Abel, Steven R and Ainslie, Paul J and Hicks, Jennifer L; Office of Engagement, from Central Indiana Corporate Partnership, $400,736, “Indiana Science, Technology, Engineering and Mathematics (STEM) Resource Network.”

Adeola, Olayiwola; animal sciences, from DSM Nutritional Products, Inc., $75,000, “DSM.”

Aime, Mary Catherine; botany and plant pathology, from Red Gold, Inc., $800, “Aime Voluntary Support.”

Ajuwon, Kolapo; animal sciences, from Biomatrix Inc, $10,000, “Swine Research.”

Ajuwon, Kolapo; animal sciences, from Multi-Sponsored Industries, $60, “Swine Research.”

Ajuwon, Kolapo and Adeola, Olayiwola; animal sciences, from AB Vista, $71,500, “Determination of Extraphosphoric Effects of Phytase in Pigs.”

Alexeenko, Alina; aeronautics & astronautics, from Bristol-Myers Squibb Company, $10,000, “Lyohub Consortium.”

Alexeenko, Alina; aeronautics & astronautics, from Allergan, Inc, $10,000, “Lyohub Consortium.”

Appenzeller, Joerg; Chen, Zhihong; Datta, Supriyo and Lundstrom, Mark S; electrical & computer engineering, from Semiconductor Research Corporation, $408,959, “E2CDA: Type I: Probabilistic Spin Logic for Low-Energy Boolean and Non-Boolean Computing.” (a Discovery Park award – Birck Nanotechnology Center)

Ardekani, Arefuz Motavalizadeh; mechanical engineering, from Pharos Materials Inc, $21,940, “Numerical Investigation of Role Surface Roughness on Rheological Behavior of Concentrated Suspension of Particles.”

Asencio, Raquel; management, from Army Research Office, $60,000, “10.2 Social and Cognitive Networks: Exploring Effective Coordination Structures and Functioning in Multiteam Systems.”

Bareinboim, Elisa; computer science, from IBM, $50,000, “Multi-Sponsored Voluntary Support.”

Baributsa, Dieudonne; entomology, from Paige Ebner, $250, “PICS Voluntary Support.”

Beaulieu, Lionel J; engagement, from Economic Development Administration, $160,000, “Harnessing the Economic Assets of Indiana Regions and Communities: Strengthening Information, Collaboration and Innovation; Amendment 1; Grant 108648.”

Benjamin, Tamara J; Thompson, Amy F and Turner, Diane A; horticulture and landscape architecture, field extension educators, from Indiana State Department of Agriculture, $55,535, “Indiana Hop Growers: Expanding Production and Markets and Connecting Growers.”

Bermel, Peter A; electrical & computer engineering, from Northrop Grumman Corporation, $20,000, “Northrop Grumman.”

Bertino, Elisa; computer science, from IBM, $30,561, “IBM DAIS ITA.”

Bhave, Sunil A; electrical & computer engineering, from Trask Trust Fund, $35,000, “Wafer Level Vacuum Packaging for Opto-Mechanical Devices.” (a Discovery Park award – Birck Nanotechnology Center)

Bhave, Sunil A; electrical & computer engineering, from University of Chicago, $75,884, “Mechanical Control of Spin-States in Silicon Carbide; Amendment 4; Grant 107774.”

Bigelow, Cale A; horticulture and landscape architecture, from Service Advisory Board, $160,000, “Strategies and Technologies for Conserving Water in the Lawn-Urban Landscape for the Cool-Humid Region of the USA (Increasing Efficiency by Year 2065): Public Outreach Efforts.”

Bolin, Jeffrey T; Executive Vice President for Research and Partnerships, from Purdue University, $554,312, “FY17 & 18 Purdue Research Foundation (PRF) Research Grant (209911).”

Bolin, Jeffrey T; Executive Vice President for Research and Partnerships, from Purdue University, $135,326, “PURR: Purdue University Research Repository (206804).”

Bolin, Jeffrey T; Executive Vice President for Research and Partnerships, from Purdue University, $56,026, “PURR: Purdue University Research Repository (206804).”

Bolton, J Stuart and Davies, Patricia; mechanical engineering, from Carrier Corporation, $271,018, “Sound Quality of HVAC Equipment: Phase II – Sound Visualization and Development of Source-Path Models to Synthesize Product Sounds.”

Bouman, Charles A; electrical & computer engineering, from Northrop Grumman Corporation, $77,096, “Model Based Iterative Reconstruction Methods for Computed Tomography (CT).”

Braun, James E; mechanical engineering, from Regal Beloit Manufacturing Corp, $50,000, “Center for High Performance Building Consortium.”

Brown, Paul B; forestry and natural resources, from Aginno Institute, $98,318, “Alternative Protein Sources for Fish Feed in Aquaculture and Their Economic Viability and Cultural Acceptance.”
Buczkowski to Davisson

Buczkowski, Grzegorz A: entomology, from Reneotech Inc, $2,500, “Multi-Sponsored.”

Byrn, Stephen Robert and Clase, Kari L: industrial and physical pharmacy, technology, leadership, & innovation, from National Institute for Pharmaceutical Technology and Education, $329,635, “Quality Scorecard Analytics Sub-Team.”

Cai, Liping A: hospitality & tourism management, from University of South China, $21,990, “China Research Programs.”

Caldwell, Barrett S: industrial engineering, from Indiana University, $1,000, “Indiana Space Grant Consortium (INSGC) Affiliate Dues.”

Caldwell, Barrett S: industrial engineering, from Purdue University, $1,000, “Indiana Space Grant Consortium (INSGC) Affiliate Dues.”

Campbell, Wayne W: nutrition science, from Barilla, $100,783, “MedGICarb Study: Data Processing and Analysis.”

Campbell, Wayne W: nutrition science, from Barilla, $322,778, “Effects of Incorporating Low Glycemic Refined Grains into the Mediterranean-Style Dietary Pattern on Cardio-Metabolic and Emotional Well-Being.”

Campbell, Wayne W and Kim, Jung Eun: nutrition science, from North Dakota Beef Commission, $75,000, “Effects of Consuming Unprocessed Beef on the Gut Microbiome in Young Adults.”

Campbell, Wayne W: nutrition science, from Barilla, $450,000, “Effects of Incorporating Low Glycemic Refined Grains into the Mediterranean-Style Dietary Pattern on Cardio-Metabolic and Emotional Well-Being.”

Cannon, Jason R: health sciences, from Showalter Trust, $5,000, “FY18 Showalter Scholars.”

Carvajal, Teresa M: agricultural & biological engineering, from Biokorf LLC, $1,850, “Multi-Sponsored Gift Fund.”

Cason, Timothy N: economics, from International Foundation for Research in Experimental Economics, $13,625, “Proposal for Undergraduate Student Workshop in Experimental Economics.”

Casteel, Shaun N: agronomy, from University of Nebraska, $30,095, “Benchmarking Soybean Production Systems in the North-Central USA.”


Chang, Fen-Lei F: medical education, from Indiana University, $4,000, “FY 18 Anna Yoder Memorial Fund.”


Chen, Weinong W and Meyer, Terrence R: aeronautics & astronautics, mechanical engineering, from Army Research Office, $60,000, “Damage and Temperature Around a Propagating Dynamic Crack.”

Chew, Weng C: electrical & computer engineering, from National Science Foundation, $264,144, “High Accuracy, Broadband Simulation of Complex Structures with Quantum Effects, Parallel Fast Algorithm, and Integral Equation Domain Decomposition.”


Chiang, Mung: engineering administration & engineering experiment station, from National Science Foundation, $653,749, “Waterman Award.”

Chmielewski, Jean A and Seleem, Mohamed: chemistry, comparative pathobiology, from Trask Trust Fund, $25,000, “Cell-Penetrating Dual Antimicrobial Agents for Treatment of Hospital-Acquired Pneumonia Infections.”


Choi, Jong Hyun and Mao, Chengde: mechanical engineering, chemistry, from Office of Naval Research, $27,000, “Toward Versatile Synthetic DNA Walkers.”

Choi, Jong Hyun and Mao, Chengde: mechanical engineering, chemistry, from Office of Naval Research, $18,000, “Toward Versatile Synthetic DNA Walkers.”


Collicott, Steven H: aeronautics & astronautics, from National Aeronautics and Space Administration, $173,225, “Cryogenic Gauging Technology Geometry Development.”


Das, Chittaranjan and Luo, Zhao-Qing: chemistry, biological sciences, from PHS-NIH National Institute of General Medical Science, $413,311, “Mechanism of Atypical Ubiquitination and Deubiquitination by Bacterial Effectors.”

Davisson, Vincent Jo: medicinal chemistry and molecular pharmacology, from Pharmaceutical Research and Manufacturers of America PhRMA Foundation, $40,000, “Method for Identifying Synthetic Lethal Combinations of Pre-Existing Therapeutics in a Cancer Context.”
DeLaurentis to Gotham

DeLaurentis, Daniel A; Appenzeller, Joerg; Handwerker, Carol A; Johnson, Mark C; Alam, Muhammad A and Bermel, Peter A; aeronautics & astronautics, electrical & computer engineering, materials engineering, from Science Applications International, $296,000, "TI-103 DASD (C3CB) & TI-111 ASE; Modification #5."

Delaware, Benjamin J; computer science, from National Science Foundation, $163,212, "CRII: Software and Hardware Foundations (SHF): Bespoke Data Representation Synthesis via Contextual Data Refinement."

DeWoody, James Andrew; forestry and natural resources, from Bob & Bessie Welder Wildlife Foundation, $24,000, "Landscape Genetic and Genomic Approaches for the Conservation of Montezuma Quail."

Diaz De La Rubia, Tomas J; Executive Vice President for Research and Partnerships, from Purdue University, $75,000, "Big Idea Challenge Research Grant."

Doucette, Suzanne C; chemistry, from U.S. Department of Energy, $153,282, "Snythetic, Spectroscopic & Computational Studies of Redox-Active Uranium Complexes."

Ebert, David S; electrical & computer engineering, from U.S. Department of Homeland Security, $500,000, "Social Media Analytics and Reporting Toolkit (SMART) for Augmenting First Responder Situation Awareness." (a Discovery Park award – Discovery Park Administration.)

Egel, Daniel S; botany and plant pathology, from Sipcam Agro USA, Inc, $7,000, "Potassium Management."

Ekenstedt, Kari J and Hogenesch, Harm; basic medical sciences, comparative pathobiology, from Zoetis, $32,603, "Canine Vaccine Response Genetics."

Engel, Bernard A; agricultural & biological engineering, from Agricultural Research Service, $80,000, "WEPP Model, Interface, and Database Development and Testing."

Engelberth, Abigail S; agricultural & biological engineering, from Russell O. Blosser Memorial Fellowship, $1,500, "Fatemi, Samira."

Erasmus, Marisa A and Karcher, Darrin M; animal sciences, from Novateur Research Solutions LLC, $29,985, "Smart Systems for Poultry Welfare and Management."

Farkas, Brian E and Kurdelak, Erik S; food sciences, from GE Healthcare Bio-Sciences AB, $8,539, "GE Healthcare, IMS Agralose Trial."

Farkas, Brian E; food sciences, from Howe, Jennifer & Stephen, $25, "Multi-Sponsored ) Gift Fermentation."

Farkas, Brian E; food sciences, from Michael Foods, Inc, $3,000, "Pilot Plant Multi-Sponsored Gift."

Fei, Songlin; forestry and natural resources, from National Science Foundation, $12,000, "Research Experience for Undergraduates (REU) Supplement: Modeling Invasion Dynamics Across Scales (MIDAS)."

Feikes, David J; mathematics, statistics and computer science, from Indiana Department of Education, $15,000, "Conceptual Algebra Readiness with Engineering and Science (CARES)."

Field, William E; agricultural and biological engineering, from Farm Credit Services of Mid-America, ACA, $12,500, "Breaking New Ground."

Fleet, James C and Ratliff, Timothy L; nutrition science, Center for Cancer Research, from American Institute for Cancer Research, $164,999, "Regulation of Tumor Cell Evasion from Immune Surveillance by Vitamin D."

Freeman, Jennifer L and Sepulveda, Maria Soledad; health sciences, forestry and natural resources, from Purdue University, $30,000, "Multigeneration Endocrine Disruption Associated with a Developmental Exposure to the Herbicide Atrazine."

Frueh, Carolin E; aeronautics & astronautics, from Air Force Office of Scientific Research, $125,000, "Light Curve Inversion for Characterization of Objects with Cavities."

Gallardo, Roberto; agriculture – administration, from University of Nebraska-Lincoln, $11,500, "Increasing Rural Civic Engagement."

Garimella, Suresh V; mechanical engineering, from Intel Corporation, $15,000, "206374- Cooling Technologies Research Center (CTRC) Membership – Memo Match for 106029."

Garimella, Suresh V; mechanical engineering, from IBM, $60,000, "Cooling Technologies Research Center (CTRC) Membership - Memo Match for 106029."

Garimella, Suresh V; mechanical engineering, from Raytheon, $30,000, "Cooling Technologies Research Center (CTRC) Membership - Memo Match for 106029."

Garimella, Suresh V; Ladisch, Michael R; Vlachos, Pavlos; Mcluckey, Scott A; Yeo, Yoon and Reklaitis, Gintaras V; Executive Vice President for Research and Partnerships, Institute for Integrated Neuroscience, from Eli Lilly and Company, $4,882,586, "Lilly 2018 IB."

Gaskell, Brianna N; animal sciences, from Agricultural Research Service, $5,500, "Determining the Thermal Preferences of Swine."

Ghislis, Richard F; hospitality & tourism management, from, J.Willard & Alice S Marriott Foundation, $200,000, "Marriott Executive in the Classroom Series and Marriott Excellence in Student Leadership Series."

Ghosh, Arun K; medicinal chemistry and molecular pharmacology, from Kumamoto University, $109,314, "Development of Antiretroviral Agents Such as Non-PIs that Penetrate Central Nervous System and Exert Potent Activity Against Various HIV-1."

Golden, Barbara L; biochemistry, from Pew Charitable Trusts, $200,000, "A Ribozyme with tRNA-Synthetase Activity for Protein Engineering in Vitro and in Vivo."

Gondhalekar, Ameya D; entomology, from BASF Corporation, $816, "Control of Termites Using Termidor HP in Indiana."

Goodsell, Johnathan Eugene and Sharp, Nathan D; aeronautics & astronautics, Composites Manufacturing and Simulations Center, from Solvay Composites Materials, $10,636, "High Temperature Material Characterization for Forming Simulation."

Gotham, Douglas J; biological sciences, from Public Interest Law Centre, $12,006, "Assistance and Expert Testimony to the Manitoba Hydro General Rate Application (Gra) Proceeding." (a Discovery Park award – Energy Center)
Gray to Konieczny

Gray, Donald L and Zhou, Chenn Qian; Center for Innovation thru Visualization and Simulation, mechanical and civil engineering, from Association for Iron and Steel, $10,000, “Advanced Modeling to Optimize and Visualize Strip Flatness.”

Guan, Wenjing; horticulture and landscape architecture, from Syngenta Crop Protection Inc., $1,500, “Chris Gunter General Research Activities.”

Guzey, Siddika; Ayres, Drew C; Bryant, Lynn A; Ryu, Minjung and Asunda, Paul A; curriculum and instruction, technology, leadership, & innovation, from Indiana Department of Education, $16,368, “A New MSP Partnership to Improve Science, Technology, Engineering & Mathematics (STEM) Integration in Indiana.”

Haikal, Ghadir; Ramirez, Julio Alfonso and Jahanshahi, Mohammad Reza; civil engineering, from Indiana Department of Transportation, $56,675, “SPR 4223: Link-Slabs Details and Materials.”

Han, Bumsoo; mechanical engineering, from Purdue University, $30,000, “Accelerated Identification and Translation of Drug Combinations Based on a Novel Ref-1 Inhibitor for Pancreatic Cancer Treatment Using Biomimetic Tumor Models.”

Han, Qingyou; engineering technology, from Beijing Jinyu Science & Technology Co. Ltd, $10,000, “Center for Materials Processing Research (CMPR).”

Han, Qingyou; engineering technology, from North American Die Casting Association, $5,000, “Center for Materials Processing Research (CMPR).”

Hartman, Nathan W; computer graphics technology, from Cummins Engine Company Inc., $80,007, “Expanding Augmented Reality Technologies in Cummins? Service Engineering and Field Service Applications to Deliver Rapid Response Research (RAPID) Information Access.”

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

Hockerman, Gregory H and Krusemark, Casey J; medicinal chemistry and molecular pharmacology, from PHS-NIH National Institute Neurological Disorders and Stroke, $166,604, “Differential Modulation of Cav1.2 and Cav1.3.”

Horgan, Briony H; earth, atmospheric, & planetary science, from Jet Propulsion Laboratory, $40,000, “Using Composition to Constrain Paleoenvironments and Sites of Organic Preservation in Gale Crater; Modification 4; Grant 108399.”

Huang, Changdeng; Center for Cancer Research, from Purdue University, $30,000, “Molecular and Genetic Analysis of Prmt5 in Neuroendocrine Prostate Cancer.”

Huang, Jen-Yi; food sciences, from Higher Education Commission Pakistan, $3,500, “Bench Fees - Sajeeva Akram.”

Huang, Jen-Yi; food sciences, from Higher Education Commission Pakistan, $3,500, “Bench Fees - Farhat Rashid.”

Ileleji, Klein; agricultural & biological engineering, from Colciencias, $205,593, “Colciencias Assistancehip Pablo Vega.”

Ishii, Mamoru; nuclear engineering, from Nuclear Regulatory Commission, $185,000, “Post-CHF Heat Transfer at High Pressure and Flow Conditions: Experimental Support for TRACE Model Development.”

Jacob, Zubin; electrical & computer engineering, from Department of the Army, $180,669, “General Model of Single Photon Detection.” (a Discovery Park award – Birck Nanotechnology Center)

Jiang, Qing; Fleet, James C and Nakatsu, Cindy H; nutrition science, agronomy, from Purdue University, $30,000, “Tocotrienols, 13-Carboxyschromanol and Their Combinations as Effective Preventive Agents for Colon Cancer.”

Johnson, William G and Young, Bryan G; botany and plant pathology, from Monsanto Company, $5,600, “Efficacy and Crop Safety of Co-Herbicides with Xtend.”


Karcher, Elizabeth L; Erasmus, Marisa A; Karcher, Darrin M and Knobloch, Neil A; animal sciences, youth development and agricultural education, from National Institute of Food & Agriculture, $50,000, “Enhancing the Future Poultry Workforce through Stembased Industry Exposure and Engagement.”

Kasinski, Andrea L; biological sciences, from American Cancer Society, $792,000, “Enhancing Microrna Therapeutics through Vehicle-Free Delivery.”

Kelly, Brian C; sociology, from Utah State University, $59,793, “Sibling Socialization of Alcohol and Drug Use from Early through Late Adolescence.”

Kenttamaa, Hilkka I; chemistry, from Neste Oyj, $17,000, “High-Resolution Mass Spectrometric Analysis of Neste Dao Samples and 1-Month Research Method Development for Silicon Compounds.”

Kildishev, Alexander V; electrical & computer engineering, from Pennsylvania State University, $21,400, “Actem - Advanced Computational Toolkit for Engineered Optical Materials; Amendment 2.”

Kirkpatrick, Jane M; nursing, from Health Resources & Services Administration, $174,780, “Health Center Cluster.”

Klimleck, Gerhard; electrical & computer engineering, from National Science Foundation, $50,000, “I-Corps Nanohub: Cyber Platform for Science, Technology, Engineering & Mathematics (STEM) Research, Education, and Collaboration.” (a Discovery Park award – Network for Computational Nanotechnology)

Knapp, Deborah W; veterinary clinical sciences, from Oscar E, Jr & Dorothy J Miller, $5,000, “Cancer Treatment Program.”

Koltick, David S; physics and astronomy, from Techsource, $7,000, “Koltick Voluntary Support.”

Kong, Nan; Campbell, Noll L; Caldwell, Barrett S and Zilich, Alan J; biomedical engineering, pharmacy practice, industrial engineering, from Indiana University, $80,099, “Brain Health Patient Safety Learning Laboratory.”

Konieczny, Stephen F; biological sciences, from Cincinnati Childrens Hospital Medicine Center, $211,177, “Thrombin-Dependent Mechanisms of Pancreatic Ductal Adenocarcinoma Disease.”
Krogmeier to Meyer

Krogmeier, James V; electrical & computer engineering, from Administration Alliance Nutrition, Inc., $5,000, “OATS Center Memo Match.”

Krupke, Christian H; entomology, from Ohio State University, $9,999, “Soybean Entomology in the North Central Region: Management and Outreach for New and Existing Pests; Grant 209154; Year 3.”

Kuhn, Richard J; biological sciences, from University of Michigan, $313,289, “Molecular Functions of NS1 Virulence Protein from Dengue and Zika Viruses.”


Lenz, Stephen D; comparative pathobiology, from Indiana Department of Natural Resources, $80,000, “Diagnostic Evaluation of Chronic Wasting Disease in White-Tailed Deer.”

Lindemann, Stephen R; food sciences, from Ingredion Inc, $15,000, “Multi-Sponsored Gift.”

Lister, Matthew L; physics and astronomy, from National Aeronautics and Space Administration, $183,913, “The Parsec and Kiloparsec Jet Properties of MOJAVE AGN.”

Liu, Sandra S; MacDermid Wadsworth, Shelley; Beaulieu, Lionel J and Yih, Yuehwern; consumer science, human development and family studies, agricultural economics, industrial engineering, from National Association of Veteran-Serving Org, $149,987, “Determination of Success Factors for Veteran Entrepreneurship.”

Liu, Xiaoji; Ratliff, Timothy L and Xie, Jun; Center for Cancer Research, statistics, from PHS-NIH National Cancer Institute, $234,866, “Overcoming Drug Resistance of Castration-Resistant Prostate Cancer.”

Liu, Xiaoji; Ratliff, Timothy L and Xie, Jun; Center for Cancer Research, statistics, from PHS-NIH National Cancer Institute, $321,944, “Enhancing Anti-Neoplastic Activity of Metformin in Prostate Cancer.”


Lundstrom, Mark S; electrical & computer engineering, from Johns Hopkins University Applied Physics, $5,000, “Nanoscale Engineered Transductional Thermoelectronics; Modification 2; Grant 108097; (a Discovery Park award – Network for Computational Nanotechnology)

Lundstrom, Mark S; electrical & computer engineering, from Johns Hopkins University Applied Physics, $14,027, “Nanoscale Engineered Transductional Thermoelectronics.” (a Discovery Park award – Network for Computational Nanotechnology)

Luo, Zhao-Qing; biological sciences, from Cornell University, $33,604, “Structural and Functional Characterization of a Novel Family of Ubiquitin E3 Ligases from Legionella Pneumophila; Amendment 1; Grant 108614.”

Lynall, Matthew D; management, from University of Michigan, $401,153, “Small Business Innovation Research (SBIR) Phase 0 - I-Corps Supplement Supplement to: I-Corps Node: Activating the Midwest I-Corps Network”

Ma, Jianxin; agronomy, from National Institute of Food & Agriculture, $475,000, “Novel Genetic and Molecular Mechanisms Modulating Soybean Science, Technology, Engineering & Mathematics (STEM) Growth Habit.”

Ma, Zhao; forestry and natural resources, from Russell O. Blosser Memorial Fellowship, $1,500, “Iles, Keri.”

MacDermid Wadsworth, Shelley; Broniarczyk, Kathy M and Beaulieu, Lionel J; human development and family studies, Office of Engagement, from Got Your 6, $35,000, “Promoting Collective Impact by Measuring Communities.”

MacDermid Wadsworth, Shelley and Runco, Lauren A; human development and family studies, from Henry M Jackson Foundation, $93,008, “Star Behavioral Health Provider Program - an Extension to Oregon.”

Martinez, Kimber J; youth development and agricultural education, from Just Beginnings Collaborative, $75,000, “MESA JBC Child Sexual Abuse Prevention.”

Matson, Eric T; computer and information technology, from Barrett Technology LLC, $5,000, “Rose-Hub Membership Agreement with Barrett Technology, LLC.”

Mattes, Richard D; health and human sciences, from Welch Foods Inc., $313,737, “Effects of Grape Juice Alone or with Meals on Appetite, Gastric Emptying, Glycemia, Insulinemia and Energy Intake in Healthy Adults.”

McDaniel, Rebecca S; civil engineering, from National Academy of Sciences, $45,000, “Impact of Asphalt Materials Lift Thickness on Pavement Quality.”

Mcluckey, Scott A; chemistry, from PHS-NIH National Institute of General Medical Science, $254,792, “Gas-Phase Bio-Conjugation in the Tandem Mass Spectrometry of Peptides, Proteins, and Protein Complexes.”

Mengiste, Tesfaye D; botany and plant pathology, from Fuyou Fu, $10,000, “Voluntary Support- Fuyou Fu.”

Merwade, Venkatesh Mohan; civil engineering, from Ross Graduate Fellowship- Assistantship, $21,994, “Jafarzadegan, Keighobad.”


Meyer, Scott E; mechanical engineering, from Inspace, LLC, $65,000, “Thruster Development Testing.”
Milisavljevic, Danny: physics and astronomy, from Smithsonian Astrophysical Observatory, $18,815, "Chandra Observations of the Remarkable Late-Interacting Sn2001em."

Mitchell, Cary A: horticulture and landscape architecture, from Kennedy Space Center, $9,375, "Pick-and-Eat Salad-Crop Productivity, Nutritional Value, and Acceptability to Supplement the ISS Food System."

Mohammadi, Mohsen: agronomy, from Agricultural Research Service, $990, "Acquisition of Goods and Services."

Mohammadi, Mohsen: agronomy, from Agricultural Research Service, $6,917, "Acquisition of Goods and Service - Sarah Allen."

Morrison, Edward F and Hutcheson, John S: engineering technology, from New Jersey Institute of Technology, $75,000, "Cluster Development and Stragety for Innovation Tools."

Mukherjee, Partha P: mechanical engineering, from Texas A&M University, $133,284, "Addressing Internal Shuttelle Effect: Electrolyte Design and Cathode Mophology Evolution in Li-S Batteries."

Nachappa, Punya B: biology, from Ohio State University, $10,000, "Soybean Entomology in the North Central Region: Management and Outreach for New and Existing Pests; Amendment 3; Grant 208960."


Nagy, Zoltan: chemical engineering, from International Fine Particle Research Institute Inc, $14,000, "IFPRI Gift."

Neumeister, Norbert: physics and astronomy, from Fermi National Accelerator Laboratory, $26,942, "2018 LHC Physics Center (LPC) Distinguished Research Program."

Newton, Kathryne A: technology, leadership, & innovation, from University of Industrial Distribution, $10,000, "Coordination of University of Innovative Distribution Program."

Niser, John C: hospitality & tourism management, from Dublin Institute of Technology, $1,758, "HSD Consortium."

Noinaj, Nicholas: biological sciences, from Virginia Commonwealth University, $94,845, "Neisseria Gonorrhoeae Metal Transporters that Subvert Nutritional Immunity."

Noinaj, Nicholas and Bakelar, Jeremy W: biological sciences, from National Institutes of Health, $59,166, "Mechanistic Insight into the Role of BAM Complex in E. Coli."

O’Haire, Marguerite E: comparative pathology, from Indiana University School of Medicine, $136,697, "Therapeutic Efficacy of Service Dogs for Veterans with Posttraumatic Stress Disorder and Their Spouses."

Oliver, Haley F; Deering, Amanda J and McNamara, Kevin T: food sciences, agricultural economics, from Cultivating New Frontiers in Agric, $56,037, "Cultivating Shared Solutions for Locally and Responsibly Sourced Cereals."

Pastakia, Sonak D: pharmacy practice, from University of Warwick, $22,429, “Ethnic Specific Risk Stratification in Early Pregnancy for Identifying Mothers at Risk of Gestational Diabetes Mellitus in India and Kenya.”

Patton, Aaron J: horticulture and landscape architecture, from Dow Agro Sciences, $5,000, "Patton Multi-Sponsored #2 (Orig 301226)."

Patton, Aaron J: horticulture and landscape architecture, from Nufarm Americas Inc., $13,500, "Patton Multi-Sponsored #2 (Orig 301226)."

Patton, Aaron J: horticulture and landscape architecture, from Midwest Regional Turf Foundation, $7,331, "Midwest Regional Turf Foundation."

Patton, Aaron J: horticulture and landscape architecture, from PBI Gordon Corp., $5,600, "Patton Multi-Sponsored #2 (Orig 301226)."

Patton, Aaron J: horticulture and landscape architecture, from Dow Agro Sciences, $5,500, "Patton Multi-Sponsored #2 (Orig 301226)."

Pekarek, Steven D: electrical and computer engineering, from Kohler Company, $22,000, "Kohler – Student Assist."


Pijanowski, Bryan C and Salazar, Kara A: forestry and natural resources, Illinois-Indiana Sea Grant College Program, from University of Michigan, $24,200, "Empowering Communities with Online Action Planning Tools: Tipping Points and Indicators for Improving Water Quality Across the Great Lakes (Travel Support)."

Pipes, R Byron: materials engineering, from MSC Software, $15,000, "CDM HUB (Consortium)."


Pourpoint, Timothee L: aeronautics & astronautics, from Computational Fluid Dynamics (CFD) Research Corporation, $37,500, "Hypergolic Injector Qualification Tests."

Pourpoint, Timothee L: aeronautics & astronautics, from Jet Propulsion Laboratory, $10,000, "Evaluation of Hypergolic Additive in Hybrid Rocket Motors."

Pourpoint, Timothee L: aeronautics & astronautics, from Sandia National Laboratories, $55,000, "Investigation and Diagnosis of Rocket Exhaust Plumes; Amendment 3 (Grant 108158)."

Pourpoint, Timothee L: aeronautics & astronautics, from Helicon Chemical Company, $5,500, "Solid Ramjet Fuel Containing In-Situ Grown Aluminum Nanoparticles; Amendment 1; Grant 109509."

Pourpoint, Timothee L; Son, Steven F and Meyer, Scott E: aeronautics & astronautics, mechanical engineering, from Helicon Chemical Company, $20,000, "Solid Ramjet Fuel Containing In-Situ Grown Aluminum Nanoparticles."

Pourpoint, Timothee L: aeronautics & astronautics, from Physical Sciences, Inc., $275,000, "Low-Cost, Green, Scalable, Launch Vehicle Technology."

Prakash, Arun: civil engineering, from Purdue University F N Andrews Fellowship, $31,904, "Shrestha, Samyog."

Prezzi, Monica and Salgado, Rodrigo: civil engineering, from National Science Foundation, $16,000, "Research Experience for Undergraduates (REU) Supplement: Experimental Investigation of Deep Penetration in Sand."
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**Prokopy to Swihart**

**Prokopy, Linda S:** forestry and natural resources, from the Nature Conservancy, $101,063, “Incentive Payments for Non-Operator Landowner Project.”

**Prokopy, Linda S** and **Dunning, John B:** forestry and natural resources, from Indiana Department of Natural Resources, $178,732, “Developing and Evaluating an Outreach Campaign to Conserve Whooping Crane Populations in Indiana.”

**Pujol, Santiago** and **Irfanoglu, Ayhan:** civil engineering, from National Science Foundation, $18,213, “Rapid Response Research (RAPID)/Collaborative Research: The Effects of the 2017 Central Mexico Earthquake on New, Retrofitted, and Old Buildings.”

**Raghothama, Kashchandra G** and **Burniske, Andrea E:** international programs in agriculture, from Volunteers Economic Growth Alliance, $90,622, “Farmer to Farmer (F2F) in Colombias Orinoquia Region.”

**Rainey, Katherine Martin** and **Ma, Jianxin:** agronomy, from Ohio State University, $181,695, “Increasing the Rate of Genetic Gain for Yield in Soybean Breeding Programs.”

**Ramanathan, Shiriram:** materials engineering, from Office of Naval Research, $127,583, “Tunable Electronic Composites with Phase Change Materials and Controlled Disorder.”

**Reklaitis, Gintaras V; Nagy, Zoltan; Gonzalez, Marcial and Laird, Carl D:** chemical engineering, mechanical engineering, from Rutgers State University, $300,000, “Real Time Release in Continuous Solid Dose Manufacturing: Systematic Characterization of Material Properties, and Optimal Design of Sensing and Control Methods; Modification 2; Grant 10809.”

**Richart, Brian T:** animal sciences, from Agricultural Research Service, $12,836, “Evaluating the Effects of Mitigation Strategies on Piglet Welfare and Future Productivity after Transport During Different Seasons.”

**Riley, Donna M:** engineering education, from National Science Foundation, $152,494, “Collaborative Research: the Distributed System of Governance in Engineering Education Unearthing the Historical and Structural Conditions that Shape Higher Education Reform Practices within a Fragne.”

**Roy, Kaushik; Raghunathan, Anand; Jagannathan, Suresh and Culurciello, Eugenio:** electrical & computer engineering, computer science, biomedical engineering, from Semiconductor Research Corporation, $5,164,200, “C-BRIC: Center for Brain-Inspired Computing Enabling Autonomous Intelligence.”

**Sangid, Michael D:** aeronautics & astronautics, from Northrop Grumman Corporation, $20,000, “Probability Theory & Probabilistic Design Sciences.”

**Sangid, Michael D:** aeronautics & astronautics, from Sandia National Laboratories, $72,996, “Illumination of Damage within High-Strength Alloys in Abnormal Mechanical Environments.”

**Schoonmaker, Jon:** animal sciences, from Alltech, Inc, $6,000, “Effect of Aspirin on Gastrointestinal Barrier Function in Feedlot Cattle.”

**Scott, David E:** Office of the Indiana State Chemist, from Environmental Protection Agency, $125,932, “FY 2018 Pesticide Cooperative Agreement.”

**Shakouri, Ali:** electrical & computer engineering, from Applied Materials, $8,750, “Consortium on Printing and Scalable Manufacturing of Aware and Responsive Thin Films (SMART).”

**Sheffield, John W:** Lafayette Polytechnic, from International Association for Hydrogen Energy, $2,500, “IAHE Expenses.”

**Shen, Jie:** mathematics, from Air Force Office of Scientific Research, $111,777, “Solving Boltzmann and Fokker-Planck Equations Using Sparse Representation.”

**Shi, Riyi:** basic medical sciences, from Indiana University, $38,718, “Mechanisms and Rehab Strategies for Social and Psychological Impairments Induced by mTB.”

**Simpson, Garth J:** chemistry, from National Science Foundation, $15,000, “Planning IUCRC Purdue University: Center for the Systems Biology of One (CSBO).”

**Siskind, Jeffrey M:** electrical & computer engineering, from IBM, $561,602, “Purdue Subcontract for the IBM Proposal to IARPA DIVA.”

**Siskind, Jeffrey M:** electrical & computer engineering, from IBM, $12,000, “Purdue Subcontract for the IBM Proposal to IARPA DIVA.”

**Slabaugh, Carson D:** aeronautics & astronautics, from Aerojet Rocketdyne Inc, $200, “Advanced Turbine Components for Combined Cycle Power Applications.”

**Solorio, Luis:** biomedical engineering, from PHS-NIH National Cancer Institute, $199,271, “Engineering the Cancer Microenvironment.”

**Son, Steven F:** mechanical engineering, from Army Research Office, $11,000, “Advances and Upcoming Research Strategies in Reactive Materials, Fall 2017 MRS.”

**Son, Steven F; Gunduz, Ibrahim E and Manship, Timothy D:** mechanical engineering, from Ensign-Bickford Aerospace and Defense Co, $20,000, “High Speed Observation of Initiator Operation for Failure Analysis.”

**Staiger, Christopher J:** botany and plant pathology, from Agbiome, $7,000, “Voluntary Support Account.”

**Staiger, Christopher J:** botany and plant pathology, from FMC Corporation, $6,000, “Voluntary Support Account.”

**Sudhoff, Scott D:** electrical & computer engineering, from National Renewable Energy Laboratory, $66,666, “Sunlamp Ampvi: Develop Magnetics Design Optimization Tool and Design and Construct Optimized Power Magnetics; Modification 11; Grant 108167.”

**Suter, Daniel M:** Institute for Integrated Neuroscience, from Purdue University, $30,000, “ROS as Novel Signaling Molecules in Axonal Growth and Guidance.”

**Swihart, Robert K; Prieur, Abby-Gayle A and Zagorski, Megan E:** forestry and natural resources, from Indiana Academy of Science, $2,936, “Vole Damage to Cover-Cropped Soybeans: Exploring Options for Biological and Cultural Control.”
Tarko to Woodcox

**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.”

**Tesmer, John.** biological sciences, from National Institutes of Health, $325,205, “Structure, Function, and Inhibition of G Protein-Coupled Receptor Kinases.”


**Tong, Yunjie.** biomedical engineering, from National Institutes of Health, $137,081, “Multimodal Neuroimaging of Cigarette Smoking.”

**Tuinstra, Mitchell R.** agronomy, from AG Alumni Seed Improvement Association, $40,000, “Corn Research.”

**Tung, Wen-Wen.** earth, atmospheric and planetary science, from Columbia University, $117,666, “Assessing the Impacts of Arctic Amplification on the Midlatitude Circulation with a Hierarchy of Atmospheric General Circulation Models.”

**Tung, Wen-Wen.** department earth, atmospheric and planetary science, from Columbia University, $19,027, “Faculty Early Career Development (CAREER): Monsoon and the Upper Troposphere-Lower Stratosphere Interface.”

**Turco, Ronald F.** agronomy, from the Nature Conservancy, $5,000, “St Mary Watershed Voluntary Support (Cost Share for 209968) (Grant 301764).”

**Van Der Mensbrugge, Dominique Y.** agricultural economics, from Food & Agriculture Organization of the United Nations, $30,000, “Envisage_Gaps Phase 2.”

**Varma, Amit H.** civil engineering, from American Institute of Steel Construction, Inc., $20,000, “AISC Voluntary Support.”

**Varma, Amit H; Williams, Christopher S and Olek, Jan.** civil engineering, from Indiana Department of Transportation, $255,000, “Post-Fire Assessment of Prestressed Concrete Bridges in Indiana.”

**Velasquez, Juan D; Ambrose, Rose Prabin Kingsly and Carvajal, Teresa M.** engineering administration & engineering experiment station, agricultural & biological engineering, from Colfuturo, $49,963, “Culfuturo Latin American Technical, Research and Administration Leaders Program (LATERAL).”

**Vlachos, Pavlos.** mechanical engineering, from Auburn University, $205,314, “Magnetic Resonance Imaging (MRI): Development of an Intensified Khz Rate Plenoptic Camera System for 3-D Flow Diagnostics.”

**Voyles, Richard M.** engineering technology, from Mark V Automation Corp, $15,000, “RoSe-HUB Membership (Members Cost Shared on 107355).”

**Voyles, Richard M.** engineering technology, from Mark V Automation Corp, $20,000, “RoSe-HUB Membership (Members Cost Shared on 107355).”

**Wagner, Robert G; Lawson, Shaneka S and McKenna, James R.** forestry and natural resources, from the American Chestnut Foundation, $10,000, “Optimization of Novel Single Nucleotide Polymorphism (SNP) DNA Markers for Early Selection of Blight-Resistant Hybrid Chestnut in Indiana and Virginia Backcrosses.”

**Wahlstrom, Lynne M.** field extension educators, from DeKalb County Community Foundation, $1,900, “STEAM Education Initiative.”

**Walther, Hans U.** mathematics, from National Science Foundation, $15,000, “Singularity, Toric Geometry and Differential Equations.”

**Wang, Fuqiang and Xie, Wei.** physics and astronomy, from U.S. Department of Energy, $545,000, “Study QCD Matter Under Extreme Conditions by Particle Correlation and Heavy Flavor Probes in Relativistic Heavy Ion Collisions.”

**Wang, Xiaoming and Han, Qingyou.** engineering technology, from Trask Trust Fund, $25,000, “Additive Manufacture of High Strength Aluminum Metal Matrix Composites.”

**Wang, Xiaoming.** engineering technology, from Medtronic, Inc., $8,000, “Microstructure Characterization of Titanium Wires.”

**Wang, Xiuling.** mechanical and civil engineering, from National Science Foundation, $18,000, “The 16th International Heat Transfer Conference (Beijing, China, August 10-15, 2018).”

**Wassgren, Carl R.** mechanical engineering, from Rutgers State University, $70,000, “Industry-University Ecosystem for Commercializing Pharmaceutical Process Modeling Capabilities for Continuous Manufacturing; Amendment 2; Grant 108104.”


**Weaver, Connie M.** nutrition science, from McCormick Co., Inc. (the), $6,000, “Corporate Affiliates Fund.”

**Wei, Alexander.** chemistry, from David & Anna Wei Charitable Foundation, $3,000, “Wei Gift Funds.”

**Weinstein, Dana.** electrical & computer engineering, from Intel Corporation, $21,291, “Intel Labs: GaN on LiNbO3 Programmable Radio Frequency (RF) Filters; Amendment 3; (Grant 209422).”

**Weinstein, Dana.** electrical & computer engineering, from HRL Laboratories, LLC, $596,975, “The Unconventional Processing of Signals for Intelligent Data Exploitation; Amendment 12; Grant 106611.”

**Wharry, Janelle P.** nuclear engineering, from Idaho National Laboratory, $43,500, “Microstructure & Mechanical Testing of Weld Repairs of Irradiated 304SSIda.”

**Wilker, Jonathan J.** chemistry, from Office of Naval Research, $100,000, “Biocompatible Adhesives for Underwater Bonding.”

**Won, You-Yeon.** chemical engineering, from Lodos Theranostics LLC, $13,000, “Cancer Radio Luminescence Therapy.”

**Woodcox, Stephanie G and Burgess, Wilella Daniels.** health and human sciences, education-administration, from National Institute of Food & Agriculture, $322,000, “A Multi-State Effort of Opioid Abuse Prevention Using SFP 10-14.”
Xu to Zhou

Xu, Dongyan; computer science, from Intel Corporation, $72,000, “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])

Xu, Dongyan; computer science, from Caterpillar Inc., $60,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

Xuan, Yi; electrical & computer engineering, from IMRA America Inc, $10,000, “Voluntary Support.” (a Discovery Park award – Birck Nanotechnology Center)

Ye, Peide; electrical & computer engineering, from Sandia National Laboratories, $50,000, “Interface and Passivation Studies of Atomic Layer Deposited HfO2 on InGaAs for Infrared Photo-Detectors Application.” (a Discovery Park award – Birck Nanotechnology Center)

Young, Bryan G; botany and plant pathology, from Exacto Chemical Company, $19,600, “Multi-Sponsored Gift Account.”

Young, Bryan G; botany and plant pathology, from Syngenta Crop Protection Inc., $40,000, “Multi-Sponsored Gift Account.”

Young, Bryan G; botany and plant pathology, from Monsanto Company, $980,000, “Herbicide Volatility and Application Research.”

Zhang, Xiangyu; computer science, from Office of Naval Research, $100,000, “Learn-to-Reason: a Probabilistic Binary Analysis Infrastructure and its Application in Binary Reduction.”

Zhou, Chenn Qian and Silaen, Armin K; Center for Innovation through Visualization & Simulation, from Arcelormittal USA, $10,000, “Effects of Faceplate on the IH4 Blast Furnace Blowpipe.”

Zhou, Chenn Qian and Silaen, Armin K; Center for Innovation through Visualization & Simulation, from NiSource Corporate Services Company, $50,000, “Investigation of Cooling Tower Circulating Water System.”

Zhou, Chenn Qian; Center for Innovation through Visualization & Simulation, from U.S. Steel Corporation, $231,916, “USS Great Lakes Works Blast Furnace Improvement.”

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