Abbott to Bigelow

Abbott, Angela R; health & human sciences administration, from Oak Heritage Conservancy Inc, $406, “Multi Sponsor Voluntary Support.”

Aime, Mary Catherine and Haelewaters, Danny; botany & plant pathology, from Indiana Academy of Science, $3,000, “A Survey of Crust Fungi in Indiana (Fungi, Agaricomycetes).”

Aime, Mary Catherine; botany & plant pathology, from International Tropical Timber Org, $5,100, “Aime Voluntary Support.”

Aime, Mary Catherine; botany & plant pathology, from Mycological Society of America, $5,000, “Aime Voluntary Support.”

Ajuwon, Kolapo; animal sciences, from Adisseo, $100,000, “Environmental Effects on Efficacy of Carbohydrase Admixture (Xylanase-Arabinofuranosidase and ?-Glucanase) in Growing Pigs Fed Wheat-Based Diet.”


Ajuwon, Kolapo; animal sciences, from Biomatrix Inc, $15,000, “Swine Research.”

Alexeenko, Alina; aeronautics & astronautics, from Merck Serono, $10,000, “LyoHub Consortium (Merck Serono S.Pa).”

Alexeenko, Alina; aeronautics & astronautics, from Medimmune, Inc, $10,000, “LyoHub Consortium-Medimmune LLC.”

Alexeenko, Alina; aeronautics & astronautics, from University of Delaware, $2,000, “LyoHub Consortium.”

Aliaga, Daniel G and Niyogi, Devdutta S; computer science, agronomy, from University Corp Advancement Internet Development, $80,990, “Building Clouds: Worldwide Building Typology Modeling from Images.”

Allert, Beate I; language & culture, from Lynn Interdisciplinary Graduate Fellowship, $25,609, “Wang, Lang (OIGP).”

Anderson, Gina M; field extension, from Scott County Visitors Commission, $125, “Southeastern Indiana Llama and Alpaca Conference.”

Anderson, Joseph M; agronomy, from Samuel J. Fry, $150, “Indiana Arborists Association, Inc.”

Bahr, David F; materials engineering, from Purdue Doctoral Program, $31,959, “Rutherford, Bethany.”

Bailey, Regan K; Bhadra, Anindya and Eicher-Miller, Heather A; nutrition science, statistics, from National Institutes of Health, $331,894, “Development of a Total Nutrient Index.”

Bailey, Regan K; nutrition science, from Taylor C Wallace, $11,250, “Think Healthy Voluntary Support – Bailey.”

Baldos, Uris Lantz C; agricultural economics, from Breakthrough Prize Foundation, $24,661, “Analysis of Environmental Impacts of US R&D Scenarios.”


Banuelos, Rodrigo; mathematics, from National Science Foundation, $300,000, “Sharp Inequalities.”

Bean, Robert S; nuclear engineering, from U.S. Department of Energy, $155,000, “Cooperative Agreement to Host DOE Fellows and Scholars at Purdue University – Nicholas Termini.”

Beaulieu, Lionel J; Wiltse, Maria F and Wilcox, Michael D; agricultural economics, I-STEM, field extension agents, from Indiana Office of Community & Rural Affairs, $25,000, “Project 3: Enhancing Community and Regional Capacity and Resources: the Regional Stellar Communities Program: Coaching Activities.”

Beckerman, Janna L; botany & plant pathologyology, from Bayer Corporation, $9,100, “Indiana Arborists Association, Inc.”

Beckerman, Janna L; botany & plant pathology, from BASF Corporation, $8,000, “Indiana Arborists Association, Inc.”

Beckerman, Janna L; botany & plant pathology, from Sepro Corporation, $7,000, “Indiana Arborists Association, Inc.”

Beckerman, Janna L; botany & plant pathology, from BASF Corporation, $8,500, “Indiana Arborists Association, Inc.”

Behrens, Sandra R; college of nursing administration, from Indiana University, $19,169, “Northwest Indiana Area Health Center State Funds Increase.”

Bentley, Robin T; veterinary clinical sciences, from University of Alabama at Birmingham, $38,088, “Canine (Canine Immunoneurotherapeutics Trial).”

Bigelow, Cale A; horticulture & landscape architecture, from Mountain View Seeds LLC, $500, “Putting Greens Research.”

Bigelow, Cale A; horticulture & landscape architecture, from Helena Agri-Enterprises, LLC, $1,875, “Putting Greens Research.”

Bigelow, Cale A; horticulture & landscape architecture, from Midwest Regional Turf Foundation, $30,000, “MRTF Gift Account.”
Bolin to Bolin

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $30,657, “19-20 Purdue Research Foundation (PRF) Research Grants (60000025).”

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $10,400, “Fy19-20 Purdue Research Foundation (PRF) Summer Faculty Grants (60000024).”

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $10,400, “Fy19-20 Purdue Research Foundation (PRF) Summer Faculty Grants (60000024).”

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $1,113,635, “19-20 Purdue Research Foundation (PRF) Research Grants.”

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $10,400, “Fy19-20 Purdue Research Foundation (PRF) Summer Faculty Grants (60000024).”

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $30,657, “19-20 Purdue Research Foundation (PRF) Research Grants (60000025).”

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $10,400, “Fy19-20 Purdue Research Foundation (PRF) Summer Faculty Grants (60000024).”

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Bolin, Jeffrey T; Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $30,657, “19-20 Purdue Research Foundation (PRF) Research Grants (60000025).”

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $30,657, “19-20 Purdue Research Foundation (PRF) Research Grants (60000025).”
### Bolin to Buckmaster

**Bolin, Jeffrey T.** Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $30,657, “19-20 Purdue Research Foundation (PRF) Research Grants (60000025).”

**Bolin, Jeffrey T.** Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $10,400, “Fy19-20 Purdue Research Foundation (PRF) Summer Faculty Grants (60000024).”

**Bolin, Jeffrey T.** Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $30,657, “19-20 Purdue Research Foundation (PRF) Research Grants (60000025).”

**Bolin, Jeffrey T.** Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $30,657, “19-20 Purdue Research Foundation (PRF) Research Grants (60000025).”

**Bolin, Jeffrey T.** Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $30,657, “19-20 Purdue Research Foundation (PRF) Research Grants (60000025).”

**Bolin, Jeffrey T.** Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $30,657, “19-20 Purdue Research Foundation (PRF) Research Grants (60000025).”

**Bolin, Jeffrey T.** Executive Vice President for Research & Partnerships Administration, from Purdue Research Foundation, $30,657, “19-20 Purdue Research Foundation (PRF) Research Grants (60000025).”


**Boor, Brandon E.** civil engineering, from American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), Inc, $15,346, “Reproducing a Representative Urban Atmospheric Aerosol Distribution at High Concentration in the Laboratory for Air Filter Ageing to Be Used in American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) GPC 35P for Determining the.”

**Boudouris, Bryan W and Savoie, Brett.** chemical engineering, from Air Force Office of Scientific Research, $198,702, “Manipulating the Spatial, Charge Transfer, and Energetic Interactions of Open-Shell Moieties in Multifunctional, Low Glass Transition Temperature Radical Polymers.”

**Bouman, Charles A; Buzzard, Gregory T; Chan, Stanley H and Simpson, Garth J.** electrical & computer engineering, mathematics, chemistry, from National Science Foundation, $300,000, “CIF: Medium: Multi-Agent Consensus Equilibrium: Modular Methods for Integrating Disparate Sources of Expertise.”

**Braun, James E.** mechanical engineering, from Kulthorn Kirby, $25,000, “Center for High Performance Building Consortium (Kulthorn Kirby PCL.).”

**Braun, James E.** mechanical engineering, from Belimo Holding Ag, $50,000, “Center for High Performance Building Consortium (Belimo Holding AG).”

**Braun, James E.** mechanical engineering, from Whirlpool Corp, $25,000, “Center for High Performance Building Consortium (Whirlpool Corp).”

**Brooke, Jarred M.** forestry & natural resources, from Huntington Cty Soil Water Conservation District, $150, “Voluntary Support – Brooke.”

Buhman to Field

**Buhman, Kimberly K:** nutrition science, from University of Western Ontario, $5,000, “EfEa1 and Non-Alcoholic Fatty Liver Disease.”

**Bullock, Darcy M:** civil engineering, from Indiana Department of Transportation, $25,000, “Apt Capital Expenditure Account.”

**Byrn, Stephen Robert** and **Clase, Kari L:** industrial & physical pharmacy, technology leadership and innovation, from National Institute for Pharmaceutical Technology and Education, $319,989, “Pharmaceutical Quality Scorecards.”

**Campbell, Noll L:** pharmaceutical practice, from PHS-NIH National Institute on Aging, $691,971, “Reducing Risk of Dementia through De-Prescribing (R2D2).”

**Campbell, Wayne W:** nutrition science, from University of Texas Medical Branch, $12,347, “A Meal-Based Comparison of Protein Quality, Complementary Proteins and Muscle Anabolism.”

**Cannon, Jason R** and **Rochet, Jean-Christophe:** health sciences, medicinal chemistry & molecular pharmacology, from PHS-NIH National Institute of Environment Health Science, $348,071, “Mecanisms of Phip-Induced Dopaminergic Neurotoxicity.”

**Carroll, Chad C:** health & kinesiology, from PHS-NIH National Institute of Arthritis and Musculoskeletal and Skin Diseases, $45,016, “Diabetes, Advanced Glycation, and Tendinopathy.”

**Casteel, Shaan N:** agronomy, from Fluid Fertilizer Foundation, $5,000, “Soybean Extension Research.”

**Casteel, Shaan N:** agronomy, from Indiana Soybean Alliance, $76,000, “Sulfur Synergies in Soybean Management: Year 2.”

**Casteel, Shaan N:** agronomy, from BASF Corporation, $12,500, “Soybean Extension Research.”

**Casteel, Shaan N:** agronomy, from Helena Agri-Enterprises, LLC, $9,500, “Soybean Extension Research.”

**Christian, John A:** comparative pathology, from Western University of Health Sciences, $1,885, “Cytology Resource Center.”

**Christian, John A:** comparative pathology, from Western University of Health Sciences, $9,425, “Cytology Resource Center (40001198).”

**Comer, Douglas E:** computer science, from Defense Advanced Research Projects Agency, $418,788, “DCnet: a Scalable Data Center Network Architecture.”

**Connor, Robert J** and **Dick, Stephen M:** civil engineering, from Gannett Fleming Inc, $80,060, “Development and Qualification of Ut Inspection Procedures for Njtia Bridge No. P0.00.”

**Connor, Robert J:** civil engineering, from Indiana Department of Transportation, $225,000, “Development of an Integrated Unmanned Aerial Systems (UAS) Validation Center (21000236).”

**Dadarlat, Marius D:** mathematics, from National Science Foundation, $61,608, “Operator Algebras, Groups and Topological Invariants.”

**Deering, Amanda J:** food science, from Sterilex, $2,700, “Multi Sponsored Gift Account.”

**Deering, Amanda J:** food science, from Institute of Food Technologists, $3,000, “IFT Research Award.”

**DeLaurentis, Daniel A; Ezr, Kristopher L** and **Raz, Ali Khalid:** aeronautics & astronautics, from Science Applications International, $75,000, “SAIC Mod 12 Ti 204 CPS.” (a Discovery Park award – Institute for Global Security and Defense Innovation)

**DeLaurentis, Daniel A:** aeronautics & astronautics, from Leidos, $28,942, “Based Trajectory Design for High-Speed Attack Munitions; Amendment 7; Grant 13000517.”

**DeWoody, James Andrew:** forestry & natural resources, from Texas A&M AgriLife Research, $26,082, “Conservation Genetics and Genomics of Massasauga Rattlesnakes (Sistrurus Tergeminus Edwardsii).”

**Donkin, Shawn S:** animal sciences, from Novus International Inc., $66,696, “Evaluation of Supplemental Methionine Hydroxy Analog with or without Cinnamaldehyde and Garlic Oil on Lactation Performance in Dairy Cattle.”

**Egel, Daniel S:** botany & plant pathology, from Biosafe Systems, LLC, $3,200, “Potassium Management.”

**Egel, Daniel S:** botany & plant pathology, from Certis USA LLC, $3,000, “Potassium Management.”

**Egel, Daniel S:** botany & plant pathology, from Stoller Enterprises, Inc., $7,000, “Potassium Management.”

**Ekenstedt, Kari J:** basic medicine science, from Morris Animal Foundation, $5,000, “Genetic Investigation of Congenital Hypomyelinating Polyneuropathy in Golden Retrievers.”


**Elliott, Julie L:** earth, atmospheric and planetary sciences, from Columbia University, $21,065, “Tectonic and Magmatic Processes During Early-Stage Rifting: An Integrated Study of Northern Lake Malawi, Africa.”

**Emmons, Amanda J:** business offices, from National 4-H Council, $2,484, “4-H Youth Programs.”

**Engel, Bernard A:** agricultural & biological engineering program, from Agricultural Research Service, $85,000, “WEPP Model Development, Testing and Support.”

**Erasmus, Marisa A** and **Ni, Jiqin:** animal sciences, agricultural & biological engineering program, from U.S. Poultry & Egg Association, $79,879, “Improving Cage Free Air Quality, Hen Welfare and Egg Quality with Artificial Turf and a Manure Removal System.”

**Eremenko, Alexandre:** mathematics, from National Science Foundation, $71,789, “Geometric Methods in the Analytic Theory of Differential Equations.”

**Farkas, Brian E:** food science, from Doucette, Jarrod & Suzanne, $105, “Multi Sponsored Gift Fermentation.”

**Field, William E:** agricultural & biological engineering program, from Farm Credit Services of Mid-America, ACA, $12,000, “Breaking New Ground.”

**Field, William E:** agricultural & biological engineering program, from Life Essentials, LLC, $3,668, “Breaking New Ground.”
Flaherty to Hogenesch

Flaherty, Daniel P; Das, Chittaranjan and Ha, Lisha; medicinal chemistry & molecular pharmacology, chemistry, from University of Rochester, $390,074, “Antibacterial Inhibitors of RnpA; Amendment 1; Grant 11000752.”

Fox, Edward A; psychological sciences, from Prader-Willi Syndrome Association USA, $75,598, “Enhancing Satiation Signaling to Reduce Overeating and Obesity in Prader-Willi Syndrome.”

Fruhe, Carolin E; aeronautics & astronautics, from Applied Optimization, Inc, $29,968, “Data Integrity for SSA.”

Fullkerson, Christopher M and Ogata, Niwako; veterinary clinical sciences, from Healthy Hemp Pet Company, $36,552, “Pharmacokinetics and Toxicity of a Commercially Available CBD Oil Product in Laboratory Dogs.”

Garimella, Suresh V; genetics and Toxicity of a Commercially Available CBD Oil Product in Laboratory Dogs.”

Garth, J and Heather A; computer science, from National Science Foundation, $2,500, “Climatological Monitoring of Ultraviolet Radiation.”

Grant, Richard H; agronomy, from Colorado State University, $2,500, “Climatological Monitoring of Ultraviolet Radiation.”

Groll, Eckhard A; Kurtulus, Orkan and Ziviani, Davide; education administration, mechanical engineering, from Solvay Specialty Polymers USA, LLC, $69,020, “Polymer Cylinder Head Pressure Testing.”

Guan, Wenjing; horticulture & landscape architecture, from Sostena Inc, $2,400, “General Research Activities.”

Guan, Wenjing; horticulture & landscape architecture, from United Genetics Seed Company, $700, “General Research Activities.”

Guan, Wenjing; horticulture & landscape architecture, from Syngenta Seeds, Inc., $1,500, “General Research Activities.”

Guan, Wenjing; horticulture & landscape architecture, from Seedway, $1,500, “General Research Activities.”

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

Gupta, Sumeet Kumar; electrical & computer engineering, from Pennsylvania State University, $92,782, “E2CDA: Type II: 2D Electrostrictive FETs for Ultra-Low Power Circuits and Architectures.”

Guzey, Sukru; civil engineering, from Baker Consulting Group, $7,600, “Analysis and Design of Fixed Equipment.”

Hamaker, Bruce R and Ricker-Gilbert, Jacob E; food science, agricultural economics, from Agency for International Development, $749,327, “Phase II – Sustainable Reduction of Post-Harvest Losses in Feed the Future Countries through Technologies and Innovations that Link Farmers to Markets: Focus on Kenya and Senegal.”

Hamilton, Roy L; Education Opportunities Program, from U.S. Department of Education, $627,981, “Purdue University Northwest Upward Bound Program.”

Harbin, Sherry L and Puls, Theodore J; basic medicine science, biomedical engineering, from Geniphys LLC, $30,000, “Collymer Sheet Production and Testing.”

Hartman, Nathan W; computer graphics technology, from Textron, Inc., $50,000, “Product Lifecycle Management Center of Excellence (PLM).”

Hartman, Nathan W; computer graphics technology, from Rockwell Collins, $50,000, “Product Lifecycle Management Center of Excellence (PLM).”

Hertel, Thomas W; agricultural economics, from Executive Office of the President, $20,435, “Global Trade Analysis Project (GTAP) Consortium (Council of Economic Advisors).”

Hertel, Thomas W; agricultural economics, from Massachusetts Institute of Technology, $20,435, “Global Trade Analysis Project (GTAP) Consortium (MIT).”

Hertel, Thomas W; agricultural economics, from World Bank, $20,435, “Global Trade Analysis Project (GTAP) Consortium (WB).”

Hertel, Thomas W; agricultural economics, from Centre Deutes Prosp Et Dinfo International, $20,435, “Global Trade Analysis Project (GTAP) Consortium (CEPII).”

Hogenesch, Harm and Asem, Elikplimi K; veterinary medicine administration, basic medicine science, from Boehringer Ingelheim Animal Health Inc., $15,000, “Boehringer Ingelheim Veterinary Scholars Program.”
Hook to Matson


Hook, Tomas O and Beugly, Jayson S; forestry & natural resources, from U.S. Department of Interior, $48,000, “Development and Evaluation of Methods for Custodial Maintenance of Fish Spawning Reefs- Year 2 Funds.”

Hoverman, Jason T; forestry & natural resources, from National Science Foundation, $7,000, “Collaborative Research: Disease Ecology in the Midst of Anthropogenic Stressors: Exploring the Influence of Pesticides on Host-Parasite Interactions.”

Hu, Changdeng; medicinal chemistry & molecular pharmacology, from PHS-NIH National Cancer Institute, $497,903, “Role and Targeting of PRMT5 in Prostate Cancer.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Company, $6,930, “Weed Science Research Voluntary Support.”

Johnson, William G; botany & plant pathology, from Agrimetics, $6,600, “Weed Science Research Voluntary Support.”

Johnson, William G; botany & plant pathology, from Valient Biosciences Corporation, $23,000, “Weed Science Research Voluntary Support.”


Kaj, Aniket Pundlik; computer science, from Torus Labs Ltd, $29,975, “Multi Voluntary Support.”

Kate, Aniket Pundlik; computer science, from Keyless Technologies Ltd, $17,500, “Multi Voluntary Support.”

Kazemian, Abdolmajid; biochemistry, from PHS-NIH National Heart, Lung & Blood Institute, $249,000, “Expression, Regulation and Role of Enhancer RNAs in T Cells.”


Kildishev, Alexander V; electrical & computer engineering, from Pennsylvania State University, $302,500, “ACTEOM – Advanced Computational Toolkit for Engineered Optical Materials; Amendment 6.”

Kim, Young L; biomedical engineering, from Air Force Office of Scientific Research, $100,000, “Integrated Approaches of Physically Unclonable Cryptographic Primitives Using Random Lasers and Optoelectronics.”

Krupke, Christian H; entomology, from United Soybean Board, $281,818, “Evaluating a Novel Seed Lubricant to Reduce Dust-Off During Planting.”

Kuang, Shihuan; Elzey, Bennett D and Konieczny, Stephen F; animal sciences, comparative pathobiology, biological sciences, from PHS-NIH National Cancer Institute, $343,925, “Notch Signaling in Liposarcoma.”

Langenhoven, Petrus; horticulture & landscape architecture, from Mint Industry Research Council, $5,000, “Mint Industry Research.”

Lee, Kyoungsoo; physics & astronomy, from National Aeronautics and Space Administration, $121,460, “The Rise and Fall of Dusty Star Formation in Clusters and Protoclusters Measured by Herschel and Wise.”

Lee, Kyoungsoo; physics & astronomy, from National Aeronautics and Space Administration, $121,460, “The Rise and Fall of Dusty Star Formation in Clusters and Protoclusters Measured by Herschel and Wise.”

Lempert, Laslo; mathematics, from National Science Foundation, $90,550, “Complex Analysis and Geometry.”

Liceaga, Andrea M; food science, from Impossible Foods Inc., $7,500, “Multi Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Talking Rain Beverage Company, $2,000, “Multi Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from The Wornick Company, $6,000, “Multi Sponsored Gift- Sensory.”

Lin, Xiaozhu; electrical & computer engineering, from National Science Foundation, $99,719, “Faculty Early Career Development (CAREER): A Trustworthy and Verifiable Software Backplane for the Cloud Edge.”

Lyutikov, Maxim Y and Route, Matthew P; physics & astronomy, research computing administration, from Fund for Astrophysical Research, $2,975, “Brown Dwarfs Magnetism.”

Mahmoudian, Nina; mechanical engineering, from National Science Foundation, $90,741, “Faculty Early Career Development (CAREER): Autonomous Underwater Power Distribution System for Continuous Operation.”

Manfra, Michael James; electrical & computer engineering, from Microsoft Corporation, $1,546,610, “Microsoft Quantum Computing – Year 2 Revision.” (a Discovery Park award – Birck Nanotechnology Center)

Matson, Eric T and Smith, Anthony H; computer information technology, from Jeju National University, $51,200, “Purdue Jeju National Software Oriented University Summer Program 2019.”

Matson, Eric T and Smith, Anthony H; computer information technology, from Dongguk University, $25,600, “Purdue Dongguk Software Oriented University Summer Program 2019.”

Matson, Eric T and Smith, Anthony H; computer information technology, from Kyung Hee University, $10,240, “Purdue Kyung Hee Software Oriented University Summer Program 2019.”

Matson, Eric T and Smith, Anthony H; computer information technology, from Kyungpook National University, $25,600, “Purdue Kyungpook Software Oriented University Summer Program 2019.”

Matson, Eric T and Smith, Anthony H; computer information technology, from Chung-Ang University, $20,480, “Purdue Chung-Ang University Software Oriented University Summer Program 2019.”
Matson to Pujol

Matson, Eric T and Smith, Anthony H; computer information technology, from Sejong University, $10,240, “Purdue Sejong Software Oriented University Summer Program 2019.”

Matson, Eric T and Smith, Anthony H; computer information technology, from Sogang University, $30,720, “Purdue Sogang Software Oriented University Summer Program 2019.”

Mauer, Lisa J; Aime, Mary Catherine; Allebach, Jan P; Applegate, Bruce M; Bae, Euiwon; Bhuina, Arun K; Chiu, George T; Deering, Amanda J; Mousoulis, Charilaos; Oliver, Haley F; Peroulis, Dimitrios; Pruitt, Robert E; Rajwa, Bartlomiej P; Robinson, Joseph Paul and Stanciu-Gregory, Lia A; food science, botany & plant pathology, electrical & computer engineering, mechanical engineering, basic medicine science, materials engineering, from Agricultural Research Service, $844,837, “Advanced Development of Innovative Technologies and Systematic Approaches.”

McDaniel, Rebecca S; civil engineering, from North Dakota State University, $4,300, “Perpetual Pavement Training for North Dakota.”

McLuckey, Scott A; chemistry, from Eastman Chemical Company, $7,000, “Eastman Foundation – Co-Op Student Caitlin Randolph.”

Mei, Jianguo; chemistry, from National Science Foundation, $107,796, “Faculty Early Career Development (CAREER): Impact of Flow-Induced Chain Alignment in Melt-Processed Complementary Semiconducting Polymer Blends.”

Meyer, Scott E; mechanical engineering, from Inspace, LLC, $112,042, “LOX/LH4 Aerospike Testing on the 10k Stand.”


Mishra, Dharmendra K; food science, from Amcor Rigid Plastics USA, LLC, $9,400, “Multi Sponsored Gift.”


Mutchler, Jane F; business administration, from Indiana Economic Development Corporation, $237,101, “Northeast Indiana Small Business Development Center 2019 (Federal Funds & PNW Match).”

Nagy, Zoltan; chemical engineering, from Takeda Pharmaceutical International Inc US Region, $150,000, “Crystallization Monitoring.”

Neumeister, Norbert; physics & astronomy, from Princeton University, $20,000, “US Compact Muon Solenoid (CMS) Purdue University for Activities Related to US Compact Muon Solenoid (CMS) Common Operations.”

Ni, Jiqin; agricultural & biological engineering program, from Bio Town Ag Inc, $2,000, “Multi-Sponsored Gift Account.”

Ohaire, Margaret E; comparative pathobiology, from Purdue Doctoral Program, $31,959, “Jensen, Clare, Lydia.”

Ohaire, Margaret E; comparative pathobiology, from Ross Graduate Fellowship-Assistantship, $31,959, “Nieforth, Leanne O.”

Olenchak, F Richard; educational studies, from Purdue University F N Andrews Fellowship, $25,930, “Chiang, Alice.”

Olenchak, F Richard; educational studies, from Ross Graduate Fellowship-Assistantship, $31,270, “Grant, Janelle, Brittany.”

Olenchak, F Richard; educational studies, from Ross Graduate Fellowship-Assistantship, $31,270, “Yang, Yao.”

Oliver, Haley F; food science, from Diversey, Inc, $45,126, “Study 10.1.2: Risk of Cross Contaminating a 2m Sterile Surface (P. Aeruginosa and C. Difficile).”

Oliver, Haley F; food science, from Diversey, Inc, $37,635, “Study 10.1.1 Disinfectant Wipes and Risk of Cross-Contamination on Surfaces Inoculated with Staphylococcus Aureus.”


Parashar, Neeti; chemistry & physics, from University of Notre Dame, $3,600, “QuarkNet Program at Purdue University Northwest.”

Pastakia, Sonak D; pharmaceutical practice, from New York University, $23,931, “Bridging Income Generation with Group Integrated Care.”

Patton, Aaron J; horticulture & landscape architecture, from Pioneer Hi-Bred International, Inc, $7,000, “Assessment of Rinskor Herbicide #2019-02.”

Pekarek, Steven D; electrical & computer engineering, from Kohler Company, $22,000, “Kohler – Student Assist.”

Peng, Chunyi; computer science, from National Science Foundation, $123,463, “Faculty Early Career Development (CAREER): Amplifying Intelligence in Mobile Networked Systems.”

Peroulis, Dimitrios; electrical & computer engineering, from Harris Corporation, $75,000, “Center for Electronic Defense Systems (CEDS) Consortium (Harris Corp.).” (a Discovery Park award – Birck Nanotechnology Center)

Peroulis, Dimitrios; electrical & computer engineering, from Landauer Inc., $75,000, “Center for Electronic Defense Systems (CEDS) Consortium (Landauer).” (a Discovery Park award – Birck Nanotechnology Center)

Pinal, Rodolfo; industrial & physical pharmacy, from Abbvie Inc, $40,000, “Center for Pharmaceutical Processing Research Consortium (Abbvie Inc.).”

Pipes, R Byron; Barocio Vaca, Eduardo and Favaloro, Anthony J; materials engineering, Composites Manufacturing & Simulation Center, from Idaho National Laboratory, $30,000, “Macroscopic Modeling for Additive Manufacturing of Stainless Steel.”

Pothen, Alex; computer science, from Pacific Northwest National Laboratory, $118,063, “Exagraph: Combinatorial Methods for Enabling Exascale Applications, Mod 3; Grant 14000319.”

Prabhakar, Sunil K; computer science, from National Physical Science Consortium, $5,000, “NPSC Fellowship for Amber Johnson (40001322).”

Prokopy, Linda S; forestry & natural resources, from Nature Conservancy, the, $147,000, “High Stakes Incentive Payments for NOLs.”

Pujol, Santiago; civil engineering, from Wiss, Janney, Elstner Associates, Inc., $2,500, “Tests of #20 (2.5-IN Diameter) Bars and Couplers.”
Purpura to Shakouri

Purpura, David J; human development & family studies, from National Science Foundation, $290,573, “Faculty Early Career Development (CAREER): Mechanisms Underlying the Relation Between Mathematical Language and Mathematical Knowledge.”

Raman, Arvind; Burniske, Andrea E; Burniske, Gary R; Sinfield, Joseph V and Yih, Yuehwen; education administration, global engineering programs, agronomy, civil engineering, industrial engineering, from Agency for International Development, $7,527,110, “LASER Partners for University-LED Solutions Engine (PULSE).”


Rhoads, Jeffrey Frederick; Chiu, George T and Son, Steven F; mechanical engineering, from Defense Threat Reduction Agency, $180,000, “Securemms: Fundamental Research in Microelectromechanical System (MEMS)/Energetic Material Integration.”

Ribeiro, Fabio H; chemical engineering, from Rapid Response Research (RAPID) Manufacturing Institute, $5,000, “Cistar Industrial Consortium (40001938).”

Richert, Brian T and Radcliffe, John Scott; animal sciences, from Azomite Mineral Products Inc, $20,725, “Exploratory Study to Assess the Effect of a Rhyolitic Tuff Breccia (Azomite).”


Riley, Donna M; engineering education, from Ross Graduate Fellowship-Assistantship, $31,959, “Sorg, Anna C.”

Rollock, David; psychological sciences, from Purdue Doctoral Program, $16,509, “Noland, Elisabeth S.”

Rollock, David; psychological sciences, from Ross Graduate Fellowship-Assistantship, $18,688, “Harold,Roslyn,B.”

Rossmann, Michael G and Kuhn, Richard J; biological sciences, from Vanderbilt University, $224,750, “Structural and Functional Basis of Ultra Potent Chkv Neutralization by Human mAbs.”


Salazar, Kara A; Indiana-Illinois Sea Grant, from Radius Indiana Inc, $300, “Voluntary Support- Salazar.”

Sandhage, Kenneth H and Sangid, Michael D; materials engineering, aeronautics & astronautics, from Rolls-Royce Corporation, $61,000, “Fatigue of SiC-Based Composites.”

Sandhage, Kenneth H; materials engineering, from Rolls-Royce Corporation, $110,000, “Chemical Interactions Between Silicon-Based Liquids and Silicon Carbide: Thermodynamic and Kinetic Analyses.”

Sanmiguel, Sandra F; Burgess, Wilella Daniels and Parker, Loran Carleton; veterinary medicine administration, Evaluation and Learning Research Center, education administration, from PHS-NIH Office of the Director, $233,690, “This is How We Role: Inspiring Future Researchers through Veterinary Medicine.”

Sanson, Jeffrey J and Fansler, John W; agricultural economics, agricultural economics Indiana Council for Economic Education (ICEE) extension, from Federal Reserve Bank of Chicago, $25,000, “Money Smart Week Indiana Campaign Coordination & Promotion.”

Savaiano, Dennis A; nutrition science, from Indiana University Purdue University at Indianapolis, $32,000, “Indiana Chronic Disease Coalitions.”

Schellhase, Ellen M; pharmaceutical practice, from Indiana Campus Compact, $1,000, “Low Cost Compression Therapy for Treatment of Lymphedema in Kaposi Sarcoma.”

Schneider, Steven P and Chynoweth, Brandon C; aeronautics & astronautics, from Raytheon, $10,000, “Hypersonic Wind Tunnel Testing of Sensors and Actuators.”

Schneider, Steven P; aeronautics & astronautics, from Air Force Office of Scientific Research, $50,000, “Towards Experimental Measurements of Boundary-Layer Transition at the Holloman Test Track: Initial Planning.”


Scott, David E; Indiana state chemist, from Environmental Protection Agency, $193,448, “FY 2019 Pesticide Cooperative Agreement.”

Searle, Catherine L and Christie, Mark R; biological sciences, forestry & natural resources, from National Science Foundation, $401,363, “Evolutionary Rescue in Response to Infectious Disease: When Will Populations Be Rescued from Pathogens?”

Seigfried-Spellar, Kathryn C and Laux, Dawn D; computer information technology, from National Security Agency, $96,953, “Purdue University Cybersecurity Camp.”

Seleem, Mohamed; comparative pathobiology, from Ross Graduate Fellowship-Assistantship, $31,069, “Wang, Shukun.”

Seleem, Mohamed; comparative pathobiology, from PHS-NIH National Institute of Allergy and Infectious Diseases, $446,984, “Repurposing Auranofin and Ebselen for Treatment of Multidrug Resistant Pathogens.”

Shakouri, Ali; electrical & computer engineering, from Carrier Corporation, $35,000, “Consortium on Printing and Scalable Manufacturing of Aware and Responsive Thin Films (SMART)-Carrier (UTC).” (a Discovery Park award – Birck Nanotechnology Center)
Sheehan to Vacca

Sheehan, Amy Heck; pharmaceutical practice, from PHS-Food and Drug Administration, $40,000, “Intergovernmental Personnel Assignment (IPA) Assignment Agreement for Regulatory Pharmaceutical Fellowship – Jacqueline Wasyczuk.”

Sheehan, Amy Heck; pharmaceutical practice, from PHS-Food and Drug Administration, $40,000, “Intergovernmental Personnel Assignment (IPA) Assignment Agreement for Regulatory Pharmaceutical Fellowship – Kaitlin Montagano.”

Sheehan, Amy Heck; pharmaceutical practice, from Takeda Pharmaceutical International Inc US Region, $162,076, “Purdue/Takeda Pharmaceuticals Early Clinical Trial Operations Fellowship.”


Sutherland, John W; environmental & ecological engineering, from Knauf Insulation, $15,000, “Indiana’s Next Generation Manufacturing Competitiveness Center Focus Area Consortium.”

Tan, Hong Z; electrical & computer engineering, from Google Inc, $46,124, “Google.”

Tarko, Andrew P; civil engineering, from Indiana Department of Transportation, $100,000, “Indiana Department of Transportation (INDOT) Road Network Screening for Safety Needs.”


Taylor, Lynne S; industrial & physical pharmacy, from Abbvie Inc, $504,555, “Understanding and Optimizing Dissolution Performance and Mitigation of Crystallization in High Drug Loading Amorphous Solid Dispersion Formulations.”

Telenko, Darcy E P; botany & plant pathology, from United Phosphorus Inc, $3,000, “Extension Voluntary Support.”

Tesini Roseguini, Bruno; health & kinesiology, from PHS-NIH National Institute on Aging, $190,917, “Heat Therapy for Intermittent Claudication.”


Topp, Elizabeth M; industrial & physical pharmacy, from National Institute for Innovation in Manufacturing Biopharmaceuticals, $76,961, “Improving Lyophilization of Recombinant Proteins with ssHDX-MS.”

Topp, Elizabeth M; industrial & physical pharmacy, from Monon Bioventures LLC, $4,620, “Monon Bioventures- Tollar Support.”

Topp, Elizabeth M; Sharp, Mark E; Alexeenko, Alina and Clase, Kari L; industrial & physical pharmacy, pharmacy administration, aeronautics & astronautics, agricultural & biological engineering program, from National Institute for Innovation in Mf Bio, $50,000, “Online Lyophilization Short Course (NIIMBL).”

Tu, Manghui; computer information technology & graphics, from National Security Agency, $98,747, “Hoosier Gencyber Student Camps Across the State of Indiana.”

Ulrich, Bernd; mathematics, from National Science Foundation, $105,834, “Implicitization, Residual Intersections, and Differential Methods in Commutative Algebra.”


Vacc, Andrea; agricultural & biological engineering program, from NFPA Education and Technology Foundation, $1,000, “Multi Sponsored Gift.”
Vijaykumar to Zhang


Vyn, Tony J: agronomy, from Deere & Company, $93,997, “Mid to Late Season N Placement.”


Wang, Xiaoming:; industrial engineering, electrical & computer engineering, from National Science Foundation, $16,000, “Research Experience for Undergraduates (REU) Supplement: Scalable Nanomanufacturing of Large-Area Two-Dimensional Tellurene for High-Performance Wearable Piezoelectric Devices.”

Xu, Dongyan; Deng, Xinyan and Zhang, Xiangyu:; electrical & computer engineering, from Office of Naval Research, $260,000, “A Cross-Layer Framework for Retrofitting Robotic Vehicle Controllers.”

Xuan, Yi: mechanical engineering, from Indiana University, $25,460, “Fabrication of Si Microneedle Arrays.” (a Discovery Park award – Birck Nanotechnology Center)

Yang, Fenggang and Tong, Yunping:; sociology, from University of Notre Dame, $28,000, “Does Religion Matter? a Study of Sex Ratio at Birth, Son Preference, and Abortion Attitude in Contemporary China.”

Ye, Peide:; electrical & computer engineering, from Applied Materials, $45,000, “AMAT Gift.” (a Discovery Park award – Birck Nanotechnology Center)

Yeung, Sai Kee:; industrial engineering, education administration, civil engineering, $70,251, “Moduli and Surfaces in Complex Geometry.”

Yih, Yuehwern; Burgess, Wilella Daniels and Sinfield, Joseph V:; industrial engineering, education administration, civil engineering, from Agency for International Development, $1,687,578, “LASER Buy-In: Building the Evidence Base on Effective Private Sector Engagement Phase 2.”

Young, Bryan G and Johnson, William G:; botany & plant pathology, from Syngenta Crop Protection Inc., $30,000, “Multi Sponsored Gift Account.”

Young, Bryan G:; botany & plant pathology, from Syngenta Crop Protection Inc., $30,000, “Multi Sponsored Gift Account.”

Young, Bryan G:; botany & plant pathology, from Syngenta Crop Protection Inc., $11,900, “Multi Sponsored Gift Account.”

Young, Bryan G:; botany & plant pathology, from West Central, $3,500, “Multi Sponsored Gift Account.”

Young, Bryan G:; botany & plant pathology, from BASF Corpora- tion, $10,000, “Multi Sponsored Gift Account.”


Zhang, Song:; mechanical engineering, from John Deere Agricultural US, $20,000, “High-Resolution Large Range 3-D Scanning System: 3-D Soil Profiler.”

Zhang, Yiying:; electrical & computer engineering, from National Science Foundation, $113,483, “Faculty Early Career Development (CAREER): A Disaggregated and Distributed Hardware and OS Framework for Next-Generation Datacenters.”
Zhang to Zywicki

**Zhang, Zhong-Yin** and **Chen, Lan**; medicinal chemistry & molecular pharmacology, chemical genomics recharge, from Indiana University, $93,000, "Development of an HTS Assay for Discovery of HBV cccDNA Inhibitors; Amendment 2, Grant 11000557."

**Zhou, Chenn Qian**; **Chen, Bin**; **Lee, Seokcheon** and **Moreland, John R**; Center for Innovation through Visualization and Simulation, electrical & computer engineering, industrial engineering, from Naval Sea Systems Command Naval Surface Warfare Center (NAVSEA/NSWC) Crane, $69,627, "Visualization of Repair Operations Management for Networked Systems Resilience."

**Zhou, Chenn Qian** and **Silaen, Armin K**; Center for Innovation through Visualization and Simulation, from Argonne National Laboratory, $79,955, "Application of High-Performance Computing (HPC) to Optimize Reheat Furnace Efficiency in Steel Manufacturing."

**Zhou, Chenn Qian**; mechanical & civil engineering, from Stelco, $25,000, "Steel Manufacturing Visualization and Simulation Consortium (SMVSC) Membership."

**Zhou, Chenn Qian**; mechanical & civil engineering, from AK Steel, $45,000, "Steel Manufacturing Visualization and Simulation Consortium (SMVSC) Membership."

**Zhou, Qi** and **Topp, Elizabeth M**; industrial & physical pharmacy, from Genentech Corporation, Inc., $50,370, "Electrospray Drying for Protein Formulations."

**Zhu, Fengqing**; electrical & computer engineering, from Google Inc, $45,000, "Multi-Sponsored Gifts."

**Zook, Melinda S**; history, from The Teagle Foundation, $50,000, "Cornerstone Expansion Planning Grant."

**Zywicki, Stephanie M**; curriculum & instruction, from Spencer Foundation, $49,945, "Connecting Identity and Place: Understanding Indigenous Graduate Student."

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