Adeola, Olayiwola; animal sciences, from Biomatrix Inc, $5,000, “Danisco.”

Adeola, Olayiwola; animal sciences, from Amyris Inc, $35,013, “Investigation of the Ileal Amino Acid Digestibility and Energy Value of Feed Ingredient for Pigs.”


Aguiar, Ruben C; biological sciences, from Enhance Therapies LLC, $20,000, “New Strategies to Bladder Cancer Imaging.”

Alexeenko, Alina; aeronautical & astronautical engineering, from Abbott Laboratories, $10,000, “LyoHub Consortium.”


Ambrose, Rose Prabin Kingsly; agricultural & biological engineering, from National Grain & Feed Association, $67,165, “Compiling and Reporting Information on Agricultural Dust Explosions.”

Anderson, Trevor R; chemistry, from Purdue Research Foundation (PRF) Summer Research Grants, $170,144, “Chem – SRG.”

Andrisani, Ourania M; Tran, Elizabeth and Xie, Jun; basic medical science, biochemistry, statistics, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, $34,618, “Mechanisms of Hepatocyte Transformation by the Hepatitis B Virus X Protein.”

Appenzeller, Joerg; Chen, Zhihong; Datta, Supriyo and Lundstrom, Mark S; electrical & computer engineering, from National Science Foundation, $16,000, “Research Experience for Undergraduates (REU) – E2CDA: Type I: Probabilistic Spin Logic for Low-Energy Boolean and Non-Boolean Computing” (a Discovery Park award – Birck Nanotechnology Center)

Aref, Walid G; computer science, from Purdue Research Foundation (PRF) Summer Research Grants, $69,121, “COMPSC – SRG.”

Armstrong, Shalamar D; agronomy, from Illinois State University, $7,000, “The Effect of Cover Crops on Surface Water Quality: A Paired Watershed Experiment in the Lake Bloomington Watershed.”

Bae, Euiwon; mechanical engineering, from Spectabilit Optics, LLC, $59,932, “Development of Flexible Broad Band Optical Interrogation Device.”

Bailey, Regan K; Bhadra, Anindya and Eicher-Miller, Heather A; foods & nutrition, statistics, from PHS-NIH National Cancer Institute, $348,136, “Development of a Total Nutrient Index.”

Baributsa, Dieudonne and Ricker-Gilbert, Jacob E; entomology, agricultural economics, from Catholic Relief Services, $14,577, “United in Building and Advancing Life Expectations (UBALE) Project in Malawi.”

Beaulieu, Lionel J; Office of Engagement, from Indiana Office of Community & Rural Affairs, $23,293, “Project 2: Enhancing Community and Regional Capacity and Resources: Rural Indiana Stats Website Update & Expansion.”

Beaulieu, Lionel J; Office of Engagement, from Indiana Office of Community & Rural Affairs, $119,668, “Project 1: Enhancing Community and Regional Capacity and Resources: Hometown Collaboration Initiative.”


Bertino, Elisa; computer science, from IBM, $47,668, “IBM DAIS ITA.”

Bigelow, Cale A; horticulture & landscape architecture, from Harrells LLC, $116, “MRTF Gift Account.”


Bofferding, Laura C; curriculum & instruction, from National Science Foundation, $128,466, “Faculty Early Career Development (CAREER): Leveraging Contrasting Cases to Investigate Integer Understanding.”

Bogdanar, Michael J and Pipes, R Byron; Composites Manufacturing and Simulations Center, materials engineering, from Hendrickson Suspension, $20,601, “FEA Analysis for Composite Leaf Spring.”
Bolin to Chang

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships and Partnerships, from Purdue University, $30,144, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $30,144, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $104,000, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $104,000, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $3,195,264, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $25,000, “Center for High Performance Building Consortium.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $30,144, “Center for High Performance Building Consortium.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $52,000, “Center for High Performance Building Consortium.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $39,750, “2018-19 Joint MDPhD Program for Graduate Support – Chakravarthula.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $8,000, “FY 18-19 International Travel Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $39,648, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $218,400, “FY18-19 Purdue Research Foundation (PRF) Summer Faculty Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $8,000, “FY 18-19 International Travel Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $39,648, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $30,144, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $30,144, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $30,144, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $30,144, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $30,144, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $3,195,264, “FY18-19 Purdue Research Foundation (PRF) Research Grants.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $25,000, “Center for High Performance Building Consortium.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $50,000, “Center for High Performance Building Consortium.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $25,000, “Center for High Performance Building Consortium.”

**Bolin, Jeffrey T:** Executive Vice President for Research and Partnerships, from Purdue University, $50,000, “Center for High Performance Building Consortium.”

**Braun, James E:** mechanical engineering, from Bristol Compressors, Inc., $25,000, “Center for High Performance Building Consortium.”

**Braun, James E:** mechanical engineering, from Honeywell Inc., $50,000, “Center for High Performance Building Consortium.”

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

**Braun, James E:** mechanical engineering, from Lennox Industries, Inc., $50,000, “Center for High Performance Building Consortium.”

**Brez, Gert J:** veterinary clinical science, from Design Lab Inc, $9,431, “Preference Testing of Chew Toys II.”

**Brightman, Andrew O:** biomedical engineering, from Indiana University Purdue University at Indianapolis, $39,750, “2018-19 Joint MDPhD Program for Graduate Support – Zeng.”

**Brightman, Andrew O:** biomedical engineering, from Indiana University Purdue University at Indianapolis, $39,750, “2018-19 Joint MDPhD Program for Graduate Support – Chakravarthula.”

**Bullock, Darcy M:** civil engineering, from Indiana Department of Transportation, $87,385, “Apt Capital Expenditure Account.”

**Bullock, Darcy M:** civil engineering, from Indiana Department of Transportation, $119,983, “Weigh in Motion Implementation and Data Quality Control for Asset Damage Reduction (210572).”

**Buzon, Michele R:** anthropology, from University of Chicago, $12,219, “Coping with Changing Climates in Early Antiquity: Comparative Approaches Between Empiricism and Theory.”

**Buzzard, Gregory T:** mathematics, from Purdue Research Foundation (PRF) Summer Research Grants, $207,363, “Math – SRG.”

**Caffee, Marc W** and **Goehring, Brent M:** physics, earth & atmospheric sciences, from U.S. Geological Survey, $3,955, “Cooperative Ecosystem Studies Unit, Great Lakes Northern Forest.”

**Cai, Hua:** industrial engineering, from Ford Motor Company, $99,516, “Understanding the Greenhouse Gas Emission Impacts of Smart Transportation Systems.”

**Caldwell, Barrett S:** industrial engineering, from National Aeronautics and Space Administration, $10,000, “Purdue Support of Finess Science and Exploration.”

**Caldwell, Barrett S:** industrial engineering, from National Aeronautics and Space Administration, $54,248, “Purdue Support of Basalt Program.”

**Camberato, James J** and **Nielsen, Robert L:** agronomy, from Indiana Corn Marketing Council, $96,113, “Profitable and Environmentally Sustainable Corn Production in Indiana 2018.”

**Chan, Stanley H:** electrical & computer engineering, from Leidos, $78,501, “Mitigating Turbulene in Long Range Imagery through Consensus Equilibrium.”

**Chang, Fen-Lei F:** medical education, from Indiana University, $1,000, “FY18 Indiana University School of Medicine (IUSM)-Fort Wayne Research Fund (Inc 210004).”

**Chang, Fen-Lei F:** medical education, from Indiana University, $1,000, “FY 18 Indiana University School of Medicine (IUSM)-Fort Wayne Equipment Fund (Inc 209998).”
Chen to Erasmus

Chen, Yingjie; Jiang, Wen; Sors, Thomas G and Watson, William R; inflammation, immunology & infectious diseases, Executive Vice President for Research and Partnerships, from PHS-NIH National Eye Institute, $122,549, “Virtual Reality Augmented Hands-on Cryo-Electron Microscopic (EM) Training.”

Cleveland, William S; statistics, from Air Force Research Laboratory, $86,000, “Diagnostic Methods & Software for Gitted Model Checking.”


Cook, Robert Graham; Thompson, David H; Barker, Eric L; Grama, Ananth Y and Nagy, Zoltan; chemistry, pharmacy – administration, computer science, chemical engineering, from Defense Advanced Research Projects Agency, $400,000, “Analytic-Directed Multi-Scale Synthesis System.”

Cook, Robert Graham; Ferreira, Christina R; chemistry, from University of Colorado Denver, $257,858, “Quantitation of Tenofovir-Diphosphate (TFV-DP) in Blood Cells.”

Crawford, Melba M; agronomy, from National Institute of Standards & Technology, $8,978, “Surf Gaithersburg.”

Crumey, Candace C and Ekenstedt, Kari J; animal sciences, basic medical science, from Stanton Foundation, $176,596, “Establishing a Scientific Basis for Improving Canine Welfare in Commercial Breeding Operations Study 1: Does Maternal Fear and Stress Impact Puppy Health and Behavior?”

Crumey, Candace C and Ekenstedt, Kari J; animal sciences, basic medical science, from Stanton Foundation, $466,521, “Establishing a Scientific Basis for Improving Canine Welfare in Commercial Breeding Operations Study 2: Does Risk Assessment Predict Rehoming Outcomes in Retiring CB Dogs?”

Culurciello, Eugenio; biomedical engineering, from Office of Naval Research, $40,000, “Software and Hardware for Deep Learning of Video Sequences.”

Cushman, Mark S; medicinal chemistry & molecular pharmacology, from Winifred B. Billsland Endowment, $10,404, “El-Sayed, Mohamed.”

Cushman, Mark S; medicinal chemistry & molecular pharmacology, from Winifred B. Billsland Endowment, $10,404, “El-Sayed, Mohamed.”

Dadarlat, Marius D; mathematics, from National Science Foundation, $59,983, “Operator Algebras, Groups and Topological Invariants.”

Davis, John M and Thom, James Mark; aviation technology, from Woodward FST, $10,000, “Woodward PT6 Ignition Test Project.”

DeBoer, Jennifer J; engineering education, from Backyard Brains, $165,000, “Backyard Brains Education Research.”

Deering, Amanda J; food science, from Indiana State Department of Health, $125,903, “State & Territory Cooperative Agreement to Enhance Produce Safety in Preparation of Implementation of FDAs Rule; Amendment 2; Grant 209527.”

DeLaurentis, Daniel A; aeronautical & astronautical engineering, from Science Applications International, $181,000, “TI-04 Conventional Prompt Strike (CPS).”


Delp, Edward J; electrical & computer engineering, from Google Inc, $45,000, “Delp: Google Faculty Award.”

Delp, Edward J; electrical & computer engineering, from Lockheed Martin Corp., $100,000, “Multi-Entity Activity Characterization.”

Deng, Meng; agricultural & biological engineering, from Winifred B. Billsland Endowment, $21,229, “Naryaman, Naagarajan.”

Diaz-Vargas, Xiomara N; field extension educators, from Lilly Endowment Inc., $8,000, “Teens as Teachers 2018.”

Dodd, Michael F; aeronautical & astronautical engineering, from McKinney Associates, $15,000, “igSDI Consortium.” (a Discovery Park award – Discovery Park administration)

Dodd, Michael F; aeronautical & astronautical engineering, from Mercury Systems, Inc., $15,000, “igSDI Consortium.” (a Discovery Park award – Discovery Park administration)

Dykhuizen, Emily C; medicinal chemistry & molecular pharmacology, from Winifred B. Billsland Endowment, $15,815, “Connelly, Katelyn.”

Eastland, Taryn; Davis, Janet H and Morrow, Mary R; nursing, from Indiana Nurses Foundation, $2,500, “The Effectiveness of Institutional Strategies to Recruit and Retain Minority Nurses.”


Egel, Daniel S; botany & plant pathology, from Syngenta Crop Protection Inc., $3,000, “Potassium Management.”

Ejeta, Gebisa; agronomy, from Kansas State University, $133,562, “Genetic Enhancement of Sorghum to Promote Commercial Seed Supply and Grain Market Development in Ethiopia.”


Engelberth, Abigail S; agricultural & biological engineering, from Winifred B. Billsland Endowment, $21,229, “Brace, Emma.”

Erasmus, Marisa A; animal sciences, from Agricultural Research Service, $150,000, “Probiotic, Bacillus Subtilis, Prevents Injurious Behaviors and Increases Skeletal Health in Laying Hens.”
Fairfax to Gunduz

Fairfax, Keke C and Cortes Selva, Diana M: comparative pathobiology, from American Heart Association, $26,844, “Delineating the Role of Hepatic Macrophages in Schistosoma Mansoni Induced Protection from Atherosclerosis.”

Fanjoy, Richard O: aviation technology, from Chappelle, $21,229, “Gifford, Colin.”


Figueiredo, Marxa L: basic medical science, from Purdue Doctoral Program, $32,389, “Rivera-Cruz, Cosette.”

Figueiredo, Marxa L: basic medical science, from PHS-NIH National Cancer Institute, $34,998, “Disrupting Tumor/Bone Malignant Interactions with Multifunctional Cytokine Sonodelivery.”


Frankenberger, Jane R; Bowling, Laura C; Engel, Bernard A; Kladivko, Eileen J and Prokopy, Linda S: agricultural & biological engineering, agronomy, forestry & natural resources, from National Institute of Food & Agriculture, $999,579, “Managing Water for Increased Resiliency of Drained Agricultural Landscapes.”

Frosch, Robert J; Williams, Christopher S: civil engineering, from Dywidag Systems International USA Inc, $37,000, “Relaxation Testing – Final Production Heat.”

Garimella, Suresh V: mechanical engineering, from Intel Corporation, $15,000, “Cooling Technologies Research Center (Cooling Technologies Research Center (CTRC)) 2018 Membership.”

Garimella, Suresh V: mechanical engineering, from Intel Corporation, $15,000, “Cooling Technologies Research Center (CTRC) 2018 Membership.”

Gerber, Corey K: agronomy, from Indiana Association of Professional Crop Consultants, $2,100, “Crop Diagnostic Training and Research Center.”

Gielda, Lindsay M; Evans, Nicole C and Zimmer, Michael I: biological sciences, from Indiana Academy of Science, $2,604, “Development of a Model System Investigating Serratia Marcescens Virulence Factors in Drosophila Melanogaster.”


Gleich, David F: computer science, from Stanford University, $45,000, “Miner: Multimodal Networks: A General Representational Language Applied to Bio-Medical Hypothesis Generation and Validation, Amendment 11; (Grant 107796).”

Goergen, Craig J: biomedical engineering, from Chappelle, $21,229, “Romary, Daniel.”

Goergen, Craig J: biomedical engineering, from Chappelle, $21,229, “Qureshi, Hamana.”

Goins, Edray H and Peterson, Jonathan R: mathematics, from National Science Foundation, $77,713, “Research Experience for Undergraduates (REU) Site: Purdue Research in Mathematics Experience (PRIME).”

Gondhalekar, Ameya D: entomology, from Dow Agro Sciences, $20,000, “Evaluation of Flexible Ag Stations Containing Gf-3640 Against Termites.”

Gondhalekar, Ameya D: entomology, from Dow Agro Sciences, $10,000, “Evaluation of Bed Bug Harborage.”

Gounder, Rajamani P: chemical engineering, from Ford Motor Company, $200,000, “Zeolite NOx and Hydrocarbon Traps for Low Temperature Emissions Control.”

Gounder, Rajamani P: chemical engineering, from Alfred P Sloan Foundation, $65,000, “Dynamic Multinuclear Active Sites Formed from Mobilized Single Ions on Heterogeneous Supports.”

Govindaraju, Rao S: civil engineering, from American Society of Civil Engineers, $6,125, “Support for the ASCE Journal of Hydrologic Engineering.”

Govindaraju, Rao S: civil engineering, from American Society of Civil Engineers, $6,125, “Support for the ASCE Journal of Hydrologic Engineering.”

Gray, Colin M: computer graphics technology, from National Science Foundation, $16,000, “CRII: CHS: Dark Patterns, Pragmatist Ethics, and User Experience.”

Greene, Christopher H: physics, from U.S. Department of Energy, $155,000, “Physics of Correlated Systems.”

Griffin, Paul M: industrial engineering, from Regenstrief Foundation, $10,000,000, “Driving to Impact: Regenstrief Center for Healthcare Engineering 2019-2024.” (a Discovery Park award – Regenstrief)

Groll, Eckhard A: mechanical engineering, from Air Squared, $200,000, “Vapor Compression Refrigeration System for Cold Storage on Spacecrafts.”

Guan, Wenjing: horticulture & landscape architecture, from Seedway, $1,200, “Practical Placement Strategies for Potassium Fertilizer in Corn.”

Guan, Wenjing: horticulture & landscape architecture, from Syngenta Crop Protection Inc., $1,200, “Practical Placement Strategies for Potassium Fertilizer in Corn.”


Hamaker to Irazoqui

Hamaker, Bruce R and Ferruzzi, Mario: food science, from Kansas State University, $22,943, “Expanding Markets for Sorghum and Millet Farmers in West Africa through Strengthening of Entrepreneur Processors and Nutrition-Based Promotion of Products.”

Han, Bumsoo; Chiu, George T and Siegmund, Thomas H: mechanical engineering, from Leidos Biomedical Research Inc, $300,252, “Collapsible Basket for High Throughput Histology Analysis of Tumor Spheroid Arrays.”

Handa, Avtar Krishan: horticulture & landscape architecture, from Egyptian Cultural and Educational Bureau, $5,000, “Bench Fee – Dhuha Salah Mohamed Mahmoud.”

Handwerker, Carol A and Subbarayan-Shastri, Ganesh: materials engineering, mechanical engineering, from Intel Corporation, $100,000, “Low Temperature Solder Syste- Development and Fundamental Understanding.”

Handy, James C: Technical Assistance Program, from Indiana Department of Transportation, $76,224, “Indiana Department of Transportation (INDOT) Permit Manual Development Project.”


Hartman, Nathan W and Sangid, Michael D: Executive Vice President for Research and Partnerships, engineering administration engineering experiment, from Lockheed Martin Corp., $312,562, “Completing the Model-Based Definition: Capturing Product Behavioral and Contextual Characteristics through a Model-Based Feature Information Network.”

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


Hertel, Thomas W: agricultural economics, from University of Chicago, $45,169, “Robust Decision-Making on Climate and Energy; Amendment 4; (Grant 108085).”


Hockley, Duncan K and Fellenstein, Carol A: veterinary medicine – administration, veterinary clinical science, from Petsmart Charities, Inc, $100,000, “Priority for Paws Spay and Neuter Initiative.”

Hoffmann, Stephen R: chemistry, from Winifred B. Bilsland Endowment, $21,229, “Cardenas, Emilio.”

Hoffmann, Stephen R: chemistry, from Winifred B. Bilsland Endowment, $21,229, “Tatebe, Caleb.”

Hoffmann, Stephen R: chemistry, from Winifred B. Bilsland Endowment, $21,229, “Adhikari, Sarju.”

Horgan, Briony H: earth & atmospheric sciences, from Jet Propulsion Laboratory, $39,839, “Using Composition to Constrain Paleoenvironments and Sites of Organic Preservation in Gale Crater; Modification 6, Grant 108399.”

Howell, Kathleen: aeronautical & astronautical engineering, from National Aeronautics and Space Administration, $75,000, “Trajectory Design in a Combined Low-Thrust Multi-Body Environment – Cox.”

Howell, Kathleen: aeronautical & astronautical engineering, from National Aeronautics and Space Administration, $75,000, “A Numerical Method to Generate Reference Trajectories for Optimization Methods to Support Low-Thrust Mission Design.”

Hrycyna, Christine A: chemistry, from Multi-Sponsored Industries, $418, “Zara Welch Memorial.”

Hu, Changdeng: medicinal chemistry & molecular pharmacology, from PHS-NIH, National Cancer Institute, $516,741, “Role and Targeting of Prmt5 in Prostate Cancer.”


Hudmon, Andy: medicinal chemistry & molecular pharmacology, from Indiana University, $46,500, “Sodium Channels and Electrogenesis in Sensory Neurons.”

Hudmon, Karen S: pharmacy practice, from National Institutes of Health, $334,816, “Standardized Patients to Assess Competency in Tobacco Cessation Counseling.”


Irazoqui, Pedro; Powley, Terry L; Robinson, Joseph Paul; Ward, Matthew Peter and Liu, Zhongming: biomedical engineering, psychological science, basic medical science, from Defense Advanced Research Projects Agency, $50,000, “Suppressing Inflammation via Neuromodulation of the GI Tract; Modification 5; Grant 107939.”

Irazoqui, Pedro: biomedical engineering, from Bionode LLC, $100,000, “Chronic Glaucoma Treatment via Wearable Devices Driven by Applied Magnetic Fields.”

Irazoqui, Pedro: biomedical engineering, from Chappelle, $21,229, “Swenson, Rachael.”
Ishii to Kuang

Ishii, Mamoru; nuclear engineering, from Nuclear Regulatory Commission, $60,557, “Advanced Two-Phase Instrumentation: Experimental Support for Trace Model Development.”

Ishii, Mamoru; nuclear engineering, from Bechtel Bettis, Inc., $83,000, “Demonstration of Local Measurement of Void Fraction and Interfacial Area at High Pressure and Heat Flux Subcooled Boiling Conditions.”

Jacob, Zubin; electrical & computer engineering, from National Science Foundation, $88,457, “Faculty Early Career Development ( CAREER): Controlling Single Photon Interactions with K-Surface Engineered Nanomaterials.”

Jenkins, Michael A; forestry & natural resources, from U.S. Forest Service, $10,000, “The Use of Prescribed Fire to Promote Oak Species Regeneration within Silvicultural Harvest Treatments.”

Jin, Jian; agricultural & biological engineering, from Monsanto Company, $10,000, "Project Boilermaker.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Agriculture Company, $5,600, “Effect of Spray Volume and Pressure on Xtendimax Weed Control.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Agriculture Company, $5,250, “Harness Max Weed Control System Pre Fb Post.”


Johnson, William G and Young, Bryan G; botany & plant pathology, from Bayer Ag, $9,000, “To Evaluate Weed Control Programs Containing LL, GLY and IFT in Terms of Weed Control and Tolerance and Determine the Utility of FG72/LL Soybeans.”

Johnson, William G; botany & plant pathology, from Monsanto Company, $35,000, “Weed Science Research Voluntary Support.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Agriculture Company, $14,800, "4848_WS18_CHM_HEPO_PPO_W3.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Agriculture Company, $8,800, “4853_WS18_CHM_HEPO_NXD_W8.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Agriculture Company, $6,000, “Xtend Soybean System Comparison – No-Till”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Agriculture Company, $4,600, “Lack of Control in Soybeans.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Agriculture Company, $5,000, “Harness Max Post to Corn and Weeds.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Agriculture Company, $6,000, “HT3 Soybean System Comparison.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Indiana Corn Marketing Council, $48,285, “Control of Herbicide-Resistant Weeds with Cover Crops and Herbicides in Corn Production Systems-Year 2”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Agriculture Company, $5,000, “Harness Max Pre to Corn and Weeds.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Dow Agro Sciences, $10,000, “Enlist Soybean Board Project (Graduate Student Project Involving Enlist Soybeans.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Agriculture Company, $6,100, “PPO Resistant Weed Control.”

Johnston, Cliff T and Holloway, Eric A; agronomy, engineering administration engineering experiment, from Purdue Research Foundation, $12,584, “Oil and Gas Analytical Chemist.” (a Discovery Park award – Energy Center)

Kaganovich, Natalya B; psychological science, from Kinley Trust, $20,000, “Perception of Audiovisual Speech in School-Age Children with Specific Language Impairment and Their Typically Developing Peers.”

Kak, Avinash C; electrical & computer engineering, from Applied Research Associates, Inc, $82,601, "Creation of Operationally Realistic 3-D Environment (CORE3D); Modification 1.”


Key, Nicole L; mechanical engineering, from Honeywell Inc., $365,000, “Honeywell Aerospace Voluntary Support.”

Key, Nicole L; mechanical engineering, from Duke University, $2,000, “Grand Challenges in Turbomachinery Forced Response and NSV (INC 207098).”

Kihara, Daisuke; biological sciences, from National Institutes of Health, $29,516, “Structural Modeling of Multifarious Protein Complexes.”

Kildishev, Alexander V; electrical & computer engineering, from Pennsylvania State University, $187,805, “Acteon – Advanced Computational Toolkit for Engineered Optical Materials; Amendment 5.”

Kingsbury, Bruce A; arts & sciences administration, from Army Corps of Engineers, U.S., $25,000, “Improving Translocation Techniques for Wildlife on DOD Installations; Modification 3, Grant 108288.”


Kluender, Keith R; speech, language and hearing sciences, from Chappelle, $21,229, “Blair, Casie R.”

Krogmeier, James V and Bullock, Darcy M; electrical & computer engineering, civil engineering, from Indiana Department of Transportation, $70,000, “Telematics and Utilization Analysis for Indiana Department of Transportation (INDOT) Mowing Operations.”

Kuang, Shihuan and Liu, Xiaqxi; animal sciences, Cancer Research Center, from National Institutes of Health, $34,100, “PTEN Function in Satellite Cells.”
Landry to Mauer


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

Laskin, Julia: chemistry, from Pacific Northwest National Laboratory, $45,000, “Center for Lung Development Imaging and Omics: Modification 1, Grant 109511.”

Leidy, Heather J: foods & nutrition, from American Egg Board, $20,000, “The Effects of an Egg-Based Breakfast on Appetite Control, Eating Behavior, and Sleep Health in Young Adults Prone to Sleep Disturbances.”

Leidy, Heather J: foods & nutrition, from Sabra Consumer Relations, $109,526, “The Benefits of Consuming Hummus as an Afternoon Snack on Appetite Control, Daily Food Intake, and Diet Quality in Adults.”


Li, Ninghui: computer science, from Indiana University, $60,991, “Correct Enforcement of Access Control Policy in Modern Operating Systems, Amendment 1; Grant 108340.”

Li, Tonglei: industrial & physical pharmacy, from Ross Graduate Fellowship-Assistantship, $27,346, “Deac, Alexandru.”

Li, Tonglei: industrial & physical pharmacy, from Winnings Sun Holdings Limited, $28,800, “Li, Tonglei – Winning Sun Holdings.”

Li, Tonglei: industrial & physical pharmacy, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “INPP – SRG.”


Liceaga, Andrea M: food science, from Impossible Foods Inc., $4,500, “Multi Sponsored Gift- Sensory.”

Lin, Guang: mathematics, from National Science Foundation, $23,965, “Characterization of Bnnt Composites.”


MacGowan, Brian J and Farlee, Lenny D. and Jackson, Elizabeth A: forestry & natural resources, from Indiana Division of Forestry, $115,742, “Indiana Woodland Owner Education Program.”

Manfra, Michael James: physics, from Microsoft Corporation, $150,000, “Microsoft Quantum Computing.”

Mansfield, Charles W: agronomy, from Eastman Chemical Company, $1,600, “Wheat Plant Growth Regulator Test.”


Mansson, Jan-Anders E and Dustin, Joshua S: chemical engineering, Composites Manufacturing & Simulations Center, from Deere & Company, $46,179, “John Deere Composite Pulley Feasibility Study.”

Marconnet, Amy M: mechanical engineering, from Bnnt, LLC, $9,900, “Characterization of Bnnt Composites.”

Mason, Linda J: graduate school administration, from Purdue University Special Initiative Program, $29,971, “Taylor-Watson, Kadari.”

Mason, Linda J: graduate school administration, from Purdue University Special Initiative Program, $30,155, “Montoya, Tiffany.”

Matson, Eric T and Smith, Anthony H: computer & information technology, from Dongguk University, $23,965, “Purdue Dongguk Software Oriented University Summer Program 2018.”

Matson, Eric T and Smith, Anthony H: computer & information technology, from Kyungpook National University, $23,965, “Purdue Kyungpook Software Oriented University Summer Program 2018.”

Matson, Eric T and Smith, Anthony H: computer & information technology, from Sogang University, $33,551, “Purdue Sogang Software Oriented University Summer Program 2018.”

Matson, Eric T and Smith, Anthony H: computer & information technology, from Sejong University, $9,586, “Purdue Sejong Software Oriented University Summer Program 2018.”

Matson, Eric T and Smith, Anthony H: computer & information technology, from Chung-Ang University, $23,965, “Purdue Chung-Ang Software Oriented University Summer Program 2018.”

Matson, Eric T and Smith, Anthony H: computer & information technology, from Kyung Hee University, $19,172, “Purdue Kyung Hee Software Oriented University Summer Program 2018.”

Matson, Eric T and Smith, Anthony H: computer & information technology, from Seoul Womens University, $9,586, “Purdue Seoul Women Software Oriented University Summer Program 2018.”

Mattson, Marifran: communication, from Ross Graduate Fellowship-Assistantship, $23,229, “Elise Taylor.”

Mauer, Lisa J and Allan, Matthew C: food science, from National Institute of Food & Agriculture, $165,000, “The Effects of Sugars and Salts on Starch Retrogradation – Allan, Matthew.”
Mayes to Pinal

Mayes, Amanda S: Purdue Convocations, from Arts Midwest, $3,200, “Postsecret: The Show.”

Maynard, Elizabeth T: horticulture & landscape architecture, from Mary S. Rice Farm Estate, $3,500, “Improving Soil Preparation and Stand Establishment for Vegetable Research.”


Mei, Jianguo: chemistry, from National Science Foundation, $106,087, “Faculty Early Career Development (CAREER): Impact of Flow-Induced Chain Alignment in Melt-Processed Complementary Semiconducting Polymer Blends.”


Mendrysa, Susan M: basic medical science, from Winifred B. Bilsland Endowment, $14,221, “Cruz Cruz, Joselyn.”

Mengiste, Tesfaye D: botany & plant pathology, from Kansas State University, $122,903, “Genetic Improvement of Sorghum for Resistance to Fungal Pathogens.”

Mesecar, Andrew D: biochemistry, from Purdue Research Foundation (PRF) Summer Research Grants, $26,585, “BCHM – SRG.”


Moore, Tamara J and Guzev, Siddika: engineering education, curriculum & instruction, from University of Minnesota, $70,485, “EngrTEAMs: Engineering to Transform the Education of Analysis, Measurement, and Science in a Team-Based, Targeted Mathematics-Science Partnership, Amendment 7; (Grant 107039).”

Mosier, Nathan S: agricultural & biological engineering, from Indiana Soybean Alliance, $49,735, “Development of Enzymatic Process for Soy-Based Polymers.”

Mudawar, Issam: mechanical engineering, from National Aeronautics and Space Administration, $50,000, “Flow Boiling and Condensation Experiment (FBCE).”

Mudawar, Issam: mechanical engineering, from National Aeronautics and Space Administration, $20,000, “Flow Boiling and Condensation in Microgravity-NSTRF Fellowship for Lucas Onnell.”


Newton, Kathryn A: engineering technology, from Winifred B. Bilsland Endowment, $17,642, “Proman, Marlen.”

Nielsen, S Suzanne: food science, from University of Greenwich, $12,902, “Nutri-P-Loss: Nutritional Postharvest Loss Estimation Methodology.”

Noinaj, Nicholas: biological sciences, from PHS-NIH National Institute of General Medical Science, $286,396, “Structural Characterization of the TOC Protein Translocon Machinery.”

Ohaire, Marguerite E: comparative pathobiology, from Purdue Doctoral Program, $31,904, “Jensen, Clare.”

Olek, Jan: civil engineering, from Indiana Department of Transportation, $97,821, “Development of Subgrade Stabilization and Slab Undersealing Solutions for PCC Pavements Restoration and Repairs SPR-4004.”

Owada, Takashi: statistics, from National Science Foundation, $43,253, “Random Algebraic Topology.”


Parsons, Paul: computer graphics technology, from National Science Foundation, $16,000, “CRII: CHS: Understanding Cognitive Potentials of Interactive Visualizations.”

Pastakia, Sonak D: pharmacy practice, from Moi University, $15,819, “Strengthening Referral Networks for Management of Hypertension Across the Health System (Strengths).”

Patton, Aaron J: horticulture & landscape architecture, from Midwest Regional Turf Foundation, $32,000, “Turfgrass Research.”

Patton, Aaron J: horticulture & landscape architecture, from Red Hen Turf Farm Inc, $500, “Patton Multi Sponsored #2 (Orig 301226).”

Patton, Aaron J: horticulture & landscape architecture, from Dow Agro Sciences, $9,000, “Evaluation of Gameon and Relzar for Broadleaf Weed Control.”

Payer, Mathias J: computer science, from Office of Naval Research, $100,000, “Towards Transformation-Based Legacy Software Fitness: Usage-Driven Binary Debloating and Hardening.”

Pekny, Joseph F: chemical engineering, from United States Military Academy, $129,000, “Developing Best Practices in Civilian Military Educational Partnerships.”

Perkins Coppola, Matthew P and Masters, Mark F: educational studies, physics, from American Institute of Physics, $24,805, “Physics Festival for Student and Teacher Teams.”


Peterson, John R: physics, from University of Arizona, $15,000, “Updated Implementation of the JWST NIRCam Instrument in the Photon Simulator (PhoSim).”

Peterson, John R: physics, from Association of Universities for Research In Astronomy, $110,000, “Phosim Large Synoptic Survey Telescope (LSST) Characteristics Development & Large-Scale Image Production.”

Pinal, Rodolfo: industrial & physical pharmacy, from AstraZeneca Pharmaceuticals LP, $40,000, “Center for Pharmaceutical Processing Research Consortium.”
Pogranichniy to Saunders

Pogranichniy, Roman M and Ragland, Darryl; comparative pathobiology, veterinary clinical science, from Foreign Agricultural Service, $149,798, “Biosecurity for African Swine Fever Virus.”

Pol, Vilas G; Mukherjee, Partha P; Tomar, Vikas; Adams, Thomas E and Sharma, Pankaj; chemical engineering, mechanical engineering, aeronautical & astronautical engineering, nuclear engineering, engineering technology, from Office of Naval Research, $541,661, “Li-Ion Battery Safety by Prevention, Detection, and Control.”

Pothen, Alex; computer science, from U.S. Department of Energy, $181,034, “Combinatorial Algorithms to Enable Scientific Computing on Multithreaded Architectures.”

Pothen, Alex; computer science, from Pacific Northwest National Laboratory, $60,597, “Exagraph: Combinatorial Methods for Enabling Exascale Applications; Modification 1; Grant 109198.”

Pourpoint, Timothee L; aeronautical & astronomical engineering, from National Aeronautics and Space Administration, $40,000, “Reactive Nano Scale Emulsions for High Performance Hybrid Propulsion – Joshua Mathews.”

Pourpoint, Timothee L; aeronautical & astronomical engineering, from Sandia National Laboratories, $81,000, “Investigation and Diagnosis of Rocket Exhaust Plumes.”

Pourpoint, Timothee L; aeronautical & astronomical engineering, from National Aeronautics and Space Administration, $75,000, “Measurement and Modeling of Surface Coking in Fuel-Film Cooled Liquid Rocket Engines – Rufat Kulakhetmov.”

Pourpoint, Timothee L; aeronautical & astronomical engineering, from IERUS Technologies, Inc, $95,000, “Vacuum Chamber Testing of Rocket Nozzle for Exo-Atmospheric Plume Project.”

Purzer, Senay and Sharma, Pankaj; engineering education, industrial technology, from The Concord Consortium Inc, $82,509, “Science and Engineering Education for Infrastructure Transformation (SEEIT).”

Qu, Ming and Yazawa, Kazuaki; civil engineering, from National Science Foundation, $205,591, “Collaborative US-Ireland: Thermo-electric Concrete Envelope (ThermoConc).”

Ramanathan, Shriram; materials engineering, from Air Force Office of Scientific Research, $153,746, “Carrier Doping and Dynamics in Correlated Oxides.”


Ramirez, Julio Alfonso; civil engineering, from Purdue University, $429,833, “New Horizon: Human Settlements for Extreme Environments.”

Ramkrishna, Doraiswami; chemical engineering, from Abbvie Inc, $40,000, “Modeling of Crystal Morphology and Polymorphs.”

Rasche, Nancy J; computer graphics technology, from Ford Motor Company, $211,839, “Collaborative Software Application for System Engineering FEDE.”

Rhoads, Jeffrey Frederick; Bolton, J Stuart; Davies, Patricia; Gonzalez, Marcial and Son, Steven F; mechanical engineering, from Air Force Research Laboratory, $50,000, “Exploring the Thermomechanics of Energetic and Mock Energetic Composite Materials Under Quasi-Static.”

Rhoads, Jeffrey Frederick and Bolton, J Stuart; mechanical engineering, from Office of Naval Research, $54,000, “Acoustics-Based IED Detection and Neutralization.”

Ribeiro, Fabio H; chemical engineering, from Tenawa Resource Management, LLC, $10,000, “2017-18 Membership Fees for CISTAR Industrial Advisory Board.”

Ribeiro, Fabio H; Cardella, Monica E and Harris, Michael T; chemical engineering, engineering education, from National Science Foundation, $100,000, “Research Experience and Mentoring Program – ERC Supplement.”


Ritchie, Kenneth P; physics, from Purdue Research Foundation (PRF) Summer Research Grants, $79,755, “Phys – SRG.”

Rochet, Jean-Christophe; Cannon, Jason R and Zhang, Min; medicinal chemistry & molecular pharmacology, health sciences, statistics, from Michael J. Fox Foundation, $57,000, “Neuroprotective Effects of NFE2L1 in PD Models.”

Rompf, Tiark; computer science, from Google Inc, $80,000, “Multi-Sponsored Voluntary Support.”

Roy, Kaushik and Raghunathan, Anand; electrical & computer engineering, from Indiana Economic Development Corporation, $1,515,000, “C-BRIC: Center for Brain-Inspired Computing Enabling Autonomous Intelligence.”

Ryu, Minjung; chemistry, from National Science Foundation, $42,252, “Collaborative Research: Project Reset: Refugee Engagement in Science Exploration for Transformative Purposes.”


Sanmiguel, Sandra F; Burgess, Wilella Daniels and Parker, Loran Carleton; veterinary medicine – administration, education – administration, from PHS-NIH Office of the Director, $235,164, “This is How We Role: Inspiring Future Researchers through Veterinary Medicine.”

Sanmiguel, Sandra F; veterinary medicine – administration, from University of Arizona at Pine Bluff, $58,900, “Increasing Minority Student Participation in the Veterinary Sciences through Outreach, Curriculum Development and Experiential Learning.”

Saunders, Michael R; Swihart, Robert K; Aime, Mary Catherine; Dunning, John B and Holland, Jeffrey D; forestry & natural resources, botany & plant pathology, entomology, from Indiana Department of Natural Resources, $629,790, “Hardwood Ecosystem Experiment (2018-2020).”
Savikhin to Topp

Savikhin, Sergei F; physics, from National Science Foundation, $70,000, “Research Experience for Undergraduates (REU) Site: Multidisciplinary Physics at Purdue University.”


Schinckel, Allan P and Ajuwon, Kolapo; animal sciences, from University of Arizona, $26,851, “Engineering Soybeans to Enhance Gut-Health.”

Schmitt, Sara A; Purpura, David J; Duncan, Robert J and Elicker, James G; child development & family studies, from Indiana Family & Social Services Administration, $820,297, “On My Way Prekindergarten Expansion Project.”


Schoenlein, William E and Durkes, Abigail C; biomedical engineering, comparative pathobiology, from Cook Research Incorporated, $138,489, “Pre-Clinical Device Testing Agreement; Studies: CI-MADN, CI-RRFR, CI-PMSG, CI-VARB, CI-BIOH, CI-BIOM, CI-ZNTH/CI-ZTHO-PART THREE and POC.”

Seleem, Mohamed; comparative pathobiology, from NIH National Institute of Allergy and Infectious Diseases, $447,761, “Repurposing Auranofin and Ebselen for Treatment of Multidrug Resistant Pathogens.”

Sen, Shreyas; electrical & computer engineering, from Georgia Institute of Technology, $26,750, “Self-Powered IoT Sensor Node with In-Situ Data Analytics and Energy-Aware End-to-End Real-Time Optimization (209823).”

Sepulveda, Maria Soledad; forestry & natural resources, from Department of the Army, $387,016, “Development of Amphibian Poly- and Perfluoroalkyl Substances Toxicity Reference Values.”

Shalaev, Vladimir M and Boltasseva, Alexandra; electrical & computer engineering, from Harvard University, $339,286, “Active Metasurfaces for Advanced Wavefront Engineering and Waveguiding; Amendment 5; Grant 107476.”

Shan, Jie; civil engineering, from Indiana Department of Transportation, $154,975, “Investigation of Durability and Performance of High Friction Surface Treatment.”

Sheehan, Amy Heck; pharmacy practice, from Janssen Scientific Affairs, $117,602, “FDA/Purdue/ Janssen Scientific Affairs Drug Information Pharmaceutical Fellowship.”


Slabaugh, Carson D and Lucht, Robert P; aeronautical & astronautical engineering, from GE Aviation, $207,000, “Advanced Combustion Diagnostics at Engine Conditions.”

Snow, Lowell D; Technical Assistance Program, from Genedge Alliance, $100,000, “MedAccred-Purdue University Manufacturing Extension Partnership.”

Son, Steven F; mechanical engineering, from National Aeronautics and Space Administration, $51,904, “Development and Characterization of a Novel Additive Manufacturing Technology Capable of Printing Propellants with High Solids Loadings – Fellowship for McClain.”

Staiger, Christopher J; botany & plant pathology, from Purdue Research Foundation (PRF) Summer Research Grants, $37,219, “Biol – SRG.”

Stefanska, Barbara M; Cancer Research Center, from Purdue University, $10,000, “Epigenetic Regulation of Enhancer Regions in Breast Cancer.”

Strachan, Alejandro H; materials engineering, from Office of Naval Research, $1,311,589, “Pc@Xtreme – Predictive Chemistry & Physics at Extreme Temperature and Pressure: Molecules, Crystals.” (a Discovery Park award – Network for Computational Nanotechnology)

Sudhoff, Scott D; electrical & computer engineering, from National Renewable Energy Laboratory, $33,336, “SuNLaMP AMPVI: Develop Magnetics Design Optimization Tool and Design and Construct Optimized Power Magnetics; Modification12; Grant 108167.”

Sudhoff, Scott D; electrical & computer engineering, from Florida State University, $130,147, “Purdue 2017-2021 Esrdc Efforts; Amendment 6; (Grant 108689).”


Talavage, Thomas M; electrical & computer engineering, from Bemcalc Inc, $22,000, “Talavage Voluntary Support.”

Taleyarkhan, Rusi P; nuclear engineering, from Oak Ridge Associated Universities, $3,750, “Fellowship Check TBD.”

Tesini Rosequin, Bruno; Kim, Kyoungrae and Gavin, Timothy P; health & kinesiology, from Gatorade Sport Science Institute, $125,598, “Accelerating Postexercise Muscle Glycogen Resynthesis in Humans: Impact of Intermittent Pneumatic Compression and Heat Therapy.”

Thompson, David H; chemistry, from Cornell University, $100,067, “Modulation of Lipid Bisretinoids Clearance with Beta-Cyclodextrins; Amendment 2; Grant 109621.”

Tonnsen, Bridgette L; psychological science, from PHS-NIH National Institute of Mental Health, $182,514, “Teleheal Assessment of Syndromic Autism Risk in Infants.”

Topp, Elizabeth M; industrial & physical pharmacy, from Corvidia Therapeutics, $9,980, “Lyophilization of an Amphipathic Peptide.”

Topp, Elizabeth M; industrial & physical pharmacy, from Baxter Healthcare Corporation, $12,500, “Support for Iris Cho.”
Trekles to Zhang

**Trekles, Anastasia M** and **Stefanek, George L;** education, computer information technology, from National Security Agency, $95,854, “PWN Gencyber Summer Boot Camp for High School Teachers in North Carolina, Northwest Indiana and Southwest Michigan.”

**Tsoukalas, Lefteri** and **Alamaniotis, Miltiadis;** nuclear engineering, from Office of Naval Research, $140,000, “Critical System Simulation Tool for Investigating the Resilience of a Cyberphysical Security Ecosystem.”

**Tung, Wen-Wen;** earth & atmospheric sciences, from Winifred B. Bilsland Endowment, $17,562, “De, Bithi.”

**Tung, Wen-Wen;** earth & atmospheric sciences, from Winifred B. Bilsland Endowment, $3,667, “De, Bithi.”

**Tyner, Wallace E;** agricultural economics, from Soil Health Institute, $6,446, “Soil Health Data Analysis.”

**Useem, Bert;** sociology, from Charles Koch Foundation, $25,921, “Restrictive Housing in California Prisons in the Aftermath of Ashker V. Governor of California: A Longitudinal Mixed Methods Study.”

**Velasquez, Juan D** and **Hoagland, Lori A;** Office of Corporate and Global Partnerships, horticulture & landscape architecture, from Colfuturo, $50,000, “Culfturo Latin American Technical, Research and Administration Leaders Program (Lateral) – Maria Paula Zea.”

**Voyles, Richard M;** engineering technology, from Mark V Automation Corp, $5,000, “Rose-Hub Membership (Members Cost Shared on 107355).”

**Vyn, Tony J;** agronomy, from Monsanto Company, $87,767, “Determination of Plant N Efficiency Gains in Elite Corn Hybrids Exposed to Varying N Management.”

**Vyn, Tony J;** agronomy, from Indiana Corn Marketing Council, $59,557, “Practical Placement Strategies for Potassium Fertilizer in Corn – Year 2.”

**Walker, Victoria L** and **Hanshaw, George O;** curriculum & instruction, from Wiley, $4,400, “Creating a Connected Classroom.”

**Wang, Haiyan;** materials engineering, from National Science Foundation, $55,372, “From Atomic Scale Strain Probing to Smart 3-D Interface Design.”

**Wang, Haiyan;** materials engineering, from Office of Naval Research, $85,000, “Strain Driven Novel Layered Oxide Thin Films with Unique Functionalities.”


**Wang, Xiaoming;** engineering technology, from Ryobi Die Casting (USA) Inc, $5,000, “Refactory for Melting Aluminum.”

**Weake, Vikki Marie;** biochemistry, from PHS-NIH National Eye Institute, $38,158, “Epigenetic Regulation of Gene Expression in the Aging Eye.”

**Webb, Kevin J;** electrical & computer engineering, from Army Research Office, $70,000, “The Optomechanical Response of Nanostructured Materials.”

**Weibel, Justin A;** mechanical engineering, from Ford Motor Company, $45,000, “Ford URP – Voluntary Support.”


**Wendt, Michael K;** medicinal chemistry & molecular pharmacology, from Winifred B. Bilsland Endowment, $15,815, “Shinde, Aparna.”

**Wendt, Michael K;** medicinal chemistry & molecular pharmacology, from PHS-NIH National Cancer Institute, $34,933, “Overcoming Metastatic Resistance to Erbb-Targeted Therapies.”

**Wilker, Jonathan J;** chemistry, from Office of Naval Research, $66,159, “Biomimetic Adhesives Delivered Underwater, with Charges, and from Renewable Resources.”

**Wilker, Jonathan J;** chemistry, from Office of Naval Research, $47,986, “Biomimetic Adhesives for Underwater Bonding.”

**Williams, Samantha M;** field extension educators, from Pulaski Alliance for Community Education, $6,425, “2018 Pace Grant.”

**Woodcox, Stephanie G;** health and human sciences, from Indiana State Department of Health, $55,109, “Mental Health First Aid.”

**Yeomans, Christopher L;** philosophy, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “Phil – SRG.”

**Young, Bryan G;** botany & plant pathology, from West Central, $7,350, “Multi Sponsored Gift Account.”


**Young, Bryan G;** botany & plant pathology, from Brandt Consolidated, $4,200, “Multi Sponsored Gift Account.”

**Young, Bryan G** and **Johnson, William G;** botany & plant pathology, from Bayer Ag, $4,500, “2018 University Field Trial Agreement (HP18USAXP4).”

**Yu, Wenbin;** aeronautical & astronautical engineering, from Cytec Industries Inc, $50,000, “CDM HUB (Consortium).”

**Zhang, Guangjun;** comparative pathobiology, from Ross Graduate Fellowship-Assistantship, $31,904, “Han, Han.”

**Zhang, Hao;** statistics, from Purdue Research Foundation (PRF) Summer Research Grants, $42,536, “Stat – SRG.”

**Zhang, Zhong-Yin;** medicinal chemistry & molecular pharmacology, from Wayne State University, $36,120, “WSU Support for Graduate Student at Purdue.”

**Zhang, Zhong-Yin;** medicinal chemistry & molecular pharmacology, from National Institutes of Health, $46,947, “Development of SHP2 Inhibitors for Targeted Anti-Cancer Therapy.”

**Zhang, Zhong-Yin;** medicinal chemistry & molecular pharmacology, from Purdue Doctoral Program, $29,591, “Jung, Da.”
Zhang to Zimpfer

**Zhang, Zhong-Yin**; medicinal chemistry & molecular pharmacology, from Purdue Research Foundation (PRF) Summer Research Grants, $15,951, “MCPH – SRG.”

**Zhang, Zhong-Yin**; medicinal chemistry & molecular pharmacology, from Purdue University F N Andrews Fellowship, $29,663, “Verburgt, Jacob.”

**Zhang, Zhong-Yin**; medicinal chemistry & molecular pharmacology, from Ross Graduate Fellowship-Assistantship, $27,346, “Pelfrey, Ian.”

**Zhang, Zhong-Yin**; medicinal chemistry & molecular pharmacology, from Ross Graduate Fellowship-Assistantship, $27,346, “David, Emily.”

**Zhou, Chenn Qian** and **Silaen, Armin K**; Center for Innovation Through Visualization & Simulation, from Nucor Steel Corp., $9,897, “Computational Fluid Dynamics (CFD) Study on Water Distribution Inside the Process Gas Quench Orifice and Venturi Scrubber.”

**Zhou, Chenn Qian** and **Silaen, Armin K**; Center for Innovation Through Visualization & Simulation, from Enbridge, $40,398, “Enbridge Tank Mixer Simulation.”

**Zhu, Jian-Kang**; horticulture & landscape architecture, from Konkuk University, $64,444, “Letter of Agreement to Conduct Collaborative Research-Plant Stress Research for Climate Change.”

**Zillich, Alan J**; pharmacy practice, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “PHPR – SRG.”

**Zillich, Alan J**; pharmacy practice, from Ross Graduate Fellowship-Assistantship, $27,346, “Amarh, Enoch.”

**Zimpfer, Mark D** and **De Cresce El Debs, Luciana**; building construction & management technology, from National Housing Endowment, $100,000, “Purdue SCMT Construction Channel Sponsored by the NHE.”

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