Aguilar to Brosseau-Lapre


**Aime, Mary Catherine** and **Haelewaters, Danny**: botany & plant pathologyology, from Indiana Academy of Science, $2,461, “Molecular Phylogenetic Circumscription of an Order of Crusts (Fungi, Agaricomycetes, Atheliales), Inspired by the Discovery of Undescribed Species from Indiana and Massachusetts.”

**Alexeenko, Alina**: aeronautics & astronautics, from GT Services LLC, $10,000, “LyoHub Consortium (GT Services).”

**Alexeenko, Alina**: aeronautics & astronautics, from Evonik Corporation, $10,000, “LyoHub Consortium (Millrock Technology).”

**Alexeenko, Alina**: aeronautics & astronautics, from National Aeronautics and Space Administration, $200,000, “Distributed Attitude Control and Maneuvering for Deep Space SmallSats.”

**Allert, Beate I**: language & culture, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “CMPL – SRG.”

**Alsup, Janet M**: curriculum & instruction, from Purdue Research Foundation (PRF) Summer Research Grants, $10,634, “EDCI – SRG.”

**Anderson, Gina M**: field extension, from Scott County Visitors Commission, $375, “Southeastern Indiana Llama and Alpaca Conference.”

**Anderson, Trevor R**: chemistry, from National Science Foundation, $11,950, “Collaborative Research: Using Protein Function Prediction to Promote Hypothesis-Driven Thinking in Undergraduate Biochemistry Education.”

**Andrisani, Ourania M** and **Xie, Jun**: basic medicine science, statistics, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, $350,424, “Mechanisms of Hepatocyte Transformation by the Hepatitis B Virus X Protein.”

**Armstrong, S Dorsey**: English, from Purdue Research Foundation (PRF) Summer Research Grants, $37,219, “ENGL – SRG.”

**Asencio, Raquel**: organizational behavior and human resource management, from Army Research Office, $75,000, “10.2 Social and Cognitive Networks: Exploring Effective Coordination Structures and Functioning in Multiteam Systems.”

**Basaran, Osman A**: chemical engineering, from Glaxo Smith Kline, $25,000, “Purdue Process Safety and Assurance Center(P2SAC).”

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

**Beaulieu, Lionel J**: Purdue Center for Regional Development, from Multi-Sponsored Industrials, $2,400, “Northwest Regional CD Voluntary Support.”

**Benes, Bedrich**: computer graphics technology, from University of Illinois, $102,842, “Crops in Silico: Increasing Crop Production by Connecting Models from the Microscale to the Macroscale.”

**Berry, Sandra E**: mathematics, from Indiana Campus Compact, $1,000, “Getting Girls into Science, Technology, Engineering & Mathematics (STEM).”

**Bhunia, Arun K**: food science, from National Academy of Sciences, $176,225, “Biofilm Inactivation Using Smart Antimicrobial Nanoparticle.”

**Bigelow, Cale A**: horticulture & landscape architecture, from National Turfgrass Evaluation Program, $10,000, “2018 National Tall Fescue Test (TF-18-14).”

**Bilionis, Ilias**: mechanical engineering, from University of Notre Dame, $67,214, “Physics-Informed Learning for Multiscale Systems (PIlRIMS)-Phase I and II.”

**Blackstock, Stephanie A**: vice chancellor finance & administration administration, from Indiana Dunes National Lakeshore, $1,500, “Indiana Dunes Tourism Grant 2019.”

**Blatchley, Ernest R**: civil engineering, from De Nora Technology LLC, $126,253, “Effects of Electrochlorination on Disinfection Byproduct Dynamics in Chlorinated Swimming Pools.”

**Braun, James E**: mechanical engineering, from Daikin Manufacturing Company, LP, $25,000, “Center for High Performance Building Consortium (Goodman).”

**Braun, James E**: mechanical engineering, from Ingersoll-Rand Endowment, $25,000, “Center for High Performance Building Consortium (Ingersoll-Rand).”


**Brooke, Jarred M**: forestry & natural resources, from Indiana Forage Council, Inc, $68, “Voluntary Support – Brooke.”

**Brosseau-Lapre, Francoise**: speech, language & hearing sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, $149,158, “Speech Perception in Children with and without Speech Sound Disorder.”
**Bullock to Dykhuizen**

**Bullock, Darcy M:** civil engineering, from Indiana Department of Transportation, $63,000, “Enhanced Traffic Signal Performance Measures (21000232).”

**Bullock, Darcy M:** civil engineering, from Ford Motor Company, $277,721, “Vehicle Data Analytics for Traffic and Road Infrastructure Functionality.”

**Buzzard, Gregery T:** mathematics, from Purdue Research Foundation (PRF) Summer Research Grants, $74,438, “MATH – SRG.”

**Caffee, Marc W:** physics & astronomy, from National Science Foundation, $72,120, “Supplement to Facility Support: Accelerator Mass Spectrometry at Prime Lab.”

**Caffee, Marc W:** physics & astronomy, from U.S. Geological Survey, $6,355, “Buried Sediment & Weathered Bedrock Samples.”

**Caldwell, Barrett S** and **Whitaker, Dawn R:** industrial engineering, from National Aeronautics and Space Administration, $714,400, “Indiana Space Grant Fellowship Program 2019-2020.”

**Caldwell, Barrett S:** industrial engineering, from Indiana State University, $1,000, “Indiana Space Grant Consortium (Indiana SGC) Affiliate Dues (ISU Check).”

**Camberato, James J** and **Nielsen, Robert L:** agronomy, from Indiana Corn Marketing Council, $113,380, “Sulfur and Starter Fertilizer Management to Maximize Corn Profit and Resilience.”

**Campbell, Wayne W:** nutrition science, from Foundation for Meat & Poultry Research & Education, $75,000, “Effects of Red Meat Consumption on the Gut Microbiota in Young Adults.”

**Cangany, Lisa R:** field extension, from Community Foundation of Boone County, $1,400, “Strengthening Families Program: For Parents and Youth 10-14 Years Old.”

**Carter, Mark D:** field extension, from Ball Brothers Foundation, $3,400, “Multispectral Sensor for Ag Drone.”

**Case, Amanda:** educational studies, from Spencer Foundation, $50,000, “Evaluating the Methods and Effectiveness of Community-Based Organizations in Supporting Lower-Income Students and Students of Color through College.”

**Chen, Weinong W** and **Meyer, Terrence R:** aeronautics & astronautics, mechanical engineering, from Army Research Office, $90,000, “Damage and Temperature Around a Propagating Dynamic Crack.”

**Cook, Robert Graham:** chemistry, from Arizona State University, $104,585, “Rapid Response Research (RAPID) Diagnostic Quantification of Circulating TB Antigen in HIV-Exposed Children.”

**Cook, Robert Graham:** chemistry, from University of Colorado Denver, $254,358, “Quantitation of Tenofovir-Diphosphate (TFV-DP) in Blood Cells.”

**Crawford, Melba M:** agronomy, from Korea Polar Research Institute, $48,477, “Uav-Based Advanced Remote Sensing of the Polar Regions.”

**Crossley, William A** and **DeLaurentis, Daniel A:** aeronautics & astronautics, from Rolls-Royce, Inc., $271,403, “Verification and Validation (V&V) of Models.”

**Cuza-Blanco, Alejandro:** language & culture, from Purdue Research Foundation (PRF) Summer Research Grants, $15,951, “SLC – SRG.”

**Cuza-Blanco, Alejandro:** language & culture, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “LING – SRG.”

**Cziczo, Daniel James:** earth, atmospheric and planetary sciences, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “EARTH, ATMOSPHERIC & PLANETARY SCIENCES – SRG.”

**Davis, Frederick R:** history, from Purdue Research Foundation (PRF) Summer Research Grants, $10,634, “HIST – SRG.”

**Deering, Amanda J** and **Monroe, James Scott:** food science, field extension, from Indiana State Department of Health, $111,263, “Development of a Food Safety Training Hub with Vincennes University.”

**DeLaurentis, Daniel A:** aeronautics & astronautics, from Lockheed Martin Astronautics, $19,935, “Institutional Proposal (IP) Fee Revenue for Integrated Air and Missile Defense Modeling Collaborations (Grant 40001560).”

**DeLaurentis, Daniel A:** aeronautics & astronautics, from Leidos, $25,000, “Based Trajectory Design for High-Speed Attack Munitions; Amendment 6, Grant 13000517.”

**Delp, Edward J** and **Allebach, Jan P:** electrical & computer engineering, from HP Inc, $75,000, “Label-Free Live Cell Imaging.”

**Delp, Edward J:** electrical & computer engineering, from Air Force Research Laboratory, $300,000, “Forensic Analysis of Overhead Images.”

**Deshmukh, Abhijit V:** industrial engineering, from Purdue Research Foundation (PRF) Summer Research Grants, $26,585, “IE – SRG.”

**Dietz, James Eric** and **Kilaz, Gozdem:** computer information technology, engineering technology, from Applied Research Institute, $100,000, “Authentication/Age Detection of Electronics Components and Assemblies Using a Non-Destructive Method.”

**Doudareva, Natalia** and **Morgan, John A:** biochemistry, chemical engineering, from National Science Foundation, $51,347, “Deciphering Molecular Mechanisms Involved in Plant Volatile Emission.”

**Duncan, Robert J:** human development & family studies, from Kinley Trust, $20,000, “Childcare Language Environments and Childrens School Readiness.”

**Duvall, John N:** English, from Johns Hopkins University, $15,282, “Journal of Modern Fiction Studies.”

**Duvall, John N:** English, from Johns Hopkins University, $14,998, “Journal of Modern Fiction Studies.”

**Dykhuizen, Emily C:** medicinal chemistry & molecular pharmacology, from PHS-NIH National Cancer Institute, $338,785, “The Tumor Suppressing Role of PBRM1, the Bromodomain-Containing Subunit of the PBAF Chromatin Remodeling Complex.”
Ebert to Gray

Ebert, David S; electrical & computer engineering, from Multi-Sponsored Industrials, $60,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

Ebert, David S; electrical & computer engineering, from Intel Corporation, $72,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

Ebert, David S; electrical & computer engineering, from Multi-Sponsored Industrials, $60,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

Edwards, Emily A; student success, from Emily D Edwards, $700, “Pilot Plant Multi-Sponsored Gift.”

Ekenstedt, Kari J; Dreyer, Dayna L and Lim, Chee Kin; basic medicine science, veterinary clinical sciences, from American Kennel Club Health Foundation, Inc, $112,993, “Genetic Basis of Canine Spinal Abnormalities.”

Elliott, Stephen John and O’Connor, Kevin J; computer information technology, technology leadership and innovation, from Keylemon, $26,175, “K12.”

Erk, Kendra A; materials engineering, from National Science Foundation, $8,000, “NSF Research Experience for Undergraduates (REU) Supplement for Existing NSF Faculty Early Career Development (CAREER): Water-Based Gels Containing Polymer and Cement-Like Particles for Improved Curing of High-Performance Concrete.”


Evans, Janice Perry; biological sciences, from Purdue Research Foundation (PRF) Summer Research Grants, $26,585, “BIOS – SRG.”

Feng, Yaohua and Gibson, Kevin D; food science, botany & plant pathology, from National Institute of Food & Agriculture, $74,938, “Food Safety Education Program for Veteran Farmers.”

Feng, Yaohua; food science, from National Institute of Food & Agriculture, $86,220, “Culturally Tailored Food Safety Education for Social-Economically Disadvantaged Family with Young Children.”

Fernandez-Juricic, Esteban; biological sciences, from Lynntech Inc, $375,000, “Lynntech Subcontract Agreement.”


Field, William E and Nour, Mahmoud M; agricultural & biological engineering program, from Marshfield Clinic, $10,000, “Summarizing Child-Related Safety Issues Around Manure Storage and Handling Facilities and Equipment.”

Finley, John P; physics & astronomy, from Purdue Research Foundation (PRF) Summer Research Grants, $37,219, “PHYS – SRG.”

Fialherty, Elizabeth A; forestry & natural resources, from U.S. Forest Service, $27,796, “Northern Flying Squirrel Habitat Use and Responses to Red Spruce Restoration.”

Fouche, Rayvon D; interdisciplinary studies, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “AMST – SRG.”

French, Doran C; human development & family studies, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “HDFS – SRG.”

Gallardo, Roberto; agriculture administration, from Mississippi State University, $2,000, “Digital Ambassadors Partnership.”


Garrison, James L; aeronautics & astronautics, from University of Michigan, $39,052, “Cyclone Global Navigation Satellite System (CYGNSS).”


Gavin, Timothy P; health & kinesiology, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “HKLS – SRG.”

Ghiselli, Richard F; hospitality & tourism management, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “HTMT – SRG.”

Goergen, Craig J; biomedical engineering, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “IBSC – SRG.”

Gore, Jay P; mechanical engineering, from Purdue Research Foundation (PRF) Summer Research Grants, $31,902, “MECH – SRG.”

Gounder, Rajamani P; chemical engineering, from UOP LLC, $255,000, “Zeolite Catalyst Probe Reactions.”

Grama, Ananth Y and Chaterji, Somal; computer science, from PHS-NIH National Institute of Allergy and Infectious Diseases, $715,933, “Continued Development and Maintenance of the MG-RAST Metagenomics Pipeline.”

Grama, Ananth Y; computer science, from National Institutes of Health, $715,936, “Continued Development and Maintenance of the MG-RAST Metagenomics Pipeline.”

Granger, Darryl E; earth, atmospheric & planetary sciences, from National Science Foundation, $23,814, “Dating the Cenozoic Incision History of the Tennessee and Shenandoah Rivers with Cosmogenic Nuclides and 40Ar/39Ar in Manganese Oxides.”

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

**Groll, Eckhard A:** mechanical engineering, from Whirlpool Corp, $40,000, "Multi Sponsor Groll."

**Groll, Eckhard A** and **Ziviani, Davide:** education administration, mechanical engineering, from Ingersoll – Rand Co., $127,282, "Design and Manufacturing of a Twin-Screw Compressor for Isothermal Compression by Employing 3-D-Printing Techniques."

**Hambrusch, Susanne E:** computer science, from Purdue Research Foundation (PRF) Summer Research Grants, $47,853, "CS – SRG."

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

**Handwerker, Carol A; Blendell, John E** and **Subbarayan-Shastri, Ganesh:** materials engineering, mechanical engineering, from Missile Defense Agency, $505,729, "Reliability Risk Management of Gold Contaminated Tin-Lead and Lead-Free Solder Joints in Military Electronics; Modification 7 for Grant #108101."

**Hassanein, Ahmed:** nuclear engineering, from Battelle Energy Alliance LLC, $10,000, "CMUXE for National Science User Facility (NSUF)."

**Hertel, Thomas W:** agricultural economics, from KPMG, $20,435, "Global Trade Analysis Project (GTAP) Consortium (KPMG Australia (KPMG))."

**Hogenesch, Harm; Gomes Filho, Paulo C; Ferreira, Christina R; Rajwa, Bartlomiej P** and **Franco, Jackeline:** comparative pathology, veterinary clinical sciences, medicinal chemistry & molecular pharmacology, from American Kennel Club Health Foundation, Inc, $99,105, "Discovery of Novel Biomarkers of Canine Atopic Dermatitis through Lipid Profiling."

**Horgan, Briony H:** earth, atmospheric & planetary sciences, from Texas a&M University, $84,204, "SAND-E: Semi-Autonomous Navigation for Detrital Environments – Integrating Robotic Terrain Analysis, Geochemistry, and Sedimentology to Assess Sediment Transport Pathways."

**Hrycyna, Christine A:** chemistry, from Purdue Research Foundation (PRF) Summer Research Grants, $106,340, "CHEM – SRG."

**Huber, Matthew:** earth, atmospheric & planetary sciences, from National Science Foundation, $296,757, "Collaborative Research: Shark Fest – Fusing Eocene Shark Tracers: Paleoclimatology, Ocean Circulation, and Antarctic Glaciation with Geochemistry and Climate Modeling."

**Hung, Chen-Lung:** physics & astronomy, from Air Force Office of Scientific Research, $24,775, "Long-Range Quantum Magnetism in Atom-Nanophotonic Hybrid Lattices."

**Iyer, Ananth V; Dunlop, Steven R** and **Labi, Samuel:** management administration, civil engineering, from Indiana Department of Transportation, $99,960, "Cost Benefit Analysis of Installing Fiber Optics of Indiana Department of Transportation (IN DOT) Projects."

**Iyer, Ananth V:** management, from Purdue Research Foundation (PRF) Summer Research Grants, $10,634, "MGMT – SRG."

**Jagannathan, Suresh:** computer science, from Systems & Technology Research, $121,550, "Mitchell: Software-Defined Hardware; Modification 1; Grant 19200235."

**Janes, David B:** Colombia Initiative, from Escuela De Ingenieria De Antioquia, $39,941, "PII Colombia Multi Sponsor."

**Janes, David B:** Colombia Initiative, from Escuela De Ingenieria De Antioquia, $36,074, "PII Colombia Multi Sponsor."

**Jin, Jian:** agricultural & biological engineering program, from Farm2U, $25,265, "Test Plant Sensor on Apple Tree Leaves for Disease Control."

**Johnson, Carla J:** curriculum & instruction, from Battelle Memorial Institute, $31,675, "Battelle – Army Educational Outreach Program Cooperative Agreement."

**Johnson, William G:** botany & plant pathology, from FMC Corporation, $9,000, "Weed Science Research Volunteer Support."

**Johnson, William G:** botany & plant pathology, from Albaugh Inc, $3,500, "Weed Science Research Volunteer Support."

**Johnson, William G:** botany & plant pathology, from Belchim Crop Protection US, LLC, $27,500, "Weed Science Research Volunteer Support."

**Johnson, William G:** botany & plant pathology, from Syngenta Crop Protection Inc., $8,500, "Weed Science Research Volunteer Support."

**Johnson, William G:** botany & plant pathology, from ISK BioSciences Corp., $10,500, "Weed Science Research Volunteer Support."

**Johnson, William G:** botany & plant pathology, from Amvac Chemical Corporation, $6,000, "Weed Science Research Volunteer Support."

**Johnson, William G:** botany & plant pathology, from Dow International Finance Sarl, $46,000, "Weed Science Research Volunteer Support."

**Johnson, William G:** botany & plant pathology, from Monsanto Agriculture Company, $8,800, "Service Order Number 61."

**Johnson, William G:** botany & plant pathology, from Monsanto Company, $8,800, "Weed Science Research Volunteer Support."

**Johnson, William G:** botany & plant pathology, from Stoller Enterprises, Inc., $12,000, "Weed Science Research Volunteer Support."

**Johnston, Cliff T:** agronomy, from Michigan State University, $53,064, "Environmental Microbial and Mammalian Biomolecular Responses to AhR Ligands."

**Jones, Timothy Matthew:** physics & astronomy, from Advanced Research Corporation, $270, "High Density Interconnect Solutions for HL-LHC."

**Jones, Timothy Matthew:** physics & astronomy, from University of Notre Dame, $3,000, "QuarkNet at Purdue University."

**Jordan-Miles, Alice M:** human services, from Indiana Family & Social Services Administration, $130,000, "Indiana Suicide Prevention Coalition (ISPC) Activities 2019."

**Kaganovich, Natalya B; Leonard, Laurence B; Christ, Sharon L** and **Grenewell, Charna T:** psychological sciences, speech, language & hearing sciences, human development & family studies, speech, language & hearing sciences speech clinic recharge, from PHS-NIH National Institute on Deafness and Other Communication Disorders, $325,209, "Audiovisual Processing in Children with Developmental Language Disorder."
Kate to Linnes

Kate, Aniket Pundlik; computer science, from Deuro Inc, $20,000, “Deuro 30001816.”

Kate, Aniket Pundlik; computer science, from Deuro Inc, $20,000, “Deuro.”


Key, Nicole L; mechanical engineering, from Duke University, $19,158, “Enhanced Physical Understanding of Forced Response, Inlet Distortion, and Blade Row Interactions in the Purdue 3-Stage Compressor; Amendment 1, Grant 40002416.”

Kim, Kee Hong; food science, from Rural Development Administration of the Republic of Korea, $150,000, “Development of Invertebrate Based Screening Platform to Identify Agricultural and Food Compounds for Obesity Prevention.”

Kim, Kee Hong; food science, from EFIL Pharmaceuticals Incorporation, $5,000, “Effect of ACAT Blockage on Body Weight Gain in Diet-Induced Obese Mice.”

Kim, Young I; biomedical engineering, from Vanderbilt University Medical Center, $42,100, “Higher Education Partnership for Innovation and Sustainable Biomedical Informatics Capacity in Kenya.”

Kingsbury, Bruce A; arts & sciences administration, from DLZ Michigan, Inc, $118,996, “Determining Spatial and Temporal Environmental Associations of Ophiomyces Phosphodica Across a Variable Landscape Using Environmental DNA: Implications for Snake Fungal Disease Management.”

Kirkpatrick, Jane M; nursing, from Indiana State Department of Health, $20,000, “Improving the Health of Americans through Prevention and Management of Diabetes and Heart Disease and Stroke.”

Kong, Nan; biomedical engineering, from Indiana University, $100,618, “Brain Health Patient Safety Learning Laboratory.”

Kranse, Matthew J M; materials engineering, from Silvey Construction, $80,000, “Novelis Corporation.”

Kruskemark, Casey J; medicinal chemistry & molecular pharmacology, from X-Chem, Inc, $100,000, “Covalent Crosslinking of DNA-Encoded Libraries to Target Proteins.”

Kubis, Tillmann C; electrical & computer engineering, from Northwestern University, $70,000, “EFRI 2-DARE: Scalable Growth and Anti-Ambipolar Heterojunction Devices.” (a Discovery Park award – Network for Computational Nanotechnology [NCN])

Kuhn, Richard J; biological sciences, from Indiana University School of Medicine, $2,466,164, “Consortium – Titan Krios Electron Microscope-Indiana Bioscience Research Institute Funding.”

Kuhn, Richard J; biological sciences, from Indiana University, $493,233, “Consortium – Titan Krios Electron Microscope-Indiana University-Bloomington Funding.”

Lacount, Douglas J; Grama, Ananth Y and Nakayasu, Ernesto S; medicinal chemistry & molecular pharmacology, computer science, biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, $711,675, “Emerging Virus-Host Cell Protein Interaction Networks.”

Lee, Chi Hwan; biomedical engineering, from Air Force Office of Scientific Research, $150,000, “Bio-Integrated Sensor Patch Comprising Semiconducting Silicon Nanoneedles for Intratissue and Intracellular Recording.”

Lesun, Timothy B; Hermida Casas, Jesus A; Little, Dianne; Main, Russell P and Weng, Hsin-Yi; veterinary clinical sciences, basic medicine science, comparative pathobiology, from American College of Veterinary Surgeons, $21,000, “Collagen Orientation and Tensile Strength of Equine Proximal Sesamoid Bones.”

Li, Ninghui; computer science, from Indiana University, $37,468, “Correct Enforcement of Access Control Policy in Modern Operating Systems, Amendment 3; Grant 13000472.”

Liceaga, Andrea M; food science, from Weaver Popcorn Company, $1,000, “Multi Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Clasen Quality Chocolate, $14,000, “Multi Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Heartland Food Products Group, $1,500, “Multi Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Heartland Food Products Group, $4,500, “Multi Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Impossible Foods Inc., $5,000, “Multi Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Impossible Foods Inc., $5,000, “Multi Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Prinova, $1,000, “Multi Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from Heartland Food Products Group, $4,500, “Multi Sponsored Gift- Sensory.”

Little to Ni

**Little, Dianne; Aryal, Uma K; Calve, Sarah; Cooper, Bruce R; Sanmiguel, Phillip John** and **Thimmappuram, Jyothi**: basic medicine science, medicinal chemistry & molecular pharmacology, biomedical engineering, agriculture administration, from PHS-NIH National Institute of Arthritis and Musculoskeletal and Skin Diseases, $485,405, "Driver Genes for Engineered Rotator Cuff Development.”

**Liu, Baiying**: mathematics, from National Science Foundation, $17,050, “Faculty Early Career Development (CAREER): on Certain Fundamental Problems in Automorphic Forms and Langlands Program.”

**Liu, Pi Ju**: nursing, from Scripps College, $7,400, “Susceptibility to Mass Marketing Fraud Among the Elderly.”

**Liu, Yangfan** and **Bolton, J Stuart**: mechanical engineering, from Beijing Ancsonic Technology Co. Ltd, $201,857, “Active Noise Control and its Applications.”

**Loew, Tamara F** and **Perrault, Evan K**: recreation & wellness, communications, from Indiana Family & Social Services Administration, $63,000, “Purdue Planning, Implementation, and Evaluation of Pilot Programs to Address Substance Abuse Prevention and Mental Health Promotion.”

**Lucht, Robert P; Gore, Jay P; Meyer, Scott E** and **Sojka, Paul E**: mechanical engineering, from Federal Aviation Administration, $120,000, “Federal Aviation Administration (FAA) COE ASCENT: National Jet Fuels Combustion Program: Area #5 Atomization Tests and Models.”

**Lucht, Robert P**: aeronautics & astronautics, from National Aerospace Solutions, LLC, $62,500, “Digital Holography Measurements of Transonic and Supersonic Flowfields.”

**Ma, Jianxin**: agronomy, from Indiana Soybean Alliance, $80,896, “Genetic Dissection of Yield-Related Traits for Soybean Breeding.”

**Ma, Linquan**: mathematics, from National Science Foundation, $211,131, “Singularities and Multiplicities in Commutative Algebra.”

**MacDermid Wadsworth, Shelley**: human development & family studies, from Lilly Endowment Inc., $450,700, “Transforming Transitions for Military and Veteran Families (41000328).”


**Manfra, Michael James**: physics & astronomy, from Rochester Institute of Technology, $164,430, “Non-Equilibrium Quantum Computing with Spins in Semiconductors; Amendment 1.” (a Discovery Park award – Birck Nanotechnology Center)

**Mattson, Marifran**: communications, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “COM – SRG.”

**Mckee, Renee K**: Purdue extension, from National 4-H Council, $1, “4-H Youth Programs.”

**Mei, Jianqiao**: chemistry, from Amblilight, Inc, $95,000, “Amblilight, Inc.”

**Mengiste, Tesfaye D**: botany & plant pathology, from Rural Development Administration, $18,296, “Understanding Epigenetic Control of Plant Immunity for New Biomaterials.”

**Mesecar, Andrew D**: biochemistry, from Purdue Research Foundation (PRF) Summer Research Grants, $10,634, “BCHM – SRG.”

**Mesecar, Andrew D** and **Kuhn, Richard J**: biochemistry, biological sciences, from Northwestern University, $102,510, “Structural Genomics Centers for Infectious Diseases.”

**Mesecar, Andrew D** and **Kuhn, Richard J**: biochemistry, biological sciences, from Northwestern University, $51,255, “Structural Genomics Centers for Infectious Diseases.”

**Miller, Jeffrey T**: chemical engineering, from Argonne National Laboratory, $15,000, “Catalyst Characterization to Support Catalyst Development for Converting Biomass.”

**Mishra, Dharmendra K**: food science, from Shire 1 & Shire 2 Restaurants, $50, “Multi Sponsored Gift.”

**Mishra, Dharmendra K**: food science, from Gary & Tammy Williams, $75, “Multi Sponsored Gift.”

**Mohammed, Sulma I**: comparative pathobiology, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “CPBL – SRG.”

**Moulton, Sabra R**: airport operations, from Federal Aviation Administration, $2,935,278, “Strengthen and Rehabilitate Runway 10-28:Base Bid (Runway 10 End) Only (Federal).”

**Mukherjee, Partha P**: mechanical engineering, from Underwriters Laboratories, $100,000, “Overdischarge Study of Lithium-Ion Batteries.”

**Mukherjee, Partha P**: mechanical engineering, from Nissan Research & Development, Inc., $130,000, “Electrodeposition in All Solid-State Li-Ion Batteries.”

**Munson, Eric J**: industrial & physical pharmacy, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “Inpp – Srg.”

**Mutchler, Jane F**: business administration, from Indiana Economic Development Corporation, $41,916, “Northwest Indiana Small Business Development Center 2019 (State Funds).”

**Nees, Jenna M**: field extension, from University of Nebraska-Lincoln, $41,628, “Farming Together: Enhancing Your Worth as a Farm Business Partner.”

**Neumeister, Norbert; Bortoletto, Daniela; Shipsey, Ian P; Finley, John P; Cui, Wei K; Khlebnikov, Sergei** and **Kruczenski, Luis Martin**: physics & astronomy, from U.S. Department of Energy, $890,000, “An Experimental and Theoretical High Energy Physics Program.”

**Newton, Kathryn A**: engineering technology, from Purdue Research Foundation (PRF) Summer Research Grants, $21,268, “TECH – SRG.”

**Ni, Jiqin** and **Daly, Sarah**: agricultural & biological engineering program, from Lafayette, City of, $9,500, “Lab-Scale Bio-Methane Potential Test.”
O’Haire to Russ

O’Haire, Marguerite E; comparative pathobiology, from Kinley Trust, $19,474, “Evaluating the Effects of Service Dogs on Children with Autism Spectrum Disorder (ASD) and Their Caregivers.”

Olenchak, F Richard; educational studies, from Purdue Research Foundation (PRF) Summer Research Grants, $18,599, “EDST – SRG.”

Ostanek, Kristine M; human development & family studies, from Pennsylvania State University, $42,920, “An Adoption Study of the Development of Early Substance Use: the Joint Roles of Genetic Influences, Prenatal Risk,”

Ott, Carol A; Development of Early Substance Use: the Joint Roles of Genetic Influences, Pennsylvania State University, $42,920, “An Adoption Study of the Development of Early Substance Use: the Joint Roles of Genetic Influences, Prenatal Risk.”

Olenchak, F Richard; comparative pathobiology, from SHRG. Foundation (PRF) Summer Research Grants, $18,599, “EDST – SRG.”

Olenchak, F Richard; with Autism Spectrum Disorder (ASD) and Their Caregivers. 

O’Haire, Marguerite E; comparative pathobiology, from Kinley Trust, $19,474, “Evaluating the Effects of Service Dogs on Children with Autism Spectrum Disorder (ASD) and Their Caregivers.”


Ratcliff, Timothy L; Kazemian, Abdulmajid and Elzey, Bennett D; comparative pathobiology, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, $114,348, “Inflammation-Induced Modulation of the Adult Stem Cells.”


Reddivari, Lavanya; food science, from National Institute of Food & Agriculture, $499,981, “Anti-Colitic Effects of Maize 3-Deoxylflavonoids: Role of Healthy Vs. Colitis-Associated Human Gut Bacteria.”

Reddivari, Lavanya; food science, from National Institute of Food & Agriculture, $499,981, “Anti-Colitic Effects of Maize 3-Deoxylflavonoids: Role of Healthy Vs. Colitis-Associated Human Gut Bacteria.”

Reeling, Carson J; agricultural economics, from Michigan State University, $34,552, “Using Markets to Coordinate the Provision of Multiple Agri-Environmental Services.”

Remis, Melissa J; anthropology, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “ANTH - SRG.”

Ribeiro, Fabio H; Gounder, Rajamani P and Miller, Jeffrey T; chemical engineering, from Purdue Research Foundation, $1,260,000, “I2FE Increase Gasoline Octane.”

Rispens, Joseph V; biomedical engineering, from University of Pittsburgh, $37,457, “Fast Targeted Spectroscopic Imaging for Brain Tumor Imaging at 3T and 7T.”

Rispens, Joseph V; biomedical engineering, from University of Pittsburgh, $37,457, “Fast Targeted Spectroscopic Imaging for Brain Tumor Imaging at 3T and 7T.”

Rochet, Jean-Christophe; medicinal chemistry & molecular pharmacology, from Michael J. Fox Foundation, $48,353, “Cross-PTM Affinity Analysis for MRF-R13 Antibody Directed to the pS129-Asyn.”

Rochet, Jean-Christophe; medicinal chemistry & molecular pharmacology, from Michael J. Fox Foundation, $48,353, “Cross-PTM Affinity Analysis for MRF-R13 Antibody Directed to the pS129-Asyn.”

Rochet, Jean-Christophe; medicinal chemistry & molecular pharmacology, from Michael J. Fox Foundation, $48,353, “Cross-PTM Affinity Analysis for MRF-R13 Antibody Directed to the pS129-Asyn.”

Rollock, David; psychological sciences, from Purdue Research Foundation (PRF) Summer Research Grants, $15,951, “PSYS – SRG.”

Rosler, Corey E; field extension, from Arrow Head Country Resource Conserv, $2,700, “Miami County Extension Drone.”

Ruple, Audrey; comparative pathobiology, from University of Washington, $31,511, “The Dog Aging Project: Genetic and Environmental Determinants of Healthy Aging in Companion Dogs.”

Russ, Alissa; pharmaceutical practice, from R.L. Roudebush Veterans Administration Medical Center, $46,280, “Intellectual Property Agreement (IPA) for Alissa Russ.”
Sadeghi to Sutherland

Sadeghi, Farshid: mechanical engineering, from SKF Group, $89,965, “SKF B.V. Kelvinbaan.”

Salazar, Kara A: Indiana-Illinois Sea Grant, from Ohio State University, $10,547, “Great Lakes Sea Grant Green Infrastructure Workshop.”

Salazar, Kara A: Indiana-Illinois Sea Grant, from Ohio State University, $515, “Great Lakes Sea Grant Green Infrastructure Workshop.”

Samanta, Roopsha: computer science, from National Science Foundation, $66,800, “Collaborative Research: Verification Mentor – Charles Santerre.”

Sandhage, Kenneth H: materials engineering, from Virginia Commonwealth University, $246,906, “Mechanisms Mediating Osseointegration of 3-D Printed Titanium Constructs.”

Sangid, Michael D: aeronautics & astronautics, from Rolls-Royce, Inc., $100,000, “Location-Specific Fatigue Modeling.”

Santerre, Charles R: nutrition science, from Office of Science Technology Policy, $12,000, “Intergovernmental Personnel Agreement – Charles Santerre.”

Santerre, Charles R: nutrition science, from Office of Science Technology Policy, $24,000, “Intergovernmental Personnel Agreement – Charles Santerre.”

Santiago, Luis A: field extension, from Daviess County, $37,664, “Kiesel 2019 Daviess County Government Support.”

Schmitt, Sara A; Purcell, Megan L; Purpura, David J; Duncan, Robert J and Elicker, James G: human development & family studies, from Indiana Family & Social Services Administration, $121,347, “On My Way Prekindergarten Expansion Project.”


Schneider, Steven P: aeronautics & astronautics, from General Atomics, $50,000, “General Atomics.”

Schweitzer, James F: health sciences, from Tippecanoe County Board of Commissioners, $4,800, “Practical Training for Dublin Institute of Technology Students.”

Sepulveda, Maria Soledad: forestry & natural resources, from Department of the Army, $100,000, “Development of Amphibian Poly- and Perfluoroalkyl Substances Toxicity Reference Values for Use in Ecological Risk.”

Shahidi, Freydoon: mathematics, from National Science Foundation, $90,752, “L-Functions, Fourier Transforms, and Gamma Factors.”

Shalaev, Vladimir M: electrical & computer engineering, from Harvard University, $217,337, “Active Metasurfaces for Advanced Wavefronts Engineering and Waveguiding; Amendment 6, Grant 13000389.”


Sheffield, John W: engineering technology, from International Association for Hydrogen Energy, $10,000, “IAHE Expenses (Orig. 30001562).”

Shih, Tom I-P.; Bolton, J Stuart and Heister, Stephen D: aeronautics & astronautics, mechanical engineering, from The Boeing Company, $323,402, “Advance Air-Oil Cooler.”

Shih, Tom I-P.: aeronautics & astronautics, from Purdue Research Foundation (PRF) Summer Research Grants, $10,634, “AAEN – SRG.”


Son, Steven F: mechanical engineering, from University of Michigan, $43,750, “Theory and Experiment of Cocryystals: Principles, Synthesis and Properties; Amendment 8; Grant 13000359.”

Staiger, Christopher J: botany & plant pathology, from Purdue Research Foundation (PRF) Summer Research Grants, $10,634, “BTNY – SRG.”

Stewart, Kara R: animal sciences, from Cook Research Incorporated, $15,397, “Non-GLP Evaluation of Bioequivalence of Fenbendazole.”

Stewart, Kara R: animal sciences, from Iowa State University, $22,962, “An Integrated Approach to Improve Whole Herd Pig Survivability.”

Strachan, Alejandro H; Chen, Weinong W; Koslowski, Marisol; Ortalan, Volkman and Son, Steven F: materials engineering, aeronautics & astronautics, mechanical engineering, from Office of Naval Research, $1,481,881, “Pc@Xtreme – Predictive Chemistry & Physics at Extreme Temperature and Pressure: Molecules, Crystals and Microstructures.”

Strachan, Alejandro H: materials engineering, from Applied Research Institute, $100,000, “Atomistic Modeling of Finfet Devices.” (a Discovery Park award – Network for Computational Nanotechnology [NCNI])

Sudhoff, Scott D: electrical & computer engineering, from Tru-Flex LLC, $15,000, “Indians Next Generation Manufacturing Competitiveness Center Focus Area Consortium.”

Taheripour to Yaninek

**Taheripour, Farzad; Tyner, Wallace E; Chepeliev, Maksym G; Corong, Erwin L and Aguiar, Angel H.**; agricultural economics, from World Bank, $151,700, “Using the Global Trade Analysis Project (GTAP)-Bio-W Model to Address Some Key Water Challenges in Some Middle Eastern Countries and Morocco.”

**Talavage, Thomas M; Nauman, Eric A; Goni Cortes, Joaquin; Rayz, Vitaliy L; Rispoli, Joseph V and Tong, Yunjie.**; electrical & computer engineering, mechanical engineering, industrial engineering, biomedical engineering, from Stanford University, $39,960, “Effects of Helmet Type and Limenar Stance on Brain Health in Professional-Level Football Athletes.”

**Teegarden, Dorothy.**; nutrition science, from Purdue Research Foundation (PRF) Summer Research Grants, $5,317, “NUTR – SRG.”

**Telenko, Darcy E P and Cruz, Christian D.**; botany & plant pathology, from Indiana Corn Marketing Council, $78,486, “Characterizing the Distribution, Biology and Management of Corn Tar Spot to Reduce its Impact in Indiana.”

**Telenko, Darcy E P.**; botany & plant pathology, from Indiana Soybean Alliance, $48,496, “Determining the Impact of Foliar Diseases on Indiana Soybean Production and Identifying Practices that Improve Seed Yield and Quality.”

**Tesmer, John and Chen, Qiuyan.**; biological sciences, from American Heart Association, $106,532, “Structural Basis of GPCR Mediated GRK Activation.”

**Thompson, Nathanael M and Mintert, James R.**; agricultural economics, from University of Nebraska-Lincoln, $50,000, “Improving Marketing Risk Management Skills: Combining Indiana -Person and Online Educational Delivery.”

**Tonnensen, Bridgette L and Seidl, Amanda H.**; psychological sciences, speech, language & hearing sciences, from Kinley Trust, $20,000, “Using Citizen Science to Generate a Large-Scale Corpus of Vocal Maturity in Typical and Atypical Language Learners.”


**Turco, Ronald F and Penn, Chad J.**; agronomy, from America Society of Agricultural & Biological Engineers, $15,279, “Development of Online Learning Modules Relating to the NRCS Conservation Planning Process.”

**Tyner, Wallace E and Taheripour, Farzad.**; agricultural economics, from Federal Aviation Administration, $400,000, “Techno-Economic and Life-Cycle Analysis of Alternative Aviation Biofuels Supply Chains.”

**Vacc, Andrea; agricultural & biological engineering program, from KYB Corporation, $65,000, “KYB Corporation.”**

**Vacc, Andrea; agricultural & biological engineering program, from Casappa Spa, $56,500, “Modeling Analysis of Helical Gear Pumps.”**

**Vacc, Andrea; agricultural & biological engineering program, from CNH – Hydraulic Competency Center, $2,257, “Increase Institutional Proposal (IP) Fee: Electronic Braking System for Wheel Loaders (40001323).”**

**Vacc, Andrea; agricultural & biological engineering program, from Bosch Rexroth Corporation, $95,122, “Numerical Modelling and Design Optimization of Spur-Type External Gear Pumps with Involute Teeth-Phase I.”**

**Vyn, Tony J.**; agronomy, from Indiana Corn Marketing Council, $51,784, “Practical Placement Strategies for Potassium Fertilizer in Corn – Year 3.”

**Wagner, Robert G.**; forestry & natural resources, from Indiana Forestry & Woodland Owners Association, $80,905, “Indiana Forest Woodlands Owners Association (Indiana Forest Woodlands Owners Associations (IFWOA)).”

**Wagner, Robert G; forestry & natural resources, from Walnut Council, $80,905, “Walnut Council.”**

**Waltenburg, Eric N.**; political science, from Purdue Research Foundation (PRF) Summer Research Grants, $10,634, “POL – SRG.”

**Weiner, Andrew M; electrical & computer engineering, from Naval Research Laboratory, $100,001, “Kerr Comb Arrays for Signal Processing and Sensing.”**

**Weiner, Andrew M; electrical & computer engineering, from Army Research Laboratory, $60,000, “Frequency and Polarization Entanglement for Quantum Networks.”**

**West, Terry R.**; earth, atmospheric & planetary sciences, from AEG Chicago Chapter, $200, “AEG Travel.”

**Wilker, Jonathan J.**; chemistry, from Office of Naval Research, $86,074, “Making Higher Performance Adhesives that Are Charged, Debondable, and Tough.”


**Wisecaver, Jennifer H.**; biochemistry, from Johns Hopkins University Applied Physics, $166,071, “Development of Advanced Plant Technologies for the Detection of Environmental Threats.”

**Wodicka, George R.**; biomedical engineering, from Purdue Research Foundation (PRF) Summer Research Grants, $10,634, “BMEP – SRG.”

**Xi, Bowei.**; statistics, from University of Texas at Dallas, $80,848, “Data Analytics for Cyber Security: Defeating the Active Adversaries; Amendment 3, Grant 13000589.”

**Xu, Yunlin.**; nuclear engineering, from Argonne National Laboratory, $15,000, “Improving Convergence of GPASS.”

**Yaninek, John S; Weller, Stephen C and Burniske, Andrea E; entomology, horticulture & landscape architecture, global engineering programs, from Rutgers State University, $19,000, “Improving Income and Nutrition of Smallholder Farmers in Eastern Africa Using a Market Driven Approach to Enhance Value Chain Production of African Indigenous Vegetables.”**
Yeomans to Zillich

Yeomans, Christopher L; philosophy, from Purdue Research Foundation (PRF) Summer Research Grants, $10,634, “PHIL – SRG.”

Yin, Ming; computer science, from National Science Foundation, $174,992, “CRII: CHS: Experimental Studies of Human Trust in Machine Learning.”

Youngblood, Jeffrey P and Trice, Rodney W; materials engineering, from Rolls-Royce Corporation, $84,000, “Development of CMAS Resistant Thermal Barrier Coating Systems.”

Yu, Denny; Duerstock, Bradley S; Pitts, Brandon J and Wachs, Juan P; industrial engineering, from Ford Motor Company, $200,000, “Multimodal Cognitive and Perception Sensing for Situational Awareness.”

Zahraee, Afshin H; engineering technology, from NiSource Corporate Services Company, $3,240, “Tensile Testing of Glass Insulators for NIPSCO.”


Zhang, Haiyan H; engineering technology, from Black Hawk Seals, LLC, $12,500, “Center for Technology Development Consortium (CTD).”

Zhang, Hao; statistics, from Purdue Research Foundation (PRF) Summer Research Grants, $26,585, “STAT – SRG.”

Zhang, Xiangyu; computer science, from SRI International, $256,892, “Transparent Computing; Amendment 4, Grant 13000406.”

Zhang, Zhong-Yin; medicinal chemistry & molecular pharmacology, from Purdue Research Foundation (PRF) Summer Research Grants, $10,634, “MCPH – SRG.”

Zhou, Chenn Qian and Silaen, Armin K; Center for Innovation through Visualization and Simulation, from Stelco, $21,731, “Computational Fluid Dynamics (CFD) Modeling of Desulphurization Rotary Lances System in a Steel Ladle.”

Zhou, Chenn Qian; mechanical & civil engineering, from Cliffs Natural Resources, $25,000, “Steel Manufacturing Visualization and Simulation Consortium (SMVSC) Membership.”

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

Notice Regarding Sponsored Program Awards

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