy Resources from Renewable Agriculture (TERRA)2."

Tzempelikos, Athanasios; civil engineering, from Lutron Electronics Co Inc, \$30,000, "Architectural Engineering – Tzempelikos."

Vacca, Andrea; agricultural & biological engineering program, from NFPA Education and Technology Foundation, \$12,500, "Multi Sponsored Gift."

Varala, Kranthi K; horticulture & landscape architecture, from Cold Spring Harbor Laboratory, \$79,114, "Research-PGR: Living Fossils: Applying Advances in Single Molecule Sequencing to Decode Large and Complex Genomes of Ancient Plant Lineages (Amend 1) 10001460."

Wang to Zhou

Wang, Haiyan; materials engineering, from Office of Naval Research, \$80,001, “Probe the Defect Generation and Propagation Mechanisms in Flash Sintered High Temperature Ceramics via in Situ Transmission Electron Microscopy (TEM).”

Weibel, Justin A; mechanical engineering, from Dow Chemical Company, the, \$7,500, “Cooling Technologies Research Center (CTRC).”

Weibel, Justin A; mechanical engineering, from Red Bull Technology Ltd, \$30,000, “Cooling Technologies Research Center (CTRC).”

Weibel, Justin A; mechanical engineering, from Intel Corporation, \$15,000, “Cooling Technologies Research Center (CTRC).”

Wharry, Janelle P; nuclear engineering, from Oak Ridge Associated Universities, \$4,000, “Event Sponsorship Program: Materials in Nuclear Energy Systems (MINES) Conference.”

Wilker, Jonathan J; chemistry, from Office of Naval Research, \$13,426, “Making Higher Performance Adhesives that Are Charged, Debondable, and Tough – Modification 1 for Grant #13000749.”

Wilker, Jonathan J and Schmidt, Gudrun; chemistry, from Leidos, \$52,219, “Biomimetic Underwater Adhesives.”

Williams, Rod N; forestry & natural resources, from the Nature Conservancy, \$6,600, “Voluntary Support.”

Xu, Dongyan; computer science, from Ross Graduate Fellowship-Assistantship, \$20,065, “Cheng, Zhiyuan.”

Xu, Yunlin; nuclear engineering, from University of Michigan, \$50,139, “Support for Purdue Advanced Reactor Core Simulator (PARCS) Sodium-Cooled Fast Reactor (SFR) Development.”

Ye, Peide; electrical & computer engineering, from Intel Corporation, \$120,000, “Ferroelectric Semiconductor Indium Selenide (In₂Se₃) for Non-Volatile Memory Applications.”

Young, Bryan G; botany & plant pathology, from West Central, \$5,400, “Multi Sponsored Gift Account.”

Young, Bryan G; botany & plant pathology, from Chemorse, Ltd, \$5,600, “Multi Sponsored Gift Account.”

Zhang, Jiansong and Lu, Yung-Hsiang; construction management technology, electrical & computer engineering, from University of Illinois at Champaign-Urbana, \$104,914, “Research Advanced by Interdisciplinary Science and Engineering (RAISE): Convergence Accelerator (C-Accel) Pilot – Track A1 (Open Knowledge Network): Civil Infrastructure Systems Open Knowledge Network (CIS-OKN).”

Zhang, Zhong-Yin; medicinal chemistry & molecular pharmacology, from Tyligand Bioscience Ltd, \$620,000, “Tyligand Sponsored Research.”

Zhou, Chenn Qian; mechanical & civil engineering, from NiSource Energy Technologies, \$45,000, “Steel Manufacturing Visualization and Simulation Consortium (SMVSC) Membership.”

Zhou, Chenn Qian; mechanical & civil engineering, from Arce-lormittal USA, \$45,000, “Steel Manufacturing Visualization and Simulation Consortium (SMVSC) Membership.” ■

Notice Regarding Sponsored Program Awards

The Sponsored Program Awards list is generated by Sponsored Program Administration. Questions concerning the information contained in these pages should be directed to Stephanie Willis at swillis@purdue.edu. ■