Abdel-Khalik, Hany S; nuclear engineering, from Idaho National Laboratory, $40,000, “Improvements of Algorithms for the Production of Prototypical Synthetic Time Histories.”

Abel, Steven R; Office of Engagement Administration, from Woodrow Wilson National Fellowship Foundation, $42,000, “Indiana Teaching Fellowship Program (41000243).”

Ajuwon, Kolapo; animal sciences, from Biomatrix Inc, $33,000, “Swine Research.”

Alexeenko, Alina; aeronautics & astronautics, from National Institute for Innovation In Manufacturing Biopharmaceuticals, $8,972, “Software and Hardware Tools for Pharmaceutical Lyophilization Scale-Up; Amendment 1, Grant 19200236.”

Alexeenko, Alina; aeronautics & astronautics, from Pfizer Inc, $10,000, “LyoHub Consortium (Pfizer).”

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

Alexeenko, Alina; aeronautics & astronautics, from Hoffmann-La Roche Inc., $30,000, “LyoHub Consortium-Hoffmann-La Roche Ltd.”

Ambikapathi, Ramya and Gunaratna, Nilupa S; nutrition science, from University of South Carolina, $124,884, “Diet, Environment, & Choices of Positive Living (Decide Study):Evaluating Personal & External Food Environment Influences on Diets Among PLHIV & Families in Dar es Salaam, Tanzania; Amendment 1, Grant 210499.”

Anderson, Gina M; field extension, from Duke Energy Foundation, $2,500, “Pollinator Day.”

Appenzeller, Joerg; electrical & computer engineering, from Intel Corporation, $110,000, “Dirac-Source FET with TMD Channel”

Armstrong, Shalamar D; agronomy, from Illinois State University, $23,478, “The Effect of Cover Crops on Surface Water Quality: A Paired Watershed Experiment in the Lake Bloomington Watershed Year 3.”


Bagchi, Saurabh; electrical & computer engineering, from Adobe Systems Incorporated, $10,000, “Adobe.”

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

Bailey, Regan K; nutrition science, from Wallace, Taylor C, $13,750, “Think Healthy Voluntary Support - Bailey.”

Basaran, Osman A; chemical engineering, from Amgen,Inc, $25,000, “Purdue Process Safety and Assurance Center (P2SAC).”

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

Basaran, Osman A; chemical engineering, from Kenexis, $3,750, “Purdue Process Safety and Assurance Center (P2SAC).”

Basaran, Osman A; chemical engineering, from Lilly (ELI) and Company, $25,000, “Purdue Process Safety and Assurance Center (P2SAC).”

Beaulieu, Lionel J; Office of Engagement Administration, from Office of Small Business & Entreship, $41,916, “Hoosier Heartland Small Business Development Center (SBDC) - State.”

Beaulieu, Lionel J; Office of Engagement Administration, from Office of Small Business & Entrepreneurship, $115,427, “Southeast Small Business Development Center (SBDC) - Federal.”

Beaulieu, Lionel J; Office of Engagement Administration, from Office of Small Business & Entrepreneurship, $45,800, “Southeast Small Business Development Center (SBDC) - State.”

Beaulieu, Lionel J; Kumar, Indraneel and Zhalnin, Andriy V; Office of Engagement Administration, Purdue Center for Regional Development, iSTEM, from Indiana Soybean Alliance, $24,878, “Updating and Mapping the Agricultural Assets of Indiana Counties and Regions.”

Beaulieu, Lionel J; Kumar, Indraneel; Wilcox, Michael D and Zhalnin, Andriy V; Office of Engagement Administration, Purdue Center for Regional Development, iSTEM, field extension educators, from Rural Development, $388,949, “The Rural Economic Development Innovation (REDI) Initiative.”

Bhargava, Bharat; computer science, from Jet Propulsion Laboratory, $24,500, “Security Architecture for Graph Databases.”

Bhunia, Arun K; food science, from Biomatrix Inc, $10,000, “Shuttleworth North America.”

Bigelow, Cale A; horticulture & landscape architecture, from Turfgrass Water Consrvn Alliance Ltd, $5,000, “Putting Greens Research.”

Bigelow, Cale A; horticulture & landscape architecture, from Aqua-trols Corporation of America, $5,500, “Putting Greens Research.”

Bogdanor, Michael J; Composites Manufacturing & Simulation Center, from Nexteer, $36,590, “Anisotropic Material Model for Steering Column FEA.”
Boltavessa to Devabhaktuni


Boor, Brandon E; civil engineering, from National Science Foundation, $295,802, “Faculty Early Career Development (CAREER): Formation, Growth, and Phase State of Organic Nanoaerosols in Indoor Environments.”

Boudouris, Bryan W; chemical engineering, from National Science Foundation, $102,507, “Faculty Early Career Development (CAREER): Advanced Molecular Architectures for Electronically-Active Radical Polymers.”


Bouman, Charles A; electrical & computer engineering, from UT-Battelle LLC, $100,000, “Ultrasonic Imaging for NDE Applications.”

Braun, James E; mechanical engineering, from Carrier Corporation, $50,000, “Center for High Performance Building Consortium.”

Brumley, Joel T; field extension, from Ball Brothers Foundation, $5,000, “3-D Printer Camp.”

Buckmaster, Dennis; agricultural & biological engineering program, from Winfield Solutions LLC, $50,000, “OATS Consortium.”

Buckmaster, Dennis; agricultural & biological engineering program, from Deltatrak, Inc, $15,000, “OATS Consortium.”

Buzon, Michele R; anthropology, from University of Chicago, $11,826, “Year 2 Increase: Coping with Changing Climates in Early Antiquity: Comparative Approaches Between Empiricism and Theory (40002193).”


Caffee, Marc W; physics & astronomy, from U.S. Geological Survey, $8,175, “10Be and 26Al from Geologic Samples.”

Caffee, Marc W; physics & astronomy, from U.S. Geological Survey, $8,138, “In-Situ-Produced Cosmogenic Nuclides from Rock and Minerals.”

Cakmak, Mukerrem; mechanical engineering, from Ford Motor Company, $200,000, “Vehicle E-Skin via Piezoelectric Nano Flexible Sensors.” (a Discovery Park award – Birck Nanotechnology Center)

Caldwell, Barrett S and Johnson, Mary E; industrial engineering, aviation & transportation technology, from Federal Aviation Administration, $11,814, “WTIC Helicopter Gap Analysis Research Project Plan.”

Campbell, Wayne W; nutrition science, from National Cattlemen’s Beef Association, $55,000, “Dietary Meat and Chronic Disease: An Assessment of Causality.”

Chen, Weinong W; aeronautics & astronautics, from Los Alamos National Laboratory, $22,388, “New Scintillator-Based Methods for Material Dynamic Studying Using X-Rays; Amendment 1; Grant 14000360.”

Chen, Yong P and Shalaev, Vladimir M; electrical & computer engineering, from Office of Naval Research, $15,500, “International Symposium on Quantum Science & Technology (ISQST).”

Chen, Zhihong; electrical & computer engineering, from Ford Motor Company, $104,500, “Energy Harvesting by Piezoelectric Polymers with Graphene.” (a Discovery Park award – Birck Nanotechnology Center)

Chiu, George T; mechanical engineering, from Institute of Electrical Electronics Engineering, $36,000, “Institute of Electrical and Electronics Engineers (IEEE) Transactions on Mechatronics Editorial Service Agreement.”

Chmielewski, Jean A; chemistry, from National Science Foundation, $51,314, “AGEP Supplement to Cationic Amphiphilic Polyproline Helices (CAPHs) - Coupling Antibacterial Activity with Mammalian Cell Penetration.”

Chopra, Gaurav; chemistry, from Merck Sharp & Dohme Corp, $5,000, “Development of Computational Methods to Predict Peptide Aggregation.”

Couture, John J; entomology, from University of Wisconsin-Madison, $5,662, “Foliar Traits and Ecosystem Variability Across NEON Domains; Amendment 2; Grant 10001229.”

Creek, Julie A; diversity & multicultural affairs, from Indiana Commission for Higher Education, $2,000, “2018-2019 Scholarcorps AmeriCorps Program.”


Deering, Amanda J; food science, from Indiana State Department of Health, $172,000, “Produce Safety (00077207).”

DeLaurentis, Daniel A; Guariniello, Cesare and Howell, Kathleen; aeronautics & astronautics, from Von Braun Center for Science & Innovation, $20,000, “EUREKA (Education Underscores Rewards in Economic/Knowledge Attainment)-Based Sytems Approach for Space Architecture Definition.”


Delp, Edward J; electrical & computer engineering, from Air Force Research Laboratory, $1,087,541, “Media Forensics Integrity Analytics.”

Devabhaktuni, Vijaya Kumar; electrical & computer engineering, from National Science Foundation, $91,849, “CM/Collaborative Research: Cloudmems: Cybermanufacturing of Micro-Electro-Mechanical Systems.”
DeWoody to Heister

DeWoody, James Andrew: forestry & natural resources, from Texas Technology University, $149,258, “Gray Whale Genomics and Historical Demography.”

DeWoody, James Andrew: forestry & natural resources, from Texas A&M Agrilife Research, $149,265, “Reintroduction as a Population Restoration Technique and Micro-Habitat Assessment of Translocated Northern Bobwhites.”

DeWoody, James Andrew: forestry & natural resources, from Indiana Department of Natural Resources, $12,337, “Determination of River Otter (Lutra Canadensis) Diets Using DNA.”

Dou, Letian: chemical engineering, from Office of Naval Research, $750,000, “Molecular Engineering of Highly-Stable High-Performance Lead-Free Perovskite Solar Cells.”

Doudareva, Natalia: biochemistry, from Michigan State University, $289,076, “Evolution of Specialized Metabolite Biosynthetic Pathways in the Lamiaceae: Sources of Chemical Diversity for Molecules Essential for Human Use and Plant Defense; Amendment 5; (Grant 10000890).”


Elliott, Julie L: earth, atmospheric and planetary sciences, from National Science Foundation, $11,138, “Collaborative Research: Geodetic Field Response to the 2018 M7 Anchorage Earthquake.”

Farkas, Brian E: food science, from The Pines Farm Hops, LLC, $70, “Multi Sponsored Gift Fermentation.”

Farkas, Brian E: food science, from The Tap, $140, “Multi Sponsored Gift Fermentation.”

Farkas, Brian E: food science, from Emily D Edwards, $700, “Pilot Plant Multi-Sponsored Gift.”

Farkas, Brian E: food science, from Crazy Horse Hops LLC, $100, “Multi Sponsored Gift Fermentation.”

Farkas, Brian E: food science, from Bohman Bee Company, Inc, $20, “Multi Sponsored Gift Fermentation.”

Farkas, Brian E: food science, from Kathryn Rippel, $500, “Multi Sponsored Gift Fermentation.”

Farkas, Brian E: food science, from Dean M and Ellen P Vonderheide, $50, “Multi Sponsored Gift Fermentation.”

Farkas, Brian E: food science, from Crazy Horse Hops LLC, $50, “Multi Sponsored Gift Fermentation.”

Farkas, Brian E: food science, from Walrus Snack Brands Inc, $3,600, “Pilot Plant Multi-Sponsored Gift.”


Figueiredo, Marxa L: basic medicine science, from PHS-NIH National Cancer Institute, $58,854, “Disrupting Tumor/Bone Malignant Interactions with Multifunctional Cytokine Sonodelivery.”


Forney, James D: biochemistry, from National Science Foundation, $82,898, “Research Experience for Undergraduates (REU) Site: Molecular and Biochemical Analysis of Proteins.”

Foster, Ricky E and Ballard, Roy W: agricultural administration, field extension, from University of Minnesota, $130,000, “Indiana Professional Development Program (PDP) State Plan of Work, Calendar Years 2019-2020.”


Goldwasser, Dan: computer science, from Google Inc, $100,000, “Voluntary Support Projects.”

Gondhalekar, Ameya D: entomology, from MGK Insect Control Solutions, $85,000, “EPA Efficacy Dossier Generation for Two Formulations of Exp 141940001 Against Bed Bugs, Cimex Lectularius.”

Goni Cortes, Joaquin: industrial engineering, from Indiana University Purdue University at Indianapolis, $27,728, “Statistical Models for Multi-Modal Brain Imaging Studies of HIV-Associated Cognitive Decline.”

Gounder, Rajamani P: chemical engineering, from Korea University, $6,000, “Byungjin Lee- Purdue University/Korea University BK Plus Exchange Program (Faculty Sponsor: Dr. You Yeon Won).”


Gunaratna, Nilupa S: nutrition science, from Project Concern International, $253,583, “Effect and Effect Plus.”

Haddock, John E: civil engineering, from Charles and Anna M Miller, $35,000, “Haddock Voluntary Support.”


Handwerker, Carol A: materials engineering, from Ames Laboratory, $429,600, “Critical Material Institute Year 6 and 7; Modification 1; Grant 1400382.”

Handy, James C: TAP/Manufacturing Extension Partnership, from Indiana Department of Transportation, $34,936, “Central HMA Acceptance Lab Process Improvement Project.”

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

Hertel to Lenz

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


Hertel, Thomas W; agricultural economics, from University of Hohenheim, $20,435, “Global Trade Analysis Project (GTAP) Consortium (University of Hohenheim).”

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

Hogenesch, Harm and Ragland, Darryl; comparative pathobiology, veterinary clinical sciences, from Teichos Laboratories, LLC, $9,663, “Investigation of the Adjuvant Potential of a Synthetic Peptidoglycan in Swine.”

Horgan, Briony H; earth, atmospheric and planetary sciences, from Arizona State University, $14,675, “Mastcam-Z: A Geologic, Stereoscopic, and Multispectral Investigation for the National Aeronautics and Space Administration (NASA) Mars-2020 Rover Mission.”

Huang, Jen-Yi; food science, from The Abide Idea Company, $3,500, “Multi Sponsored Gift.”

Hubbard, Sarah M and Fricker, Jon D; aviation and transportation technology, civil engineering, from Indiana Department of Transportation, $109,709, “Assessment of an Offset Pedestrian Crossing for Multilane Arterials.”

Hung, Chen-Lung; physics & astronomy, from National Science Foundation, $149,166, “Faculty Early Career Development (CAREER): Quantitative Tools to Measure the Spatiotemporal Dynamics of Protein Signaling Complexes.”


Jacob, Douglass F; forestry & natural resources, from LHF Black Walnut LLC, $5,000, “HTIRC/CAFS Voluntary Support.”

Jin, Jian; agricultural & biological engineering program, from University of Nebraska, $8,341, “High through Put Phenotyping to Accelerate Biomass Sorghum Improvement”

Johnston, Cliff T; agronomy, from Agricultural Spectrum Company, $100,000, “Foliar Additives Research.”

Jones, Owen Griffith and Reuhs, Bradley L; food science, from Higher Education Commission Pakistan, $3,500, “Bench Fee Nida Kanwal.”

Jung, Andreas; physics & astronomy, from Fermi National Accelerator Laboratory, $1,239, “High Luminosity (HL) LHC Compact Muon Solenoid (CMS) Detector Upgrade Project Outer Tracker.”

Karcher, Darrin M; Johnson, Timothy and Lindemann, Stephen R; animal sciences, food science, from Nutramaize LLC, $13,142, “Orange Corn Influences on Poultry Health and Gut Microbiomes.”


Key, Nicole L; mechanical engineering, from Honeywell International Foundation Incor, $245,000, “Multi Sponsor Voluntary Support.”

Kinzer-Ursem, Tamara L; biomedical engineering, from National Science Foundation, $111,054, “Faculty Early Career Development (CAREER): Probing Non-Equilibrium Dynamics with Ultracold Atoms in Optical, Phononic, and Photonic Lattices.”

Kurdelak, Erik S; food science, from Shengyue Shan, $1,875, “Pilot Plant Multi-Sponsored Gift.”

Kurdelak, Erik S; food science, from D Kay Cooksey, $500, “Pilot Plant Multi-Sponsored Gift.”

Kurdelak, Erik S; food science, from Emily D Edwards, $650, “Pilot Plant Multi-Sponsored Gift.”

Kushiro-Banker, Tokiko; veterinary clinical sciences, from Suntech Medical, Inc, $13,893, “Investigation and Validation of the Suntech Veterinary 30 Non-Invasive Oscillometric Blood Pressure Monitor Against the Arterial Reference in Anesthetized Horses According to the American College of Veterinary Internal Medicine.”

Lange, Candice P; management administration, from Procter & Gamble Fund, the, $10,000, “Essentials of Business and Gender Empowerment Summer Program.”

Laskin, Julia; chemistry, from Pacific Northwest National Laboratory, $51,467, “Single Cell Resolution Omics Analysis of Type 1 Diabetes (T1D) Islets; Modification 1; Grant 11000674.”

Lenz, Stephen D; Animal Disease Diagnostic Laboratory, from Indiana Department of Natural Resources, $1,733, “IDNR Wildlife Disease Diagnostics.”
Liang to Narsimhan


Liceaga, Andrea M: food science, from Naoki Sugita, $1,100, “Multi Sponsored Gift - Sensory.”

Low, Philip S: chemistry, from PHS-NIH National Institute of General Medical Science, $448,996, “Regulation of Erythrocyte Function.”

Low, Philip S: chemistry, from John Thomas & Julie Ann Hurvis, $508,990, “Hurvis – HuLow Research.”

Lyon, Angeline M: chemistry, from PHS-NIH National Heart, Lung & Blood Institute, $378,986, “Structural Studies of Plcepsilon a Regulator of Cardiac Contractility and Hypertrophy.”

MacDermid Wadsworth, Shelley; Topp, Dave; Broniarczyk, Kathy M and Collette, Christie L: human development & family studies, from Indiana Family & Social Services Administration, $1,000,000, “Star Behavioral Health Providers - Indiana Department of Mental Health and Addiction.”


Martinez, Kimber J: agricultural sciences education & communication, from Just Beginnings Collaborative, $2,500, “MESA JBC Child Sexual Abuse Prevention.”

Martinez, Kimber J: agricultural sciences education & communication, from Indiana State Department of Health, $126,206, “Multicultural Efforts to End Sexual Assault (MESA).”


Mckee, Renee K: cooperative extension service, from National 4-H Council, $1,312, “4-H Youth Programs.”

Mckee, Renee K: cooperative extension service, from National 4-H Council, $815, “4-H Youth Programs.”

McLuckey, Scott A: chemistry, from Merck Sharp & Dohme Corp, $50,000, “Polysorbate 80 Characterization via Ion/Ion Reactions.”


Mengiste, Tesfaye D: botany & plant pathology, from Kansas State University, $22,145, “Genetic Improvement of Sorghum for Resistance to Fungal Pathogens.”

Mesecar, Andrew D: biochemistry, from Loyola University Chicago, $288,156, “Mechanisms of Viral Proteases in Coronavirus Replication and Pathogenesis.”


Meyer, Scott E: mechanical engineering, from Inspace, LLC, $6,155, “Thruster Development Testing.”


Meyer, Terrence R; Slipchenko, Mikhail N and Son, Steven F: mechanical engineering, from Spectral Energies, LLC, $305,539, “Khz-Mhz Rate Laser-Based Tracking of Particles and Product Gases for Multiphase Blast.”

Miles, Richard D: WBAA administration, from Corporation for Public Broadcasting, $128,075, “2019 CPB Community Service Grant.”


Mishra, Dharmendra K: food science, from Bargain Center, $75, “Multi Sponsored Gift.”

Mishra, Dharmendra K: food science, from Jason Probst, $75, “Multi Sponsored Gift.”

Mishra, Dharmendra K: food science, from Don & Heather Rettig, $75, “Multi Sponsored Gift.”

Mishra, Dharmendra K: food science, from Sunrise Harvest Farm LLC, $50, “Multi Sponsored Gift.”

Mishra, Dharmendra K: food science, from Kathy R Shrum, $50, “Multi Sponsored Gift.”

Mishra, Dharmendra K and Kurdelak, Erik S: food science, from PHS-Food and Drug Administration, $174,266, “Training and Pilot Processing Laboratory Services for Food Processing Technology Courses.”

Mishra, Dharmendra K: food science, from Joshua J Cockram, $50, “Multi Sponsored Gift.”

Mishra, Dharmendra K: food science, from True Kimchi Lic, $75, “Multi Sponsored Gift.”

Mishra, Dharmendra K: food science, from Abington Meadows LLC, $150, “Multi Sponsored Gift.”


Mugler, Andrew J: physics & astronomy, from University of California - San Diego, $42,757, “Electrical Signaling in Bacterial Biofilms.”

Mukherjee, Partha P: mechanical engineering, from National Renewable Energy Laboratory, $70,000, “Microstructure Simulation for Computer-Aided Battery Electrode Design.”


Nagy, Zoltan: chemical engineering, from Corteva Agriscience, $413,538, “Industrial Crystallization Control.”

Nemali to Rompf

**Nemali, Krishna** and **Daniel, Kyle M**; horticulture & landscape architecture, from Horticultural Research Institute, $48,000, “Measurement of Plant Nitrogen Status in Floriculture and Nursery Production Using Smartphones.”

**Neumeister, Norbert**; physics & astronomy, from Princeton University, $125,000, “Parent: U.S. Muon Solenoid (CMS) Operations at the LHC; Amendment 7; (Grant 10001108).”

**Nichols, Deborah L**; human development & family studies, from Caplan Foundation for Early Childhood, $56,240, “Argument-Based Inquiry, Multimodal Representations, and Young Childrens Growth in Informational Text Use.”

**Nielsen, S Suzanne; Bugusu, Betty A; Hamaker, Bruce R; Lowenberg-Deboer, James M; Bauchet, Jonathan J; Ferruzzi, Mario; Ileleji, Klein; Ricker-Gilbert, Jacob E and Woloshuk, Charles P**; food science, global engineering programs, Executive Vice President for Research & Partnerships administration, consumer science, nutrition science, agricultural & biological engineering program, agricultural economics, botany & plant pathology, from DNU US Agency International Development, $285,673, “Feed the Future Innovation Lab for Food Processing and Post-Harvest Handling.”

**Noinaj, Nicholas**; biological sciences, from PHS-NIH National Institute of General Medical Science, $315,964, “Structural Characterization of the TOC Protein Translocon Machinery.”

**Overholser, Brian R**; pharmaceutical practice, from PHS-NIH National Heart, Lung & Blood Institute, $77,500, “Regulation of KCNQ1 and KCNE1 Complex Formation During Sustained Beta-Adrenergic Stimulation.”

**Patton, Aaron J**; horticulture & landscape architecture, from Dow International Finance Sarl, $7,000, “Patton Multi Sponsored #2 (Orig 301226).”

**Patton, Aaron J**; horticulture & landscape architecture, from Dow International Finance Sarl, $2,000, “Turfgrass Research.”

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

**Patton, Aaron J**; horticulture & landscape architecture, from Bayer Crop Science, $5,000, “Patton Multi Sponsored #2 (Orig 301226).”

**Patton, Aaron J**; horticulture & landscape architecture, from Nufarm Americas Inc., $19,500, “Patton Multi Sponsored #2 (Orig 301226).”

**Patton, Aaron J**; horticulture & landscape architecture, from Dow International Finance Sarl, $10,100, “Patton Multi Sponsored #2 (Orig 301226).”

**Patton, Aaron J**; horticulture & landscape architecture, from FMC Corporation, $13,350, “Patton Multi Sponsored #2 (Orig 301226).”

**Patton, Aaron J**; horticulture & landscape architecture, from PBI Gordon Corp., $26,600, “Patton Multi Sponsored #2 (Orig 301226).”

**Patton, Aaron J**; horticulture & landscape architecture, from Dow International Finance Sarl, $3,000, “Patton Multi Sponsored #2 (Orig 301226).”

**Patton, Aaron J**; horticulture & landscape architecture, from SBM Life Science Corp., $6,600, “Patton Multi Sponsored #2 (Orig 301226).”

**Peryulis, Dimitrios**; electrical & computer engineering, from Landauer Inc., $120,000, “Center for Electronic Defense Systems (CEDS) Consortium.”

**Prabhakar, Sunil K**; computer science, from National Physical Science Consortium, $10,000, “NPSC Fellowship for Amber Johnson (40001232).”

**Purzer, Senay** and **Sharma, Pankaj**; engineering education, technology leadership & innovation, from The Concord Consortium Inc, $25,907, “Science and Engineering Education for Infrastructure Transformation (Seeti); Amendment 1; Grant 10001325.”

**Raman, Arvind**; education administration, from Colfuturo, $99,615, “Latin American Technical, Research and Administration Leaders Program (LATeRAL).”

**Rastgaard, Mo**; engineering technology, from National Science Foundation, $112,688, “Faculty Early Career Development ( CAREER): Steerable Powered Ankle-Foot Prostheses for Increased Mobility in Amputees.”


**Rathfon, Ronald A**; forestry & natural resources, from Indiana Society of American Foresters, $2,000, “Bayer Voluntary Support.”

**Reddivari, Lavanya**; food science, from Rodale Institute, $15,000, “Optimizing Management Systems for Organic Onion and Potato.”

**Reddivari, Lavanya**; food science, from Rodale Institute, $9,360, “Impact of Management Systems on Potato Phytochemicals, Yield, Pest and Disease Control.”

**Ribeiro, Fabio H**; chemical engineering, from ExxonMobil Chemical Company, $30,000, “CISTAR Industrial Consortium (40001938).”

**Ribeiro, Fabio H**; chemical engineering, from Lyondell Chemical Company, $30,000, “CISTAR Industrial Consortium (40001938).”

**Ribeiro, Fabio H**; chemical engineering, from Swift Fuels LLC, $5,000, “CISTAR Industrial Consortium (40001938).”

**Ribeiro, Fabio H**; chemical engineering, from Bgtl, Inc, $5,000, “CISTAR Industrial Consortium (40001938).”

**Ribeiro, Fabio H**; chemical engineering, from Countrymark, Inc., $30,000, “CISTAR Industrial Consortium (40001938).”

**Ribeiro, Fabio H**; chemical engineering, from Nice America Research, $15,000, “CISTAR Industrial Consortium (40001938).”

**Ribeiro, Fabio H**; chemical engineering, from Shell Oil Company, $30,000, “CISTAR Industrial Consortium (40001938).”

**Ribeiro, Fabio H**; chemical engineering, from Phillips 66, $60,000, “CISTAR Industrial Consortium (40001938).”

**Ribeiro, Fabio H**; chemical engineering, from Honeywell Corporate Technology Center, $30,000, “CISTAR Industrial Consortium (40001938).”

**Richmond, Douglas Scott**; entomology, from U.S. Golf Association, $2,000, “Turfgrass Entomology Research.”

**Rodgers, Elysia A**; field extension, from DeKalb County Community Foundation, $850, “Farm Stress Management Training and Programming.”

**Rompf, Tiark**; computer science, from Vanguard Charitable Endowment Program, $100,000, “Multi-Sponsored Voluntary Support.”
Rossmann to Varma

Rossmann, Michael G; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, $638,825, “Structural Studies of Bacteriophage T4 and Their Potential Medical Applications.”

Sadof, Clifford S; entomology, from Northwest Indiana Nursery & Landscape Association Inc, $100, “Multi Sponsor.”

Sadof, Clifford S; entomology, from Rainbow Tree Company, $3,000, “Multi Sponsor (Sadof - 30001380).”

Salgado, Rodrigo and Prezzi, Monica; civil engineering, from Indiana Department of Transportation, $20,000, “Verification of Bridge Foundation Design Assumptions and Calculations.”

San Martin-Gonzalez, Maria Fernanda; food science, from The Abide Idea Company, $3,500, “Multi-Sponsor Gift Funds.”

Saraswat, Dharmendra and Bossaer, Gregory J; agricultural & biological engineering program, agricultural administration, from Indiana Corn Marketing Council, $15,350, “Development of Infield Advantageweb Application for Enhanced User Experience Phase II.”

Saraswat, Dharmendra and Bossaer, Gregory J; agricultural & biological engineering program, agricultural administration, from Indiana Soybean Alliance, $15,350, “Development of Infield Advantageweb Application for Enhanced User Experience.”

Savikhin, Sergei F; physics & astronomy, from National Science Foundation, $15,350, “Studies of Bacteriophage T4 and Their Potential Medical Applications.”

Seo, Jungil; aeronautics & astronautics, from Ohio Aerospace Institute, $10,000, “Scale Aircraft Prototype with Biologically Inspired Topology Optimization.”

Typing of Aware and Responsive Thin Films (SMART). ” (a Discovery Institute of Boston University, $128,245, “Metabolic Assessment of Antibacterial Susceptibility within One Cell Cycle.”

Vaccarino, Andrea; agricultural & biological engineering program, from Northwestern University, $36,000, “Characterization of Phytophthora Sojae and Phytophthora Samboucianum Populations in the North Central Region and an Assessment of Management Strategies.”

Thompson, David H; chemistry, from Rutgers State University, $46,232, “Mechanisms of Cholesterol Transport by Npc Proteins; Modification 3; Grant 1100519.”


Trice, Rodney W and Youngblood, Jeffrey P; materials engineering, from Army Research Office, $103,500, “Performance Improvement of Wheel Loaders through Independent Metering Boom Actuation.”

Umulis, David M; agricultural & biological engineering program, from Indiana University, $83,657, “Competitive Renewal of Development, Improvement and Extension of the Tissue Simulation Environment: Compucell3d.”

Vacca, Andrea; agricultural & biological engineering program, from CNH - Hydraulic Competency Center, $131,354, “Performance Improvement of Wheel Loaders through Independent Metering Boom Actuation.”

Vacca, Andrea; agricultural & biological engineering program, from Parker Hannifin Corp., $48,937, “Performance Analysis and Design Optimization of an Orbit Type Hydraulic Motor.”


Wagner to Zillich

Wagner, Robert G and Woeste, Keith E; forestry & natural resources, from U.S. Forest Service, $5,860, "Genetic Analysis of American Elm."

Weake, Vikki Marie; biochemistry, from PHS-NIH National Eye Institute, $381,501, "Epigenetic Regulation of Gene Expression in the Aging Eye."

Weatherman, Kara Duncan; pharmaceutical practice, from Northstar Medical Radioisotopes, LLC, $39,097, "Northstar - Radiogenix Radiolabeling Test Plan (Addendum 1.0)."

Weibel, Justin A; mechanical engineering, from Google Inc, $30,000, "Cooling Technologies Research Center (CTRC) (40001184)."

Weibel, Justin A; mechanical engineering, from IBM, $30,000, "Cooling Technologies Research Center (CTRC) (40001184)."

Weibel, Justin A; mechanical engineering, from Ford Motor Company, $30,000, "Cooling Technologies Research Center (CTRC) (40001184)."

Weibel, Justin A; mechanical engineering, from Saint-Gobain Containers, $30,000, "Cooling Technologies Research Center (CTRC) (40001184)."

Weibel, Justin A; mechanical engineering, from General Motors Corp, $30,000, "Cooling Technologies Research Center (CTRC) (40001184)."

Weibel, Justin A; mechanical engineering, from Samsung Electronics Co., Ltd, $30,000, "Cooling Technologies Research Center (CTRC) (40001184)."

Weibel, Justin A; mechanical engineering, from Toyota Foundation USA, $30,000, "Cooling Technologies Research Center (CTRC) (40001184)."

Weibel, Justin A; mechanical engineering, from Seagate, $30,000, "Cooling Technologies Research Center (CTRC) (40001184)."

Weiner, Andrew M; electrical & computer engineering, from Optical Society of America, $1,250, "The Optical Society - Voluntary Support."

Weinstein, Dana and Ramanathan, Shriram; electrical & computer engineering, from Defense Advanced Research Projects Agency, $193,163, "Ni-Compound Microrobotic Actuators." (a Discovery Park award – Birck Nanotechnology Center)

Woodcox, Stephanie G; health & human sciences administration, from Health Care Education-Training Inc, $17,095, "Strong Teens Acting Responsibly (STAR)."

Wu, Wenzhuo; industrial engineering, from Battelle Energy Alliance LLC, $9,948, "Hybrid Nanomanufacturing of Hierarchical Electrochemical Systems for High-Efficiency Electrocatalysis.

Xue, Yexiang; computer science, from National Science Foundation, $174,941, "CRII: RI: Stochastic Optimization via Embedding Counting as Optimization with Randomized Constraints."

Ye, Peide; electrical & computer engineering, from Army Research Office, $80,000, "Ballistic Phosphorene Transistor."

Yih, Yuehern; industrial engineering, from Christiana Care Health System, $36,190, "Capacity Management and Patient Flow at Christiana Care Health System."

Yin, Ming; computer science, from IJCAI Organization, $10,028, "Doctoral Consortium at AAAI Conference on Human Computation & Crowdsourcing (HCOMP 2019)."

Young, Bryan G; botany & plant pathology, from Italpollina USA, $4,000, "Weed Science Research Voluntary Support."

Young, Bryan G; botany & plant pathology, from Helm Agro US, Inc, $48,600, "Weed Science Research Voluntary Support."

Young, Bryan G; botany & plant pathology, from BASF Corporation, $39,100, "Multi Sponsored Gift Account."

Yu, Wenbin; aeronautics & astronautics, from Dassault Systemes Inc, $50,000, "CDM HUB (Consortium)."

Yu, Wenbin; aeronautics & astronautics, from Georgia Technology, $61,908, "VABS as a Tool for Real Blade Analysis, Design, and Certification; Amendment 5; Grant 13000528."

Yu, Wenbin; aeronautics & astronautics, from Coretech Systems, Inc, $50,000, "CDM HUB (Consortium)."

Zhang, Guangjun; comparative pathobiology, from Mayo Clinic College of Medicine, $9,669, "IRF4 and Immunity to Influenza Infection."

Zhang, Zhong-Yin; medicinal chemistry & molecular pharmacy, from PHS-NIH National Cancer Institute, $439,449, "Development of SHP2 Inhibitors for Targeted Anti-Cancer Therapy."

Zhao, Kejie; mechanical engineering, from National Science Foundation, $8,000, "Research Experience for Undergraduates (REU): Bridging Mechanics and Electrochemistry: Theories and Experiments on Battery Materials."

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

Zhou, Chenn Qian; mechanical & civil engineering, from Union Gas Limited, $22,500, "Steel Manufacturing Visualization and Simulation Consortium (SMVSC) Membership."

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

Zhu, Jian-Kang; horticulture & landscape architecture, from Konkuk University, $61,338, "Letter of Agreement to Conduct Collaborative Research-Plant Stress Research for Climate Change."

Zillich, Alan J; pharmaceutical practice, from R.L. Roudebush Veterans Administration Medical Center, $7,000, "Intergovernmental Personnel Assignment (IPA) Agreement for Alan Zillich."

Notice Regarding Sponsored Program Awards

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