Abel, Steven R; Ainslie, Paul J and Hicks, Jennifer L; Office of Engagement, from Indiana Department of Education, $210,965, "Mathematics in Science, Technology and Engineering."

Abel, Steven R; Ainslie, Paul J and Hicks, Jennifer L; Office of Engagement, from Indiana Department of Education, $7,534, "Mathematics in Science, Technology and Engineering."

Agrawal, Rakesh and Tawarmalani, Mohit; chemical engineering, management, from ExxonMobil Research Engineering Company, $638,665, "Optimization of Oil/Gas Processes and Process Flowsheets."


Ajuwon, Kolapo; animal sciences, from AB Agri Limited, $9,980, "Swine Research."

Allebach, Jan P; electrical & computer engineering, from Hewlett Packard, $75,000, "Person Detection and Recognition for Smart-home and Smartoffice – Expansion of Scope."

Allebach, Jan P; electrical & computer engineering, from Hewlett Packard, $75,000, "Machine Learning for Personal Media Discovery."

Allebach, Jan P and Delp, Edward J; electrical & computer engineering, from Hewlett Packard, $75,000, "Real-Time Object Detection and Recognition – Phase 2."

Applegate, Bruce M; food science, from Millisecond Technologies, Corp, $7,000, "Food Microbiology Research."

Ballard, Roy W; field extension educators, from Indiana State Department of Agriculture, $58,000, "Foodlink 2.0: Growing the Adoption and Use of Foodlink a Speciality Crop Decision Making Tool."

Basaran, Osman A; chemical engineering, from Dow Agro Sciences, $12,500, "A Mechanistic Approach to Studying Agro-chemical Sprays – Part II."

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

Beaulieu, Lionel J; Track Express-Center for Regional Development, from Office of Small Business & Entrepreneurship, $83,490, "Southeast Small Business Development Center (SBDC) 2017 – State."

Beaulieu, Lionel J; Track Express-Center for Regional Development, from Office of Small Business & Entrepreneurship, $148,922, "Southeast Small Business Development Center (SBDC) 2017 – Federal."

Bertino, Elisa; computer science, from Electronics and Telecommunications Research Institute, $50,185, "Study on Key Hiding and Software Integrity Verification for Unmanned Vehicle."

Bhave, Sunil A; electrical & computer engineering, from Cornell University, $12,750, "Control of Mechanical Quantum States Using Diamond Spins."

Boiarsky, Carolyn R and Morris, Karen L; English and philosophy – Calumet Campus, from National Writing Project, $20,000, "2017-2018 Seed Advanced Institute to Scale-Up the NWP College-Ready Writers Program."

Bolin, Jeffrey T; Executive Vice President for Research and Partnerships, from Purdue University, $94, "2016-17 EVPRP Laboratory & University Core Facilities Research Equipment Program."

Bolin, Jeffrey T; Executive Vice President for Research and Partnerships, from Purdue University, $6,800, "1617 Lab & Core Equip: Schaber."

Bolin, Jeffrey T; Executive Vice President for Research and Partnerships, from Kinley Trust, $35,302, "2016 Non-Lab Proposals Tier 1 Funded."

Boltasseva, Alexandra and Shalaev, Vladimir M; electrical & computer engineering, from Air Force Office of Scientific Research, $250,000, "Hot-Electrons Generation in New Plasmonic Materials for Integrated on-Chip Devices. (a Discovery Park award – Birck Nanotechnology Center)"

Bouman, Charles A and Comer, Mary L; electrical & computer engineering, from Carnegie-Mellon University, $133,008, "Managing the Mosaic of Microstructure, Amendment 8; Grant 106276."

Bouman, Charles A; electrical & computer engineering, from Eli Lilly and Company, $89,996, "Development of Software Tool Exploiting Novel Algorithms for Reconstructing High Quality Time Varying 3-D Images from Limited Xray Computed Tomography (CT) Data."

Bouman, Charles A; electrical & computer engineering, from Innovative Scientific Solutions, Inc., $79,912, "Analysis of Reconstruction and Model Uncertainty for TDLAS Computed Tomography."
Braun to Delp

Braun, James E: _civil engineering, _from National Renewable Energy Laboratory, _$50,000, _“An Open, Cloud-Based Platform for Whole-Building Fault Detection and Diagnostics; Modification 1; Grant 108860.”

Braun, James E: _mechanical engineering, _from Bristol Compressors, Inc., _$25,000, _“Center for High Performance Building Consortium.”

Brower, Jeffrey E: _philosophy, _from University of Notre Dame, _$62,500, _“Medieval Theories of Space and Time.”

Brown, Becky A: _foreign language & literature, _from Japan Foundation, _$2,500, _“Mushiagare: the Food Culture of Japan.”

Caffee, Marc W: _physics, _from National Aeronautics and Space Administration, _$109,000, _“Radionuclides as Probes of Solar System Processes: Development of AMS Techniques for Their Measurement.”

Cakmak, Mukerrem: _mechanical engineering, _from University of Arkansas, _$142,194, _“Electric-Field Alignment of Immiscible Polymer Blends with Dispersed Nanoparticles for Mesoporous Reactive Membranes.” _(a Discovery Park award – Birck Nanotechnology Center)

Caldwell, Barrett S: _industrial engineering, _from University of Southern Indiana, _$1,000, _“Indiana Space Grant Consortium (INSGC) Affiliate Dues.”

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 Purdue Northwest, _$1,000, _“Indiana Space Grant Consortium (INSGC) Affiliate Dues.”

Calve, Sarah and Kinzer-Ursem, Tamara L: _biomedical engineering, _from PHS-NIH National Institute of Arthritis and Musculoskeletal and Skin Diseases, _$174,788, _“Bioorthogonal Labeling of Extracellular Matrix Assembly.”

Campbell, Noll L: _pharmacy practice, _from PHS-NIH National Institute on Aging, _$142,448, _“Evaluating the Adverse Cognitive Effects of Medications.”

Cason, Timothy N: _economics, _from University of Stirling, _$10,000, _“Pes Scheme Design for Coastal Ecosystems.”

Casteel, Shaun N: _agronomy, _from National Crop Insurance Service, _$10,000, _“Soybean Extension Research.”

Chandrasekar, Srinivasan; Bahr, David F; Mann, James B; Trumble, Kevin P and Viswanathan, Koushik: _industrial engineering, _materials engineering, _from Department of the Army, _$43,010, _“Large-Area Optical Surface Profilometry for Advanced Manufacturing and Materials Processing.”

Chaturvedi, Alok R: _management, _from Wadhwani Charitable Foundation, _$25,000, _“Mentoring for Business Success MOOC.”


Chmielewski, Jean A: _chemistry, _from National Science Foundation, _$52,962, _“Cationic Amphiphilic Polyproline Helices (CAPHs): Coupling Antibacterial Activity with Mammalian Cell Penetration.”

Cleveland, William S; Crabill, Douglas G; Song, Qifan; Wang, Xiao and Xi, Bower: _statistics, _from Air Force Research Laboratory, _$225,000, _“Diagnostic Methods & Software for Fitted-Model Checking.”

Collingsworth, Paris D: _forestry & natural resources, _from University of Illinois, _$386,658, _“Improving Community Resiliency in the Great Lakes through Applied Research and Extension, Amendment 2; Grant 108149.”

Colon, Bonnie R; Didelot, Mary J and Hollingsworth, Lisa A: _education – Calumet campus, _education, _from Lilly Endowment Inc., _$20,000, _“Comprehensive Counseling Initiative: Enhancing School Principal and Counselor Preparation Program Planning Grant.”

Colon, Bonnie R: _education – Calumet campus, _from Indiana Youth Institute, _$750, _“Grief and Loss Counseling Training through Grief Recovery Institute Certification Training.”

Connor, Robert J and Lloyd, Jason B: _civil engineering, _from Wyoming Department of Transportation, _$142,223, _“Field Testing and Long-Term Monitoring of Selected High-Mast Lighting Towers.”

Connor, Robert J and Lloyd, Jason B: _civil engineering, _from Michael Baker Jr Inc., _$82,584, _“Field Testing and Short-Term Monitoring of Senior-163 Mexican Hat Architectures Bridge.”

Connor, Robert J: _civil engineering, _from Wyoming Department of Transportation, _$35,556, _“Field Testing and Long-Term Monitoring of Selected High-Mast Lighting Towers.”

Culurciello, Eugenio: _biomedical engineering, _from Office of Naval Research, _$30,000, _“Software and Hardware for Deep Learning of Video Sequences.”

Culurciello, Eugenio: _biomedical engineering, _from Office of Naval Research, _$76,173, _“Software and Hardware for Deep Learning of Video Sequences.”

Davis, Susan B: _Track Express-Center for Regional Development, _from Office of Small Business & Entrepreneurship, _$70,589, _“Hoosier Heartland Small Business Development Center CY 2017 (State).”

Davis, Susan B: _Track Express-Center for Regional Development, _from Office of Small Business & Entrepreneurship, _$144,531, _“Hoosier Heartland Small Business Development Center CY 2017 (Federal).”

Dehr, Karol A: _English & linguistics – Fort Wayne campus, _from Starseed Foundation, _$1,500, _“Youth Writing Project.”

Delp, Edward J: _electrical & computer engineering, _from Air Force Research Laboratory, _$769,154, _“Media Forensics Integrity Analytics.”

DeWoody to Gibson

DeWoody, James A: _forestry & natural resources, _from Texas Technology University, _$191,000, _"Genomics and Historical Demography of Gray Whales."

DeWoody, James A: _forestry & natural resources, _from Texas Technology University, _$20,000, _"Western Gray Whale Biopsy Sample Analyses Program, Amendment 2 & Amendment 3."

Dilger, C B: _English, _from University of Illinois, _$141,708, _"Crow: the Corpus & Repository of Writing."

Dooley, Frank J; Clifford, Rita K; Drake, Brent M and Horne, Pamela T: _Office of the Provost, _IT application services, _Office of Institutional Research, Assessment and Effectiveness, _enrollment management administration, _from Arizona State University, _$39,745, _"University Innovation Alliance Collaborative Agreement."


Ebert, David S; Butzke, Christian E; Habib, Ayman F; Schulze, Darrell G; Weldon, Sirje L and Cooper, Bruce R: _electrical & computer engineering, _food science, _civil engineering, _agronomy, _political science, _medicinal chemistry & molecular pharmacology, _from Purdue University, _$299,998, _"Harnessing Technology and Information Fusion to Enable Resilient and Sustainable Food-Water Balance Under Evolving Environmental Conditions."

Egel, Daniel S: _botany & plant pathology, _from Syngenta Crop Protection Inc., _$2,000, _"Potassium Management."

Elliott, Daniel S: _electrical & computer engineering, _from National Science Foundation, _$5,000, _"Research Experience for Undergraduates (REU) Supplement to Towards Precision Measurements of Atomic Parity Violation Using Two-Pathway Coherent Control."


Engel, Bernard A: _agricultural & biological engineering, _from Agricultural Research Service, _$2,000, _"User Interface and Database for Apex Model."


Erk, Kendra A: _materials engineering, _from National Science Foundation, _$8,000, _"Research Experience for Undergraduates (REU) Supplemental Funding for Existing NSF Faculty Early Career Development (CAREER): Water-Based Gels Containing Polymer and Cement-Like Particles for Improved Curing of High-Performance Concrete."

Erk, Kendra A: _materials engineering, _from National Science Foundation, _$9,201, _"Supplement for Faculty Early Career Development (CAREER): Water-Based Gels Containing Polymer and Cement-Like Particles for Improved Curing of High-Performance Concrete."

Farkas, Brian E: _food science, _from Carsons Brewery LLC, _$175, _"Multi-Sponsored Gift Fermentation."

Farkas, Brian E: _food science, _from Taxman Brewing Company LLC, _$25, _"Multi-Sponsored Gift Fermentation."

Feikes, David J; Warren, Aaron R and Pratt, David M: _mathematics, _computer science & statistics – Calumet campus, _chemistry and physics – Calumet campus, _education – Calumet campus, _from Indiana Department of Education, _$200,000, _"Conceptual Algebra Readiness with Engineering and Science (CARES); Amendment 2."

Ferroli, Christina E and Wagoner, Steven D: _field extension educators, _from Lilly Endowment Inc., _$4,879, _"Teens as Teachers."

Ferroli, Christina E: _field extension educators, _from Lilly Endowment Inc., _$7,500, _"Purdue Extension-Marion County Summer Camp Enhancement Program."

Field, William E: _agricultural & biological engineering, _from Life Essentials, LLC, _$7,797, _"Breaking New Ground."

Fisher, Timothy: _mechanical engineering, _from The Boeing Company, _$100,000, _"Integrated Thermal Management of Aerospace Vehicles Consortium Membership."

Flaherty, Daniel P: _medicinal chemistry & molecular pharmacology, _from University of Rochester, _$124,544, _"Rnase E a Novel New Gram-Negative Antimicrobial Target, Amendment 1; Grant 108295."

Gallant, Kathleen H and Zoss, Donna L: _foods & nutrition, _from Indiana Department of Education, _$13,529, _"National School Lunch Program Cycle Menu Project for Indiana Schools."

Garimella, Suresh V: _mechanical engineering, _from Rogers Corporation, _$30,000, _"Cooling Technologies Research Center (Cooling Technologies Research Center (CTRC)) Membership – Memo Match for 106029."

Garimella, Suresh V; Lynall, Matthew D and Duval-Couetil, Nathalie A: _Executive Vice President for Research and Partnerships, _management, _industrial technology, _from University of Michigan, _$171,632, _"I-Corps Node: Activating the Midwest I-Corps Network.” (a Discovery Park award – Burton D Morgan Entrepreneurship Center)

Garrison, James L: _aeronautical & Astronautical engineering, _from National Aeronautics and Space Administration, _$81,637, _"Assimilation of Global Navigation Satellite System (GNSS)-R Delay-Doppler Maps into Hurricane Models."

Gentry, Marcia L: _educational studies, _from Jack Kent Cooke Foundation, _$150,000, _"Project Hope+: Continued Request for the Period March 2017 through February 2019."

Giannios, Dimitrios: _physics, _from National Aeronautics and Space Administration, _$253,831, _"Blazar Emission Modeling: Going Beyond the Spherical Cows."

**Goodsell to Horgan**

Goodsell, Johnathan E and Sharp, Nathan D: _Composites Manufacturing and Simulations Center, _from University of Tennessee, _$30,897, _"IACMI 3.2 Project on Modeling to Predict Material and Process Characteristics (PA16-0349-3.2-01, Amendment 3)."

Grant, Richard H: _agronomy, _from Colorado State University, _$2,500, _"Climatological Monitoring of Ultraviolet Radiation."

Groll, Eckhard A and Braun, James E: _mechanical engineering, _civil engineering, _from America Society of Heating, Refrigeration and Air Conditioning Engineering Inc, _$120,714, _"Oil Return and Retention in Unitary Split System Gas Lines with HFC and HFO Refrigerants."

Groll, Eckhard A and Weibel, Justin A: _mechanical engineering, _from Oak Ridge National Laboratory, _$75,000, _"Evaluating Adhesive Bonding of Aluminum and Copper in HVAC&R Applications."

Guan, Wenjing: _horticulture & landscape architecture, _from Monsanto Company, _$1,800, _"Melon Variety Evaluation."

Haddock, John E: _civil engineering, _from Indiana Department of Transportation, _$300,000, _"2017 Local Technical Assistance Program Work Plan & Budget (207237)."

Han, Qingyou: _engineering technology, _from Eon Computer Technologies, _$26,181, _"Center for Materials Processing Research (CMPR)."

Harbin, Sherry L and Rickus, Jenna L: _biomedical engineering, _agricultural & biological engineering, _from Indiana University School of Medicine, _$40,000, _"Indiana Diabetes Research Center, Amendment 3; Grant 108175."


Hartman, Nathan W; Bertino, Elisa; Brush, Thomas H; Crawford, Brett A; DeLaurentis, Daniel A; Deshmukh, Abhijit V; French, Richard M; Greenan, James P; Hacker, Thomas J; Ropp, Timothy D; Sangid, Michael D; Sutherland, John W and Witt, Michael C: _computer graphics technology, _computer science, _management, _industrial technology, _aeronautical & astronautical engineering, _industrial engineering, _engineering technology, _curriculum and instruction, _computer & information technology, _aviation technology, _environmental & ecological engineering, _library administration, _from Purdue University, _$300,000, _"Realizing Next-Generation Smart Manufacturing."

Heeg, Marlene O: _pharmacy – administration, _from Salix Pharmaceuticals, Inc., _$700,000, _"2017 IBS Prime Initiative."


Heeg, Marlene O: _pharmacy – administration, _from Merck Sharp & Dohme Corp, _$75,000, _"Bridge Hcv: Building Bridges to Reach People Who Inject Drugs with the Goal to Eradicate HCV."


Hertel, Thomas W: _agricultural economics, _from Beijing DRC-NET Information Co., Ltd, _$40,870, _"Global Trade Analysis Project (GTAP) Consortium."


Hertel, Thomas W; Johnson, David R; Baldos, Urs Lantz C; Bowling, Laura C; Cherkauer, Keith A; Huber, Matthew and Song, Xiaohui C: _agricultural economics, _industrial engineering, _agronomy, _agricultural & biological engineering, _earth & atmospheric sciences, _ITAP Research Computing, _from Purdue University, _$320,124, _"Managing the Global Commons: Sustainable Agriculture and Use of the World’s Land and Water Resources in the 21st Century."

Hertel, Thomas W: _agricultural economics, _from International Trade Centre, _$20,435, _"Global Trade Analysis Project (GTAP) Consortium."


Hill, Catherine A; Raymond, Leigh S; Watts, Val J; Flaherty, Daniel P; Pfeffer, Linda J; Kuhn, Richard J and Scharf, Michael E: _Inflammation, Immunology & Infectious Diseases, _from Purdue University, _$299,999, _"Revolutionizing Control of Vector-Borne Infectious Diseases."

Holford, Kenneth C and Birchfield, Jennifer L: _Engineering, _Mathematics & Science – Calumet campus, _from Save the Dunes, _$3,000, _"Northwest Indiana Septic System Care Outreach Project."

Holford, Kenneth C: _Engineering, _Mathematics & Science – Calumet campus, _from U.S. Forest Service, _$40,000, _"Urban Waters Partnership in Northwest Indiana."

Hong, Wei: _foreign language & literature, _from Chinese Language Council International, _$45,000, _"2017 Proposal to the Confucius Institute Headquarters in Beijing, China."

Hook, Tomas O; Quagrainie, Kwamena K and Salazar, Kara A: _forestry & natural resources, _agricultural economics, _Illinois-Indiana Sea Grant Program, _from University of Illinois, _$138,646, _"2014-18 IL IN Sea Grant Omnibus."

Hopp, Lisa: _nursing – Calumet campus, _from University of Illinois at Chicago, _$29,830, _"Bridges to the Doctorate for Nursing."

Horgan, Briony H: _earth & atmospheric sciences, _from Jet Propulsion Laboratory, _$35,000, _"Using Composition to Constrain Paleoenvironments and Sites of Organic Preservation in Gale Crater; Modification 2; Grant 108399."


Purdue University Sponsored Program Awards — May 2017
Horgan to Low

**Horgan, Briony H:** _earth & atmospheric sciences, _from National Aeronautics and Space Administration, _$136,348, _"Icy Environments on Mars: Investigating Glacial Weathering in Volcanic Terrains."

**Hountz, Randall A and Clare, Mark K:** _industrial engineering, _from Indiana State Department of Health, _$38,912, _"ISDH Process Improvement." (a Discovery Park award – Regenstrief Center)

**Hu, Jingwei:** _mathematics, _from National Science Foundation, _$9,300, _"Faculty Early Career Development (CAREER): Predictive Simulations of Complex Kinetic Systems."

**Huang, Fang:** _biomedical engineering, _from U.S. Department of Interior, _$173,749, _"3-D Super-Resolution Imaging of Intact Animals, Amendment 1; Grant 108616."

**Ivantysynova, Monika:** _agricultural & biological engineering, _from Ford Motor Company, _$40,000, _"Maha Fluid Power Teaching and Research Laboratory."

**Jacobs, Douglass F:** _forestry & natural resources, _from Nature Conservancy, the, _$7,000, _"Voluntary Support – American Chestnut."

**Janes, David B:** _Columbia Initiative, _from Escuela De Ingenieria De Antioquia, _$12,233, _"PII Colombia Multi Sponsor."

**Johnson, Carla J:** _curriculum and instruction, _from Battelle Memorial Institute, _$108,698, _"Battelle – Army Educational Outreach Program Cooperative Agreement; Modification 6; Grant 108058."

**Johnson, William G:** _botany & plant pathology, _from Bayer Cropscience, _$10,000, _"Bayer Cropscience."

**Johnson, William G and Young, Bryan G:** _botany & plant pathology, _from Dow Agro Sciences, _$15,500, _"NA17P2E004, NA17R5K001, Corn Showcase Trail."

**Johnson, William G:** _botany & plant pathology, _from Syngenta Crop Protection Inc., _$48,500, _"Weed Science Research Volunteer Support."

**Johnson, William G:** _botany & plant pathology, _from Monsanto Company, _$10,584, _"Monsanto Service Order #39."

**Johnson, William G and Young, Bryan G:** _botany & plant pathology, _from Monsanto Company, _$13,230, _"Mesotrione Plus Acectohlor Premix- One Pre and Post Tank Mixes."

**Jordan, Mark A:** _biology – Fort Wayne campus, _from Indiana Department of Natural Resources, _$74,500, _"Efficacy of Using Edna to Detect Kirtlands Snake (Project Number T7R20)."

**Kazemian, Abdolmajid:** _biochemistry, _from PHS-NIH National Heart, Lung & Blood Institute, _$249,000, _"Expression, Regulation and Role of Enhancer RNAs in T Cells."

**Kentonmaa, Hilkka I:** _chemistry, _from Neste Oil Oyj, _$60,000, _"Analytical Method and Instrument Development for Large Paraffins."

**Key, Nicole L:** _mechanical engineering, _from Duke University, _$31,912, _"Grand Challenges in Turbomachinery Forced Response and NSV (207098)."

**Key, Nicole L:** _mechanical engineering, _from Honeywell International Foundation Incor, _$360,000, _"Honeywell Aerospace Voluntary Support."

**Kilaz, Gozdem and Qiao, Li:** _engineering technology, _aeronautical & astronautical engineering, _from Federal Aviation Administration, _$117,985, _"Project #26: Drop-in Aviation Fuel Fire Safety."

**Kim, Young L:** _biomedical engineering, _from Rural Development Administration of the Republic of Korea, _$50,000, _"Development of Photocatalytic Multifunctional Fabrics for Pathogenic Microorganism Inactivation Using Transgenic Fluorescent Silk."

**Klimeck, Gerhard:** _electrical & computer engineering, _from Taiwan Semiconductor Manufacturing Co, _$75,000, _"Network for Computational Nanotechnology (NCN) Membership."

**Klimeck, Gerhard:** _electrical & computer engineering, _from Sandia National Laboratories, _$76,898, _"Numerical Solution of Large-Scale Network Problems."

**Lee, Chun-Sing G:** _electrical & computer engineering, _from Korea Robotics Society, _$10,000, _"Intelligent Robots and Systems (IROS)."

**Lee, Linda S and Nies, Loring F:** _agronomy, _civil engineering, _from Defense, U.S. Department of, _$73,718, _"Quantification of in Situ Chemical Reductive Defluorination (ISCRD) of Perfluoroalkyl Compounds."

**Liceaga, Andrea M:** _food science, _from Pasco Foods, Inc, _$3,050, _"Multi Sponsored Gift- Sensory."

**Liceaga, Andrea M:** _food science, _from Impossible Foods Inc, _$4,000, _"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, _$3,000, _"Multi Sponsored Gift- Sensory."

**Lin, Xiaojun:** _electrical & computer engineering, _from National Science Foundation, _$150,000, _"WiFuUS:Collaborative Research: Low Overhead Wireless Access Solutions for Massive and Dynamic IoT Connectivity."

**Liu, Wanqing:** _medicinal chemistry & molecular pharmacology, _from Indiana University, _$75,745, _"Indiana University Center for Pediatric Pharmacology and Precision Medicine."

**Liu, Zhongming:** _biomedical engineering, _from PHS-NIH National Institute of Mental Health, _$467,734, _"Multimodal Hyperspectral Imaging of Brain Activity and Connectivity."

**Low, Philip S:** _chemistry, _from Purdue University, _$75,000, _"Malaria Research Project."
Lowenberg to Pastakia

Lowenberg-Deboer, James M and Burniske, Andrea E; _agricultural economics, _global engineering programs, _from Volunteers Economic Growth Alliance, $118,606, _“Farmer to Farmer (F2F) in Colombias Orinoquia Region.”

Lucht, Robert P and Slabaugh, Carson D; _mechanical engineering, _aeronautical & astronautical engineering, _from GE Aviation, $285,000, _“High Pressure TAPS Flame Visualization – Rig Test.”

Madhavan, Krishna and Douglas, Kerrie A; _engineering education, _from The Boeing Company, $50,000, _“Characterizing User Behaviors in Online Learning Environments.”

Marais, Karen; Davendraingam, Navindran and DeLaurentis, Daniel A; _aeronautical & astronautical engineering, _from Stevens Institute of Technology, $44,656, _“RT 178: Systems of Systems Analytic Workbench-2017.”

McCabe, George P and Henry, Courtney N; _statistics, _from PHS-NIH National Center for Complimentary and Alternative Medicine, $35,077, _“Simulation Tool to Evaluate Calcium-41 Experimental Study Designs.”

Mei, Jianguo; _chemistry, _from National Science Foundation, $104,417, _“Faculty Early Career Development (CAREER): Impact of Flow-Induced Chain Alignment in Melt-Processed Complementary Semiconducting Polymer Blends.”

Mengiste, Tesfaye D; _botany & plant pathology, _from Rural Development Administration, $12,656, _“Transcriptional Systems in Plant Responses to Pathogens-Grant 208332.”

Mengiste, Tesfaye D; _botany & plant pathology, _from Kansas State University, $221,660, _“Genetic Improvement of Sorghum for Resistance to Fungal Pathogens.”

Meyer, Terrence R; Goldenstein, Christopher S; Gunduz, Ibrahim E; Slipchenko, Mikhail N; Son, Steven F and Bane, Sally P; _mechanical engineering, _aeronautical & astronautical engineering, _from Defense Threat Reduction Agency (CAREER): Impact of Flow-Induced Chain Alignment in Melt-Processed Complementary Semiconducting Polymer Blends.”

Milkoreit, Manjana; _political science, _from Purdue University, $35,000, _“How to Design the 'global Stocktake' – Making or Breaking the International Climate Change Regime.”

Minton, David A; _earth & atmospheric sciences, _from Arizona State University, $88,618, _“Stop Hitting Yourself: Did Most Terrestrial Impactors Originate from Terrestrial Planets? (Amendment 1); Grant 108392.”

Mishra, Dharmendra K; _food science, _from Cockram, Joshua J, $100, _“Multi Sponsored Gift.”

Mohammed, Sulma I; Mittal, Suresh K and Rajwa, Bartlomiej P; _Cancer Research Center, _comparative pathology, _basic medical science, _from PHS-NIH National Cancer Institute, $151,706, _“Understanding Breast Cancer Metastasis to Lymph Node.”

Mohammed, Sulma I; _comparative pathology, _from PHS-NIH National Cancer Institute, $50,363, _“Understanding Breast Cancer Metastasis to Lymph Node.”

Monroe, James S and Deering, Amanda J; _field extension educators, _food science, _from Indiana State Department of Agriculture, $104,500, _“Identification of Food Safety Best Practice for Indiana Cantaloupe Production.”

Moseson, Alexander J; Arola, Heidi and Burniske, Gary R; _engineering administration engineering program, _from Executive Vice President for Research and Partnerships, _chemical engineering, _from International Research & Exchange Board, $150,000, _“Mandela Washington Fellowship.”

Mustillo, Thomas J and Deshmukh, Abhijit V; _political science, _industrial engineering, _from Purdue University, $20,000, _“The Dynamics of Party Competition with Non-Policy Strategies.”

Mutchler, Jane F; _management – Calumet campus, _from Legacy Foundation, Inc., $7,900, _“Gary Coding Bootcamp.”

Nagy, Zoltan; _chemical engineering, _from Boehringer Ingelheim GmbH, $62,500, _“Development of an Integrated Crystalization Study Platform (ICSP).”

Neary, Michael and Tower, Jason E; _animal sciences, _Southern Indiana-Purdue Agricultural Center, _from National Sheep Industry Improvement Center, $16,622, _“Establishment of a Hair Sheep Flock for Research and Education in Indiana and Kentucky.”

Neumeister, Norbert and Hacker, Thomas J; _physics, _computer & information technology, _from Princeton University, $223,401, _“U.S. Compact Muon Solenoid (CMS) Group at Purdue University for Activities Related to the US CMS Software & Computing Subsystem.”

Newton, Jill A; _curriculum and instruction, _from University of Southern Indiana, $3,000, _“Creating Algebra Teaching Communities for Hoosiers (CATCH) – Year 2.”

Niser, John C; _consumer & family sciences – Fort Wayne campus, _from Institut De Tourisme Et Hotellerie, $5,000, _“HSD Consortium.”

Niyoji, Devdutta S; Biehle, Donald J and Scheeringa, Kenneth L; _agronomy, _agriculture – administration, _from Mary S. Rice Farm Estate, $249, _“Maintenance and Improvement of Purdue Agricultural Centers Weather Station ... Network – 2016.”

Norman, Eric M and Niser, John C; _Dean of Students – Fort Wayne campus, _consumer & family sciences – Fort Wayne campus, _from AWS Foundation, $65,000, _“The Bridges to Education and Careers for Student with Intellectual Disabilities Program (a.k.a Bridges Program).”

O’Donnell, Michael J; _field extension educators, _from Indiana State Department of Agriculture, $10,000, _“Small Farms Conference Support 2017.”

Okuniewski, Maria A; _materials engineering, _from Belgian National Research Centre, $60,902, _“Small Farms Conference Support 2017.”

Paniagua Perez, Guillermo; _mechanical engineering, _from Rolls-Royce, Inc., $712,000, _“Small Core Turbine Testing.”

Pastakia, Sonak D; _pharmacy practice, _from University of Warwick, $907, _“Ethnic Specific Risk Stratification in Early Pregnancy for Identifying Mothers at Risk of Gestational Diabetes Mellitus in India and Kenya, Amendment 1.”
Pastakia to Shih

**Pastakia, Sonak D.** pharmacy practice, from Mount Sinai School of Medicine, $21,142, “Bridging Income Generation with Group Integrated Care.”

**Payer, Mathias J** and **Xu, Dongyan.** computer science, from Office of Naval Research, $175,000, “Towards Transformation-Based Legacy Software Fitness: Usage-Driven Binary Debloating and Hardening.”

**Pekny, Joseph F.** chemical engineering, from Pioneer Oil Company, $464,948, “Funding for Director of Unconventional Energy, Nathan Schulthess.”

**Peroulis, Dimitrios.** electrical & computer engineering, from Indiana Microelectronics LLC, $76,000, “X-Band Tunable Notch Filters.” (a Discovery Park award – Birck Nanotechnology Center)

**Perrault, Evan K** and **Walenga, Gail A.** communication, from Purdue University Student Health (PUSH)/Counseling and Psychological Services (CAPS)/Student Wellness, from Saremhi Health & Wellness Foundation, $500, “Health E Fund.”


**Pratt, David M.** education, from Indiana Campus Compact, $2,250, “Developing Online Resources for Early Childhood School Readiness Assessments.”

**Prokopy, Linda S.** forestry & natural resources, from The Nature Conservancy, $86,418, “Saginaw Bay Evaluation Year 2.”

**Prokopy, Linda S.** forestry & natural resources, from U.S. Geological Survey, $11,891, “National Institutes for Water Resources FY 2017 104(B) Administration.”

**Ratliff, Timothy L.** comparative pathobiology, from Purdue University, $5,000, “PCCR Director Special Projects.”

**Ratliff, Timothy L.** comparative pathobiology, from Purdue University, $15,000, “PCCR Director Special Projects.”

**Rebello, Nobel S.** physics, from Kansas State University, $316,846, “Research on the Use of Visual Cueing and Feedback to Facilitate Problem Solving.”

**Rokhininson, Leonid P.** physics, from National Science Foundation, $10,469, “Interplay Between Strongly Correlated Quantum Hall States and Superconductivity.”

**Rompf, Tiark.** computer science, from Google Inc, $84,787, “Google 2017 Faculty Research Award.”

**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.”

**Sadeque, Sabiha.** computer & information technology, from Purdue University, $29,130, “FY16,17 Purdue Research Foundation (PRF) Research Grant.”

**Salgado, Rodrigo; Prezzi, Monica and Perissin, Daniele.** civil engineering, from Indiana Department of Transportation, $15,000, “Verification of Bridge Foundation Design Assumptions and Calculations.”

**Sanson, Jeffrey J.** agricultural economics, from Indiana Council for Economic Education, $57,881, “Smart Indiana: Financial Literacy Project.”

**Savaiano, Dennis A.** foods & nutrition, from The A2 Milk Company, $60,000, “Savaiano Voluntary Support.”

**Scacco, Joshua M.** communication, from University of Texas at Austin, $21,385, “Engaging News Project Election Engagement.”

**Scalo, Carlo.** mechanical engineering, from Kord Technologies Inc, $217,000, “Vortex Preserving and Consistent Large Eddy Simulations with for Naval Applications.”

**Schinckel, Allan P.** animal sciences, from The Hanner Company of Wi, LLC, $1,500, “Continental Grains Research.”

**Schoenlein, William E** and **Durkes, Abigail C.** biomedical engineering, comparative pathobiology, from Cook Research Incorporated, $180,824, “Pre-Clinical Device Testing Agreement; Studies CI-HMTQ, CI-SPPK, REG-PLAS, CI-SPAI, CI-TJLB, and POC.”

**Schultheiss, Nathan C.** chemical engineering, from Pioneer Oil Company, $94,278, “Funding for EOR Lab Manager, Rituraj Borgohain.”

**Scott, David E.** Indiana State Chemist, from Environmental Protection Agency, $377,267, “FY 2017 EPA Pesticide Cooperative Agreement.”

**Scutari, Gesualdo.** industrial engineering, from BAE Systems Advanced Technologies, Inc, $69,500, “Parallel and Distributed Algorithms for Neural Networks.”

**Scutari, Gesualdo.** industrial engineering, from Office of Naval Research, $115,753, “Distributed Optimization Methods for Nonconvex In-Network Big Data Analytics.”

**Sen, Shreyas.** electrical & computer engineering, from National Science Foundation, $175,000, “CRIL: Software and Hardware Foundations (SHF): IMPLANALYTICS: Smart Implantable with In-Sensor Analytics and Body Coupled Power/Data Transfer.”

**Sharp, Nathan D; Tang, Tian and Goodsell, Johnathan E.** Composites Manufacturing and Simulations Center, aeronautical & astronautical engineering, from Institute for Advanced Composites Manufacturing and Simulations with for Naval Applications, $3,753, “Task 4.2 Thermoplastic Composite Development for Wind Turbine Blades.”

**Sheehan, Amy H.** pharmacy practice, from Johnson & Johnson, Inc, $115,974, “FDA/Purdue/ Janssen Scientific Affairs Drug Advertising and Promotion Pharmaceutical Fellowship.”

**Shie, Wesley R.** continuing studies – Fort Wayne campus, from Office of Small Business and Entrepreneurship, $189,735, “Northwest Indiana Small Business Development Center CY 2017 – Federal.”


**Shih, Tomi.** aeronautical & astronautical engineering, from Ames Laboratory, $80,000, “Computational Analysis of Advanced Cooling Strategies for High-Efficiency and Long-Service Life Turbines, Amendment 23; [Grant 104396].”
Spafford to Weaver

Spafford, Eugene H: computer science, from Eli Lilly and Company, $60,000, "Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support."

Sudhoff, Scott D: electrical & computer engineering, from Florida State University, $201,256, "Purdue 2017-2017 Esrdc Efforts, Amendment 2; Grant 108689."

Szpankowski, Wojciech: computer science, from National Science Foundation, $5,000,000, "Emerging Frontiers of Science of Information."

Taleyarkhan, Rupi P: nuclear engineering, from Oak Ridge Associated Universities, $3,750, "Fellowship Check."

Tao, Weiguo A: biochemistry, from Tymora Analytical Operations, LLC, $115,000, "Developing Novel RPPA for the Detection of Metastatic Prostate Cancer."

Tay, Sien Chieh: psychological science, from University of Pennsylvania, $50,000, "Performance Task Measures of Self-Control and Grit."

Thomovskv, Elizabeth J; Hon, Marcelle; Brooks, Aimee C and Johnson, Paula A: veterinary clinical science, from The Winn Feline Foundation, $11,666, "Cryopreservation of Feline Red Blood Cells Using Glycerol and Hydroxyethyl Starch Solutions."

Thompson, David H: chemistry, from Cornell University, $111,312, "Modulation of Lipid Bisretinoids Clearance with Beta-Cyclodextrins."

Tomar, Vikas and Gunduz, Ibrahim E: aeronautical & astronautical engineering, from Vanderbilt University, $120,000, "Multiscale Experiments and Modeling of the Dynamic Energetic Material Failure Including Stochastic Interfaces, Amendment 3 (Grant 107641)."

Toner, Emily C: field extension educators, from Indiana State Department of Agriculture, $57,900, "Purdue Urban Farm Incubator Network."

Tong, Yunjie: biomedical engineering, from Brain & Behavior Research Foundation, $17,222, "Multimodal Functional Brain Imaging Study of Response to Repetitive Tms (rTMS) Treatment of Major Depression."

Trice, Rodney W and Youngblood, Jeffrey P: materials engineering, from Army Research Office, $84,500, "Forming Transparent Ceramics via Alignment of Alpha- Al2O3 Platelets: a Fundamental Investigation and Forming Study."

Tu, Manghui and Treckles, Anastasia M: computer information technology - Calumet campus, education, from National Security Agency, $27,250, "Gencyber Summer Camp for High School Teachers in Chicago Metropolitan Area."

Tuinstra, Mitchell R; Weil, Clifford F and Dilkes, Brian: agronomy, biochemistry, from Kansas State University, $133,428, "Trait Development Pipeline for Food and Feed Value in Sorghum."

Turner, Maria H; Dougan, Janice M and Brothers, Meagan: field extension educators, from Toyota Motor Manufacturing Inc., $2,000, "Eat, Play, Grow Creative Activities for a Healthy Start."

Umulis, David M: agricultural & biological engineering, from Indiana University, $88,626, "Development and Improvement of Tissue Simulation Environment Compucell3D."

Underwood-Gregg, Diana L; Higashion, Melissa J and Kraft, Roger L: mathematics, computer science & statistics - Calumet campus, from Indiana Department of Education, $80,271, "Supporting Inquiry in Mathematics and Science via Simulations (SimsVSimS)."

Vaccia, Andrea: agricultural & biological engineering, from Rolls-Royce Corporation, $64,700, "Simulation of a Fuel Pump for Aero-Engines Using Hygesim."

Veile, Amanda J: anthropology, from Purdue University, $35,000, "Biology and Socioecology of Birth and Early Childhood Maturational Processes: a Semi-Longitudinal Study of Ycatec Maya Subsistence Farmers."

Vyn, Tony J: agronomy, from Yara Phosyn Ltd, $20,000, "Agricultural Cropping Systems."

Wachs, Juan P and Popescu, Voicu S: industrial engineering, computer science, from Army Medical Research Acquisition Activity, $964,617, "See-What-I-Do: Increasing Mentor and Trainee Sense of Co-Presence in Trauma Surgeries with the STAR Platform - ."

Wagner, Robert G: forestry & natural resources, from U.S. Forest Service, $2,310, "Data Analysis of Nextgeneration Sequencing Results with Acacia Koa."

Wagner, Robert G: forestry & natural resources, from Indiana Arborists Association, Inc, $112,500, "Indiana Arborists Association, Inc."

Weaver, Connie M: foods & nutrition, from Tate & Lyle Ingredients Americas, Inc, $59,672, "Weaver Tate & Lyle."

Weaver, Connie M: foods & nutrition, from The A2 Milk Company, $25,000, "Multi Sponsored Gift."

Weaver, Connie M: Byrn, Stephen R; Campbell, Wayne W; Leidy, Heather H; McCabe, George P; Mesecar, Andrew D; Ratliff, Timothy L; Story, Jon A; Wodicka, George R; Brightman, Andrew O; Freeman, Lynnetta; Gavin, Timothy P; Park, Kinam; Savaiano, Dennis A and Teegarden, Dorothy: foods & nutrition, industrial & physical pharmacy, science - administration, biochemistry, Cancer Research Center, biomedical engineering, veterinary clinical science, health & kinesiology, Bindley Bioscience Center, health and human sciences, from Indiana University Purdue University at Indianapolis, $922,847, "Clinical and Translational Sciences Institute (CTSI) – Yr. 4 Parent Record. (a Discovery Park award – Bindley Bioscience Center)

Weaver, Connie M: foods & nutrition, from Pfizer Inc, $6,000, "Corporate Affiliates Fund."

Weaver, Connie M and Story, Jon A: foods & nutrition, from Indiana University Purdue University at Indianapolis, $94,963, "Clinical and Translational Sciences Institute (CTSI) – Training Grant Year 4. "(a Discovery Park award – Bindley Bioscience Center)
Weibel to Zollner

Weibel, Justin A and Garimella, Suresh V: _mechanical engineering, _from Naval Surface Warfare Center Indian HD Div, _$140,161, _"Evaluation of the Effects of Dynamic and Nonuniform Operation of Radar-Frequency Electronics on High-Power-Density Thermal Management Strategies; Modification 3; Grant 108220."

Weibel, Justin A: _mechanical engineering, _from Toyota Motor Manufacturing Inc., _$149,524, _"A Two-Layer Evaporator Wick Structure for Area-Scalable High-Heat-Flux Hotspot Spreading with Vapor Chambers, Amendment 2; (Grant 209304)."

Weiner, Andrew M: _electrical & computer engineering, _from Optical Society of America, _$1,250, _"The Optical Society – Voluntary Support."

Wendt, Michael K: _medicinal chemistry & molecular pharmacology, _from Metavivor Research and Support Inc, _$40,000, _"Targeting Growth Factor Receptor Discordant Metastases.”

Wetzel, Todd E: _purdue convocations, _from Arts Midwest, _$2,000, _"Manual Cinema.”

Whitacre, Kristi R: _field extension educators, _from Wabash Valley Community Foundation, _$2,100, _"Purdue Extension – Leadership Vigo County.”

Williams, Rod N: _forestry & natural resources, _from Evansville Zoological Society, _$1,000, _"Voluntary Support.”

Williams, Rod N: _forestry & natural resources, _from Indiana Academy of Science, _$2,963, _"Investigating Hellbender Immunity and the Advantages of Environmental Microbe Exposure Prior to Reintroduction.”

Williams, Rod N: _forestry & natural resources, _from Cryptobranchid Interest Group, _$984, _"Investigating Hellbender Immunity and the Advantages of Environmental Microbe Exposure Prior to Reintroduction.”

Williams, Rod N: _forestry & natural resources, _from Indiana Department of Natural Resources, _$59,900, _"A Non-Invasive Environmental DNA Approach to Detect Mudpuppies (Necturus Maculosus).”

Wise, Kiersten A: _botany & plant pathology, _from Southern Illinois University, _$20,000, _"Seedling Diseases: Biology, Management, and Education.”

Wise, Kiersten A: _botany & plant pathology, _from Ohio State University, _$30,000, _"Characterization of Phytophthora Sojae and Phytophthora Saneomeana Populations in the North Central Region and an Assess.”

Woloshuk, Charles P and Mengiste, Tesfaye D: _botany & plant pathology, _from National Corn Growers Association, _$20,000, _"Transgenic Expression of a Major Plant Immunity Gene to Reduce Aflatoxin Contamination.”

Wynkoop, Ryan D: _agriculture – administration, _from Kansas State University, _$9,462, _"2017 Air Force Camp Grant.”

Xu, Dongyan; DeLaurentis, Daniel A; Grama, Ananth Y; Hwang, Inseok; Qu, Ming and Spafford, Eugene H: _computer science, _aeronautical & astronautical engineering, _civil engineering, _from Purdue University, _$300,000, _"Towards Cyber-Physical Vetting of Critical Infrastructures.”

Ye, Peide: _electrical & computer engineering, _from Army Research Office, _$25,000, _"Ballistic Phosphorene Transistor.”

Yu, Denny: _industrial engineering, _from University of Cincinnati – Education and Research Center, _$8,000, _"Ergonomics in Veterinary Care.”

Zavattieri, Pablo D: _civil engineering, _from University of California-Riverside, _$211,545, _"Convergent Evolution to Engineering: Multiscale Structures and Mechanics in Damage Tolerant Functional Bio-Composite and Biomimetic Materials, Amendment 3; Grant 107466.”

Zentner, Michael G: _ITaP Research Computing (RCAC), _from Leidos, _$14,591, _"Establishing a Biomedical Citizen Science Hub for the National Cancer Institute.”

Zhang, Xiangyu and Xu, Dongyan: _computer science, _from SRI International, _$256,993, _"Transparent Computing: Amendment 2, Grant 107835.”


Zollner, Patrick A; Dacunto, Laura E and Carlson, Donald E: _forestry & natural resources, _from Indiana Department National Research Division of Fish & Wildlife, _$59,527, _"Understanding Resource Use by Northern Long Eared Bat in Fragmented Wooded Landscapes of Northern Indiana.”

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