Agrawal, Rakesh; Tuinstra, Mitchell R; Bermel, Peter A; Broduer, Sylvie M; Felisberto Martins Ribeiro, Bruno; Gitau, Margaret W; and Sesmero, Juan P; chemical engineering, agronomy, electrical & computer engineering, computer science, agricultural & biological engineering program, agricultural economics, from National Science Foundation, $1,402,276, “INFWEWS/T2: Solar Solutions for Food, Energy and Water Systems (S2FEWS).”

Ajuwon, Kolapo; animal sciences, from Adisseo, $55,911, “Environmental Effects on Efficacy of Carbohydrase Admixture (Xylanase-Arabinofuranosidase and B-Glucanase) in Growing Pigs Fed Wheat-Based Diet; Amendment 2; Grant 40002530.”

Alexeenko, Alina; aeronautics & astronautics, from Janssen Research and Development, $10,000, “LyoHub Consortium (Janssen).”

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

Alexeenko, Alina; aeronautics & astronautics, from Baxter Medical Products R & D, $10,000, “LyoHub Consortium (Baxter Medical).”

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

Allebach, Jan P; electrical & computer engineering, from Hewlett Packard, $75,000, “Embedding of Data on 3-D Surfaces.”

Allebach, Jan P; electrical & computer engineering, from Mime, Inc, $18,946, “Tools for Analysis of Skin Color from Portrait Photos and Recommendations for Makeup Color and Fashion Accessory Colors.”

Allert, Beate I; language & culture, from International Institute of Education, $18,216, “Foreign Fullbright Pakistan – Muhammad Hassan Qadeer Butt.”

Ardekani, Arezoo Motavalizadeh; mechanical engineering, from Purdue University F N Andrews Fellowship, $31,904, “Abhijit Dandekar, Raj.”

Arola, Heidi; Office of Corporate and Global Partnerships administration, from Andhra University, $267,000, “Activity Agreement with Andhra University.”

Arola, Heidi; Office of Corporate and Global Partnerships administration, from Sri Venkateswar University, $267,000, “Activity Agreement with Sri Venkateswar University.”

Bagchi, Saurabh; electrical & computer engineering, from Sandia National Laboratories, $30,943, “Testing Embedded System Firmware through Fuzzing and Symbolic Execution.”

Bahr, David F; materials engineering, from George Washington Carver Fellowship, $26,527, “Deneke, Naomi.”

Bahr, David F; materials engineering, from Purdue University F N Andrews Fellowship, $31,904, “Marconie, Tess D.”

Basaran, Osman A; chemical engineering, from Acutech Group, Inc, $5,000, “Purdue Process Safety and Assurance Center(P2SAC).”

Beckerman, Janna L; botany & plant pathology, from BASF Corporation, $4,000, “Fungicide Trials for Ornamentals.”

Berger, Edward J; DeBoer, Jennifer J and Rhoads, Jeffrey Frederick; engineering education, mechanical engineering, from National Science Foundation, $2,504,959, “IUSE:EHR:ICT Propagation, Research, and Evaluation of an Educational Innovation in Multiple Settings with a Focus on the Role of Institutional Culture.”

Bergeson, Scott M; biology, from Ball State University, $10,781, “Proposal to Track Indiana Bats on Sparta Training Area.”

Bertino, Elisa; computer science, from Smart Information Flow Technologies, $113,468, “Neutron Phase II.”

Bertino, Elisa; computer science, from Schlumberger Foundation, $29,232, “Schlumberger Foundation Faculty for the Future Program-Shagufta Mehnaz.”

Bhave, Sunil A; electrical & computer engineering, from University of Chicago, $126,394, “Mechanical Control of Spin-States in Silicon Carbide; Amendment 6; Grant 13000403.”

Bhunia, Arun K; food science, from Lynn Interdisciplinary Graduate Fellowship, $30,428, “Gallina, Nicholas L.”

Bilionis, Ilias; chemical engineering, from University of Notre Dame, $111,823, “Physics-Informed Learning for Multiscale Systems (Pilgrims)-Phase I and II; Amendment 1.”

Bilionis, Ilias; mechanical engineering, from Lynn Interdisciplinary Graduate Fellowship, $30,428, “Alberts, Alexander.”

Blankenship, Bonnie T; health & kinesiology, from Indiana Department of Education, $90,500, “PALS Camp.”

Bobet, Antonio; civil engineering, from Purdue University F N Andrews Fellowship, $31,904, “Han, Kyungssoo.”

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships administration, from Showalter Trust, $5,000, “FY 20 – Showalter Scholar.”

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships administration, from Purdue University, $42,814, “FY18-19 Purdue Research Foundation (PRF) Research Grants (60000019).”
Bolin to Csathy

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships administration, from Purdue Research Foundation, $30,657, "19-20 Purdue Research Foundation (PRF) Research Grants (60000025)."

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships administration, from Showalter Trust, $9,366, "FY 17-18 Showalter Awards Young Investigator (41000370)."

Bolin, Jeffrey T; Executive Vice President for Research & Partnerships administration, from Purdue Research Foundation, $153,285, "19-20 Purdue Research Foundation (PRF) Research Grants (60000025)."

Bolskakova, Virginia L J; curriculum & instruction, from U.S. Department of Education, $3,500,000, "Indians Gear Up Program."

Boudouris, Bryan W; chemical engineering, from Sandia National Laboratories, $60,000, "Novel Propagation Barriers."

Braun, James; mechanical engineering, from Ross Graduate Fellowship-Assistantship, $31,904, "Kim, Junyoung."

Braun, James E; mechanical engineering, from Whirlpool Corp, $25,000, "Multi-Sponsor Voluntary Support – James Braun."

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, $162,622, "NRSA Training Core. (a Discovery Park award – Bindley Bioscience Center)


Brown, Nadia E; political science, from National Science Foundation, $210,103, "Collaborative Research: #Metoopolisci: Leveraging a Professional Association to Address Sexual Harassment in Political Science."

Buganza Tepole, Adrian; mechanical engineering, from National Science Foundation, $189,786, "Collaborative Research: An in Vivo in Silico Approach to Delineate the Effect of Age on Pressure Ulcer Susceptibility."

Bullock, Darcy M and Li, Haoxiang Howell; civil engineering, from Indiana Department of Transportation, $373,747, "SPR-4440: an Integrated Critical Information Delivery Platform for Smart Segment Dissemination to Road Users."

Butzke, Christian E; wine grape, from Jesse Kiste, $300, "Wine Grape Program."

Buzzard, Gregery T; mathematics, from Purdue University F N Andrews Fellowship, $30,428, "Stewart, Henry Howard."

Buzzard, Gregery T; mathematics, from Purdue University F N Andrews Fellowship, $20,065, "Weinert, Alexandra E."

Byrn, Stephen Robert and Clase, Kari L; industrial & physical pharmacy, agricultural & biological engineering program, from Merck Company Foundation, $47,564, "Merck Fellows Application for Tanzania – Business Plan Development."

Byrn, Stephen Robert; industrial & physical pharmacy, from National Institute for Pharmaceutical Technology and Education, $50,000, "Formulation of Hydrocodone Bitartrate Opioid Drug Product Expected to Have Similar Rate and Extent of Release as Hysingla Intact Tablet But Designed to Be Inferior Product When Chewed."

Caffee, Marc W; physics & astronomy, from National Aeronautics and Space Administration, $152,000, "Cosmic-Ray-Produced Radionuclides from Returned Samples as Indicators of Dynamic Surface Regolith Processes: Improvements in Ams Analytical Techniques."

Cai, Hua; engineering education, from Purdue University F N Andrews Fellowship, $30,428, "Hardaway, Kendrick C."

Cai, Hubo; civil engineering, from International Institute of Education, $19,340, "Fulbright Scholarship for MS Beyza Kiper."

Cai, Hubo; civil engineering, from Purdue University F N Andrews Fellowship, $31,904, "Yang, Li."

Capano, Michael A; electrical & computer engineering, from Purdue University F N Andrews Fellowship, $21,527, "Fitzgerald, Bradley Jacob."

Capano, Michael A; electrical & computer engineering, from Lynn Interdisciplinary Graduate Fellowship, $30,428, "Avalos Baddouh, Cesar Octavio Manuel."

Capano, Michael A; electrical & computer engineering, from Purdue University F N Andrews Fellowship, $21,527, "Lin, Frank."

Capano, Michael A; electrical & computer engineering, from Purdue University F N Andrews Fellowship, $21,527, "O’Malley, Nathan P."

Cappelleri, David J; mechanical engineering, from George Washington Carver Fellowship, $36,954, "Rojas, Salvador."

Carlson, Erica; physics & astronomy, from Research Corp for Science Advancement, $50,000, "Understanding Surface Probe Images in Strongly Correlated Quantum Matter via Machine Learning."

Carroll, Chad C and Patel, Shivam H; health & kinesiology, from American College of Sports Medicine, $4,966, "Moderate Treadmill Exercise to Improve Tendon Healing in Diabetes."

Chang, Leifu; biological sciences, from Showalter Trust, $75,000, "Molecular Mechanism of the Augmin Complex in Mitotic Spindle Assembly."

Christian, John A; comparative pathobiology, from Western University of Health Sciences, $5,655, "Cytology Resource Center (40001198)."

Claridge, Shelley A and Calve, Sarah; biomedical engineering, from Showalter Trust, $75,000, "Transforming the Cell Membrane to Guide Cell Growth."

Conroy, Renee M; history & philosophy, from Indiana Humanities Council, Inc., $2,000, "Womens Voices – A Celebration of Womens History Month."

Cooks, Robert Graham; chemistry, from National Science Foundation, $467,540, "Accelerated Reactions in Droplets and Thin Films: Surface Effects and Analytical Implications."

Cosier, Richard A; organizational behavior & human resources, from Foundation Center-Cleveland, $4,638, "2019 Increase: Kranzler School of Managements Graduate Program to Provide Scholarships to First-Year Students Based on Academic Merit (41000236)."

Csathy, Gabor A; physics & astronomy, from National Science Foundation, $406,558, "Complex Electron Solids Forming in the Two-Dimensional Electron Gas."


Cui to Gowher

Cui, Meng; electrical & computer engineering, from PHS-NIH National Institute Neurological Disorders and Stroke, $149,613, “High-Throughput 3-D Random Access Three-Photon Structural and Functional Imaging.”

Davis, Frederick R; history, from Purdue University F N Andrews Fellowship, $26,027, “Boyer, Yvonne Alexine.”

Davis, John M; aviation & transportation technology from Woodward FST, $10,000, “Woodward Test Phase 2.”

DeBoer, Jennifer J and Madamanchi, Asakiran; engineering education, applied research, from Backyard Brains, $161,000, “PBL for Neurorobots.”

DeLaurentis, Daniel A; Davendralingam, Navindran and Raz, Ali Khalid; aeronautics & astronautics, from Washington Headquarters Services, $120,000, “A System of Systems Approach to Enterprise Analytics Design: Acquisition Support in the Age of Machine Learning and Artificial Intelligence.”

Devabhaktuni, Vijaya Kumar and Elkin, Colin P; electrical & computer engineering, from Arcelormittal USA, $10,000, “Early Concept Exploratory Summer Research: Improvement of Arcelor Mittal Mill Operation through Incorporation of Data Fusion and Machine Learning.”

DeWoody, James Andrew; forestry & natural resources, from Texas A&M Agrilife Research, $34,946, “Pupfish Population Genomics.”

Dou, Letian and Boudouris, Bryan W; chemical engineering, from National Science Foundation, $116,258, “EAGER: Tuning Performance in Perovskite Thermoelectric Devices with Organic Radical Doptants.”

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

Ebert, David S; Hands, Nicole M; Rasmus, Joel A and Rogers, Marcus K; electrical & computer engineering, computer information technology, from CRDF Global, $154,543, “Ukraine – Purdue Center for Education and Research in Information Assurance and Security (CERIAS) Cybersecurity StudyTour and Curriculum Development.”

(a Discovery Park award – Center for Education and Research in Information Assurance and Security)

Eddy, Michael M; digital education, from Purdue University F N Andrews Fellowship, $30,428, “Okhai, Disha C.”

Elliott, Daniel S; electrical & computer engineering, from National Science Foundation, $303,183, “Precision Measurement of Parity Non-Conserving, Weak-Force Induced Transitions in Atomic Cesium.”

Farkas, Brian E; food science, from Purdue University F N Andrews Fellowship, $30,428, “Okhai, Disha C.”

Farkas, Brian E; food science, from Land Locked Hops Inc, $50, “Multi Sponsored Gift Fermentation.”

Felisberto Martins Ribeiro, Bruno; computer science, from Raytheon, $324, “Discovering Network Processes in Time-Evolving Networks.”

Finley, John P; physics & astronomy, from Ross Graduate Fellowship-Assistantship, $20,065, “Khalid, Bilal.”

Finley, John P; physics & astronomy, from Purdue University F N Andrews Fellowship, $20,065, “Hunter, John Martin.”

Finley, John P; physics & astronomy, from Purdue University F N Andrews Fellowship, $20,249, “Li, Kangle.”

Finley, John P; physics & astronomy, from Purdue Doctoral Program, $20,065, “Cadiente, Jeremy Scott.”

Finley, John P; physics & astronomy, from Ross Graduate Fellowship-Assistantship, $20,065, “Robertson, Charles William.”

Finley, John P; physics & astronomy, from Ross Graduate Fellowship-Assistantship, $20,064, “Shen, Kunhong.”

Forman, Michele R; nutrition science, from Lynn Interdisciplinary Graduate Fellowship, $30,428, “Schmitz, Kendal Mayer.”

Forman, Michele R; nutrition science, from Lynn Interdisciplinary Graduate Fellowship, $30,428, “Clapp, Anna R.”

Forman, Michele R; nutrition science, from Lynn Interdisciplinary Graduate Fellowship, $30,428, “Schmitz, Kendal Mayer.”

Garcia Bravo, Jose M; French, Richard Mark and Newell, Brittany A; engineering technology, from Purdue Research Foundation, $409,259, “Lateral Micro-Drilling Autonomous Robotic System.”

Garcia Bravo, Jose M; French, Richard Mark and Newell, Brittany A; engineering technology, from Pioneer Oil Company, $144,642, “Lateral Micro-Drilling Development Corporation.”


Giannios, Dimitrios and Zhang, Haocheng; physics & astronomy, from National Science Foundation, $174,617, “Collaborative Research: WoU-MMA: Multi-Scale and Multi-Messenger Modeling of Jets in Active Galactic Nuclei.”

Ginzel, Matthew D; forestry & natural resources, from U.S. Forest Service, $50,000, “Scolytine Beetles Colonizing TCD Symptomatic Juglaus Nigra.”

Goldberg, David; mathematics, from National Science Foundation, $50,000, “2019 Field of Dreams Conference.”

Goldenstein, Christopher S; mechanical engineering, from National Science Foundation, $91,492, “Characterization of Reactor-Assisted Burner Flames Using Ultrafast Infrared Spectroscopy.”

Gomez Diaz, Hector; mechanical engineering, from Purdue University F N Andrews Fellowship, $31,904, “Nandy, Aniruddha.”

Gowher, Humaira; biochemistry, from PHS-NIH National Institute of General Medical Science, $320,631, “Regulation of Dnmt3 Activity at Enhancers of Cell Identity Genes During Differentiation.”
Grant to Jiao

Grant, Richard H; agronomy, from Wood Environment & Infrastructure Solutions Inc, $16,568, “Dry Deposition Monitoring at Vincennes Indiana; Amendment 3.”

Greeley, Jeffrey P; chemical engineering, from 3M General Offices, $30,151, “Ultrathin Film Catalysts for the Oxygen Reduction Reaction.”

Grigorescu, Elena and Blocki, Jeremiah M; computer science, from National Science Foundation, $499,202, “CIF: Small: Ultra-Efficient Codes for Communication and Verifiable Storage.”

Grigorescu, Elena; computer science, from National Science Foundation, $268,072, “AF: Small: New Efficient Algorithms for Complex Data.”

Habib, Ayman F; civil engineering, from International Institute of Education, $24,144, “Fulbright Scholarship for Mr. Wildan Firdaus.”

Handwerker, Carol A; materials engineering, from Ames Laboratory, $500,000, “Critical Material Institute Year 6 and 7; Modification 2; Grant 14000382.”

Harbin, Sherry L; Cox, Abigail C and Plantenga, Jeannie M; basic medicine science, comparative pathology, veterinary clinical sciences, from Geniphs LLC, $53,336, “Biologic Filler for Regenerating Tissue Following Breast Conserving Surgery.”

Hardiman, Brady S; forestry & natural resources, from National Science Foundation, $240,237, “Collaborative Research: MSA: Incorporating Canopy Structural Complexity to Improve Model Forecasts of Functional Effects of Forest Disturbance.”

Hart, Patricia; language & culture, from Purdue Doctoral Program, $36,448, “Maldonado, Alan Alberto.”


Hertel, Thomas W; agricultural economics, from Stanford University, $204,862, “A Multi-Model, Multi-Scale Research Program in Stressors, Responses, and Coupled Dynamics at the Energy-Water-Land Nexus and for Concentrated, Interde; Amendment 3; Grant 14000281.”

Hirleman, E Daniel; Mattson, Marifran; Perrault, Evan K and Rogers, Marcus K; Center for Education & Research in Information Assurance and Security (CERIAS), communications, computer information technology, from Rolls-Royce Corporation, $1,225,142, “Cyber-Readiness Partnership.”

Hoffmann, Stephen R; chemistry, from Ross Graduate Fellowship-Assistanship, $30,483, “Muhoberac, Matthew Thomas.”

Hoffmann, Stephen R; chemistry, from Ross Graduate Fellowship-Assistanship, $30,483, “Kempen, Allison Lea.”

Hook, Tomas O; Carlton, Joshua S and Quagrainie, Kwamena K; forestry & natural resources, Indiana-Illinois Sea Grant, agricultural economics, from National Oceanographic & Atmospheric Administration, $70,000, “Supplement: A NCRAC-Sea Grant Partnership for Regional Aquaculture Extension Focused on Marketing and Consumer Demand.”


Hountz, Randall A; industrial engineering, from IndianaState Department of Health, $80,000, “Systems Change Partnerships – Quality Improvement Services.” (a Discovery Park award – Regen-strief Center for Healthcare Engineering)

Howell, Kathleen; aeronautics & astronautics, from National Aeronautics and Space Administration, $40,000, “A Numerical Method to Generate Reference Trajectories for Optimization Methods to Support Low-Thrust Mission Design – Robert Pritchett.”

Hrycyna, Christine A; chemistry, from National Science Foundation, $238,000, “Collaborative Research: Mechanism of Ste24, a Novel Integral Membrane Zinc Metalloprotease that Promotes Catalysis within an Intramembrane Chamber.”

Hu, Jingwei; mathematics, from National Science Foundation, $87,106, “Faculty Early Career Development (CAREER): Predictive Simulations of Complex Kinetic Systems.”

Hu, Y Charlie and Bertino, Elisa; electrical & computer engineering, computer science, from National Science Foundation, $29,556, “Icn-Wen: Collaborative Research: Splice: Secure Predictive Low-Latency Information Centric Edge for Next Generation Wireless Networks.”

Huang, Rong; medicinal chemistry & molecular pharmacy, from PHS-NIH National Institute of General Medical Science, $304,211, “Protein N-Terminal Methylation Mechanisms and Inhibition.”


Iyer-Pascuzzi, Anjali; botany & plant pathology, from National Science Foundation, $85,801, “Dynamic Control of Columella Root Cap Cell Loosening and Release in Arabidopsis.”

Jacob, Zubin; electrical & computer engineering, from Department of the Army, $100,793, “General Model of Single Photon Detection.”

Jafvert, Chad T; civil engineering, from Amideast – Fulbright, $13,565, “Omar Tantawi Fulbright Scholarship.”

Jahanshahi, Mohammad Reza; civil engineering, from Bentley Systems Inc, $25,000, “M. Jahanshahi Voluntary Support.”

Johnson to Lyutikov

Johnson, William G; botany & plant path, from Monsanto Agriculture Company, $6,000, “Service Order Number 64.”

Johnson, William G; botany & plant path, from Monsanto Agriculture Company, $9,600, “Service Order Number 62.”

Johnson, William G; botany & plant path, from Monsanto Agriculture Company, $4,500, “Service Order Number 63.”

Johnson, William G; botany & plant path, from Monsanto Agriculture Company, $7,000, “Service Order Number 66.”

Johnson, William G; botany & plant path, from Monsanto Agriculture Company, $7,000, “Service Order Number 65.”

Johnson, William G; botany & plant path, from Monsanto Agriculture Company, $2,500, “Service Order Number 67.”

Jones-Hall, Yava and Cox, Abigail C; comparative pathobiology, from New River Labs, $391, “Histology-Guided Mass Spectrometry of Melanocytic and Mast Cell Tumors.”

Kazemian, Abdolmajid and Chopra, Gaurav; biochemistry, chemistry, from Showalter Trust, $75,000, “Immune Checkpoint Therapy for Epstein-Barr Virus (EBV) Associated Tumors.”

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.”

Key, Nicole L; mechanical engineering, from Office of Naval Research, $761,545, “Research on Casing Treatments for Performance Enhancement of High-Speed Fans.”

Key, Nicole L; mechanical engineering, from Duke University, $5,934, “Enhanced Physical Understanding of Forced Response, Inlet Distortion, and Blade Row Interactions in the Purdue 3-Stage Compressor.”

Kokini, Jozef L; food science, from Laspau, $4,997, “LASPAU Scholarship for Cindy Mayorga Perez.”

Konieczny, Stephen F; biological sciences, from Purdue University F N Andrews Fellowship, $30,428, “Lee, Jennifer J.”

Labi, Samuel; DeLaurentis, Daniel A; Gkritza, Konstantina; Fricker, Jon D; Mousas, Christos; Pitts, Brandon J and Souders, Dustin J; civil engineering, aeronautics & aeronautics, agricultural & biological engineering program, computer graphics technology, industrial engineering, from University of Michigan, $819,270, “Purdue UTC/CCAT.” (a Discovery Park award – Discovery Park Administration)

Lacount, Douglas J; medicinal chemistry & molecular pharmacy, from Washington University, $271,250, “Structural and Functional Characterization of the Ebola Virus Replication Complex.”

Lang, Rafael F and Milisavljevic, Danny; physics & astronomy, from National Science Foundation, $518,074, “WoU-MMA: Collaborative Research: A Next-Generation Supernova Early Warning System for Multimessenger Astronomy.”

Lang, Rafael F; physics & astronomy, from National Science Foundation, $191,900, “Collaborative Research: Continuation of the Dark Matter Search with XENON1T and its Upgrade XENOStudy at LNGS.”


Lee, Chi Hwan; mechanical engineering, from UES Inc., $50,000, “Defect-Free Integration of Plasmonic Thin Film.”

Lee, Hyowon; biomedical engineering, from Samsung Electronics Co., Ltd, $120,000, “Implantable Neuromonitoring Interface for Personalized Medicine.”

Leonard, Laurence B; speech, language & hearing sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, $525,328, “Retrieval-Based Word Learning in Specific Language Impairment.”


Lewis, Melissa J and Mehra, Jaya M; veterinary clinical sciences, from America College of Veterinary Internal Medicine, Foundation, $9,270, “The Effect of Omeprazole on the Development of Gastrointestinal Signs and Bleeding in Dogs Treated Surgically for Acute Thoracolumbar Intervertebral Disc Herniation.”

Li, Tongcang; physics & astronomy, from Gordon and Betty Moore Foundation, $25,000, “Multi Sponsor Voluntary Support.”

Liceaga, Andrea M; food science, from Impossible Foods Inc., $2,500, “Multi Sponsored Gift- Sensory.”

Liceaga, Andrea M; food science, from M&M Mars, $4,500, “Multi Sponsored Gift- Sensory.”

Lindemann, Stephen R; food science, from Showalter Trust, $74,855, “In Vitro and in Silico Models to Identify the Role of Oligosaccharide Metabolism in Enteropathogenesis.”

Linnes, Jacqueline C; biomedical engineering, from George Washington Carver Fellowship, $33,550, “Colbert, Ashlee J.”

Lu, Jinhai; political science, economics, world languages & cultures, from University of Notre Dame, $65,000, “Chinese Soul in Global Catholicism: Chinese Catholic Intellectuals Before Vatican II (1912-1965).”

Lu, Na and Lynall, Matthew D; civil engineering, management, from National Science Foundation, $250,000, “Prototyping Thermoelectric Device for Powering Sensors in Pipeline Monitoring.”

Lu, Yung-Hsiang; Cappelleri, David J and Yin, Ming; electrical & computer engineering, mechanical engineering, computer science, from National Science Foundation, $54,997, “CCRI: Planning: Collaborative Research: Low-Power Computer Vision.”

Luo, Zhao-Qing and Das, Chittaranjan; biological sciences, chemistry, from PHS-NIH National Institute of Allergy and Infectious Diseases, $392,206, “Effector-Mediated Ubiquitin Manipulation in Legionella Pneumophila Pathogenesis.”

Lyutikov, Maxim Y; physics & astronomy, from National Science Foundation, $270,628, “Collaborative Research: WoU-MMA: Electrodynamics of Magnetostric Interaction in Merging Neutron Stars Binaries.”
Ma to Oliver

Ma, Jianxin: agronomy, from Indiana Soybean Alliance, $90,000, “Utilization of Novel Sources of Resistance to Soybean Soil-Borne Diseases.”

Mansson, Jan-Anders E: chemical engineering, from Hexagon, $90,918, “Smart Composites (Smart-C).”


Mattes, Richard D: public health, from Gelesis, Inc, $349,440, “Randomized, Controlled, 2 X 2, Cross-Over Metabolic Trial.”

Mayes, Amanda S: Purdue Memorial Union, Student Activities and Organizations, Purdue Convocations & Hall of Music Productions, from New England Foundation for the Arts, $5,000, “NEFA Funding for Sin Salida.”


McMillan, Sara K: agricultural & biological engineering program, from National Science Foundation, $51,523, “INFEWS N/P/H20: Nitrogen and Phosphorus Dynamics in Restored Floodplains of Intensively Managed Watersheds.”


Mei, Jianguo: chemistry, from National Science Foundation, $220,887, “Faculty Early Career Development (CAREER): Impact of Flow-Induced Chain Alignment in Melt-Processed Complementary Semiconducting Polymer Blends.”


Mengiste, Tesfaye D: botany & plant path, from National Science Foundation, $780,000, “Plant Immune Signaling Network: Connecting Pathogen Perception, Chromatin Modification and Activation of Immune Responses.”

Mesecar, Andrew D: biochemistry, from Ross Graduate Fellowship-Assistantship, $31,904, “Shukla, Mithila S.”

Mesecar, Andrew D: biochemistry, from Purdue University F N Andrews Fellowship, $31,904, “Lee, Ji Hee.”

Meyer, Terrence R; Schneider, Steven P and Slipchenko, Mikhail N: mechanical engineering, aeronautics & astronautics, from Sandia National Laboratories, $90,000, “Spatially and Temporally Resolved Velocimetry for Hypersonic Flows.”

Mickelbart, Michael V: horticulture & landscape architecture, from Ross Graduate Fellowship-Assistantship, $31,959, “Lopez, Santiago Franco.”

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 Nora Lee Company, LLC, $300, “Multi Sponsored Gift.”

Mishra, Dharmendra K: food science, from Shahn & Kari A Riley, $50, “Multi Sponsored Gift.”

Mishra, Dharmendra K: food science, from Mashed Hot Sauce, LLC, $75, “Multi Sponsored Gift.”

Mishra, Dharmendra K: food science, from Bryan & Randie Essex, $50, “Multi Sponsored Gift.”

Mishra, Dharmendra K: food science, from Nathan M Partin, $225, “Multi Sponsored Gift.”

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

Mishra, Dharmendra K: food science, from Ameriqual Group LLC, $12,000, “Multi Sponsored Gift.”

Mishra, Dharmendra K: food science, from Nathan M Partin, $225, “Multi Sponsored Gift.”

Mohammadi, Mohsen and Scofield, Steven R: agronomy, from Agricultural Research Service, $34,141, “Acquisition of Goods and Services-Steven Scofield.”


Morissette, Dallas T: electrical & computer engineering, from Sonrisa Research Inc, $975,963, “A New Class of SiC Power MOSFETs.”

Morris, Aaron B: mechanical engineering, from American Chemical Society, $110,000, “Elucidating the Fluid Dynamics of Non-Spherical Particles.”


Nemali, Krishna: horticulture & landscape architecture, from Foreign Agricultural Service, $49,830, “Development of an Affordable and Efficient Hydroponic or Aeroponic Crop Production Technology for Small-Scale Producers in Egypt and Their Adoption through Extension.”

Ngambeki, Busiime Ida: computer information technology, from National Science Foundation, $238,127, “SaTc: EDU: Collaborative: an Assessment Driven Approach to Self-Directed Learning in Secure Programming (SecTutor).”

Noinaj, Nicholas: biological sciences, from PHS-NIH National Institute of General Medical Science, $301,027, “Unraveling the Mechanism by Which the Bam Complex Mediates Omp Biogenesis.”


Oliver, Haley F: food science, from Diversey, Inc, $62,298, “Retail Food Safety Prediction Tool.”
Ostanek to Robicheaux

Ostanek, Kristine M and Mishra, Aura Ankita; human development & family studies, from PHS-NIH National Institute on Drug Abuse, $37,345, “The Role of Substance Use Trajectory on the Association Between Childhood Maltreatment and Intimate Partner Violence: A Geneenvironment Study.”

Owada, Takashi; statistics, from National Science Foundation, $57,346, “Random Algebraic Topology.”

Parkinson, Elizabeth I and Seleem, Mohamed; chemistry, comparative pathobiology, from Showalter Trust, $75,000, “Discovery of Bioactive Natural Products by Inducing Biosynthetic Gene Clusters.”

Patton, Aaron J; horticulture & landscape architecture, from Nufarm Americas Inc., $8,000, “Patton Multi Sponsored #2 (Orig 301226).”

Patton, Aaron J; horticulture & landscape architecture, from Midwest Regional Turf Foundation, $9,000, “MRTF Extension & Research.”

Perez-Torres, Carlos J; health sciences, from University of Nebraska-Lincoln, $49,699, “Synthesis of Metal-Free Magnetic Resonance Imaging Contrast Agents.”

Peroulis, Dimitrios; Alexeenko, Alina; Macheret, Sergey O and Semnani, Abbas; electrical & computer engineering, aeronautics & astronautics, from Office of Naval Research, $347,926, “Wideband and High-Power Reconfigurable Plasma Matching Network for Compact and Efficient Phased Array Emitters.”

Peterson, Jonathon R; mathematics, from Simons Foundation, $42,000, “Self-Interacting Random Walks.”

Pieniaar, Elsje; biomedical engineering, from Purdue University F N Andrews Fellowship, $31,904, “Liu, Xiao.”

Pires Dos Santos, Andrea; comparative pathobiology, from Purdue University F N Andrews Fellowship, $31,904, “Varvil, Mara S.”

Pothen, Alex; computer science, from The Krell Institute, $5,000, “Caitlin Whitter Fellowship.”


Pourpoint, Timothee L; aeronautics & astronautics, from National Aeronautics and Space Administration, $71,367, “Bi-Monopropellants: A Path to Deep Throttling Rocket Engines.”

Pushkar, Yulia N; physics & astronomy, from National Science Foundation, $450,000, “Advanced Times-Resolved Studies of the O-O Bond Formation Mechanisms: Interplay of the Metal and Ligand Redox Reactivity.”

Qu, Ming; civil engineering, from Oak Ridge National Laboratory, $39,249, “Development and Modeling of an Innovative Solid Desiccant Dehumidification System.”

Rainey, Katherine Martin; agronomy, from Colfuturo, $9,378, “ Fulbright Laspau Fellow Miguel Angel Lopez Murcia.”

Ramanathan, Shriram and Roy, Kaushik; materials engineering, electrical & computer engineering, from Department of the Army, $474,000, “W911NF-17-S-0002: Plasticity Mechanisms and Neuro-morphic Learning with Correlated Semiconductors.”

Ramirez, Julio Alfonso; civil engineering, from National Science Foundation, $900,000, “Nheri Network Coordination Office.”

Raymond, Leigh S; political science, from University of Ottawa (Canada), $6,610, “Greening Growth Partnership.”

Redick, Thomas S; psychological sciences, from National Science Foundation, $5,000, “Research Experience for Undergraduates (REU) Supplement: Collaborative Research: Testing Individualized Cognitive Training Interventions Based on a Multifaceted Theory of Working Memory.”

Reed, Willie M; veterinary medicine administration, from Indiana Dog Tax, $6,295, “Indiana State Dog Tax (20000146).”

Remis, Melissa J; anthropology, from Ross Graduate Fellowship-Assistantship, $20,065, “Guilbault, Kari Anne.”

Remis, Melissa J; anthropology, from Purdue University F N Andrews Fellowship, $35,944, “Narvaez Rivera, Giselle Marie.”

Remis, Melissa J; anthropology, from Purdue University F N Andrews Fellowship, $20,263, “Narvaez Rivera, Giselle Marie.”

Ribeiro, Fabio H; chemical engineering, from the Heritage Group, $60,000, “CISTAR Industrial Consortium (40001938).”

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

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

Riley, Donna M; engineering education, from Ross Graduate Fellowship-Assistantship, $31,904, “Dustker, Srinivas Mohan.”

Riley, Donna M; engineering education, from Ross Graduate Fellowship-Assistantship, $31,904, “Curry, Fantasi Nicole.”

Riley, Donna M; engineering education, from Purdue Doctoral Program, $21,527, “Lin, Athena.”

Riley, Donna M; engineering education, from Purdue Doctoral Program, $21,527, “Matters, Memoria Elizabeth.”

Riley, Donna M; engineering education, from General Washington Carver Fellowship, $26,527, “Brown, Harriet Paige Lewter.”

Riley, Donna M; engineering education, from Ross Graduate Fellowship-Assistantship, $31,904, “Li, Tianian.”

Riley, Donna M; engineering education, from Purdue Doctoral Program, $31,904, “Lin, Athena.”

Riley, Donna M; engineering education, from Purdue University F N Andrews Fellowship, $31,904, “Haney, Casey L.”

Riley, Donna M; engineering education, from Purdue Doctoral Program, $31,904, “Johnson, Beata N.”

Rispoli, Joseph V and Lelievre, Sophie A; biomedical engineering, basic medicine science, from Showalter Trust, $75,000, “High B-Value Diffusion Magnetic Resonance Imaging and Spectroscopy to Probe Tumor Morphometry in Different Breast Cancer Subtypes.”

Robicheaux, Francis J; physics & astronomy, from National Science Foundation, $81,667, “Many Facets of Laser-Atom and Dipole-Dipole Interactions.”
**Dimensions of Discovery**

**Purdue University Sponsored Program Awards — July 2019**

### Rocheford to Staiger

**Rocheford, Torbert R:** agronomy, from HarvestPlus, $60,000, "Genetic Research to Enhance Breeding for Higher Levels of Pro-Vitamin a and Zinc in Maize Grain."


**Rollock, David:** psychological sciences, from Purdue Doctoral Program, $16,869, "Halligan, Taylor Anne."

**Rollock, David:** psychological sciences, from Purdue University F N Andrews Fellowship, $19,701, "Li, Sharon."

**Ruan, Xiulin:** mechanical engineering, from Ross Graduate Fellowship-Assistantship, $31,904, "Han, Zherui."

**Ruan, Xiulin:** mechanical engineering, from George Washington Carver Fellowship, $36,954, "Delgado, Luis R."

**Sadegh, Farshid:** mechanical engineering, from Ross Graduate Fellowship-Assistantship, $31,904, "Aamer, Saeed."

**Sahley, Christie L:** biological sciences, from Purdue University F N Andrews Fellowship, $30,428, "Ciubotariu, Ilinca Ioana."

**Samarapungavan, Ala:** aeronautics & astronautics, from Argonne National Laboratory, $20,435, "Incorporating Artificial Intelligence to Bypass the Need for Reconstructions of High Energy X-Ray Diffraction Microscope Datasets."

**Sareswat, Dharmendra:** agricultural & biological engineering program, from Lynn Interdisciplinary Graduate Fellowship, $30,428, "Jamshidi, Jamshed, Sajad."

**Schoolen, William E:** biomedical engineering, from Cook Research Incorporated, $42,482, "Pre-Clinical Evaluation Testing Agreement Studies: CMH-VTMD, CE-HEF2, POC AND Sentinels."

**Schoolen, William E:** biomedical engineering, from Cook Research Incorporated, $114,914, "Pre-Clinical Evaluation Testing Agreement Studies: CMH-SZPK, CMH-TST2, CMH-TPOC, CMH-REGT, CMH-ELP, CMH-VTMD, AND POC."

**Scott-Menonrieff, Joanna C R:** veterinary clinical sciences, from Fitness Studio Avi Zipori, $22,508, "Multi Sponsor – Voluntary Support."

**Sen, Shreyas:** electrical & computer engineering, from National Science Foundation, $150,000, "EAGER: Collaborative Research: Machine-Learning Based Side-Channel Attack and Hardware Countermeasures."

**Shakouri, Ali:** electrical & computer engineering, from Monsanto Company, $35,000, "Consortium on Printing and Scalable Manufacturing of Aware and Responsive Thin Films (SMART)." (a Discovery Park award – Birck Nanotechnology Center)

**Shalaev, Vladimir M:** electrical & computer engineering, from University of Michigan, $42,483, "Near-Field Radiative Heat Transfer and Energy Conversion in Nanogaps of Nano- and Meta-Structured Materials." (a Discovery Park award – Birck Nanotechnology Center)

**Sheehan, Amy Heck:** pharmaceutical practice, from Eli Lilly and Company, $138,642, "FDA/Purdue/Eli Lilly and Company Medication Safety Pharmaceutical Fellowship."

**Sivasankar, Preeti Mahalakshmi:** speech, language & hearing sciences, from Purdue University F N Andrews Fellowship, $19,701, "Arkenberg, Rachel Elizabeth Hahn."

**Sjogren, Jenny B:** medicinal chemistry & molecular pharmacy, from PHS-NIH National Institute on Aging, $238,574, "Assay Development and Screening for Small Molecule Rgs10 Regulators to Target Neuroinflammation."

**Slabaugh, Carson D:** aeronautics & astronautics, from Air Products and Chemicals Inc., $55,000, "High-Pressure Testing of Oxygen-Enhanced Combustion Devices for Gas Turbines."

**Slabaugh, Carson D:** aeronautics & astronautics, from National Aeronautics and Space Administration, $95,000, "Propulsion Design, Build, Test: Hydrocarbon Propellant Delivery System."

**Slabaugh, Carson D:** aeronautics & astronautics, from Purdue University F N Andrews Fellowship, $31,904, "Pleaehn, Ethan William."

**Slipchenko, Lyudmila V:** chemistry, from National Science Foundation, $300,000, "Rydberg States in Molecular Aggregates as a Route to New Optoelectronic Materials."

**Slipchenko, Mikhail N** and **Meyer, Terrence R:** mechanical engineering, from Spectral Energies, LLC, $24,827, "High-Speed, Slip Stream-Assistantship, $31,904, "Han, Zherui."

**Solomon, Kevin V:** agricultural & biological engineering program, from Showalter Trust, $75,000, "Sequence Specific Contributions to NgAgo Stability and Function for Gene-Editing Applications."

**Spafford, Eugene H:** computer science, from International Institute of Education, $22,461, "Fulbright Scholarships for Nesir Noori." (a Discovery Park award – Center for Education and Research in Information Assurance and Security [CERIAS])

**Spafford, Eugene H:** computer science, from International Institute of Education, $22,461, "Fulbright Scholarships for Nesir Noori." (a Discovery Park award – Center for Education and Research in Information Assurance and Security [CERIAS])

**Stacy, Trevor R:** botany & plant pathology, from BASF Corporation, $4,500, "BAS673F/ Brown Patch/ Efficacy."

**Stahelin, Robert V:** medicinal chemistry & molecular pharmacy, from PHS-NIH National Institute of Allergy and Infectious Diseases, $226,408, "A New Targeting Approach to Inhibit Budding of the Ebola Virus."

**Staiger, Christopher J:** botany & plant pathology, from U.S. Department of Energy, $150,000, "Regulation of Cell Wall Assembly: Myosin and Exocyst Involvement in Cellulose Synthase Delivery to the Plasma Membrane."
Stevenson to Varala


Strimel, Greg J.: technology leadership & organization, from Region 4 Workforce Development Board, $152,458, "Advancing the Next Generation for Manufacturing Competitiveness: Establishing the Regional Talent Pipeline Ecosystem."

Su, Jianxi; Beckley, Jeffrey A; Ward, Mark Daniel and Zhang, Lingsong: statistics, mathematics, from Society of Actuaries, $40,000, "Inspiring Actuarial Education through Learning Communities and Research Experiences."

Subbarayan-Shastri, Ganesh: mechanical engineering, from Texas Instruments, Inc., $65,000, “Texas Instruments, Inc.”

Sundaram, Neera J: mechanical engineering, from Ross Graduate Fellowship-Assistantship, $31,904, "Khan, Hamzah."

Sutherland, John W: environmental & ecological engineering, from Fort Wayne Metals, $15,000, “Indians Next Generation Manufacturing Competitiveness Center Focus Area Consortium.”

Sutherland, John W: environmental & ecological engineering, from Ross Graduate Fellowship-Assistantship, $31,904, “Maani, Thomas.”


Telenko, Darcy E P: botany & plant pathology, from BASF Corporation, $9,000, "Extension Voluntary Support."

Thompson, Michelle S: earth, atmospheric & planetary sciences, from National Aeronautics and Space Administration, $107,000, “Combining Novel Experimental Techniques with Returned Sample Analyses to Better Understand the Space Weathering of Planetary Surfaces.”

Thompson, Michelle S: earth, atmospheric & planetary sciences, from Purdue University F N Andrews Fellowship, $29,971, “Laczniak, Dara L.”

Thompson, Michelle S: earth, atmospheric & planetary sciences, from National Aeronautics and Space Administration, $86,473, “An Experimental Investigation of Space Weathering Processes of Regoliths on Primitive Carbonaceous Asteroids.”

Tobias, Justin L: economics, from Purdue University F N Andrews Fellowship, $20,065, “Zhang, Wei.”

Tomar, Vikas: aeronautics & astronautics, from Lynn Interdisciplinary Graduate Fellowship, $30,428, “Rai, Ayush.”


Topp, Elizabeth M: industrial & physical pharmacy, from Monon Bioventures LLC, $82,384, “Soluble, Solution-Stable Phospho-Glucacon for Hypoglycemic Rescue.”

Torres Bravo, Ariana P: horticulture & landscape architecture, from Rainbow Tree Company, $10,000, “Voluntary Support – Multi.”

Trader, Darci J: medicinal chemistry & molecular pharmacy, from Showalter Trust, $75,000, “Targeting Cancer Cells with an Immunoproteasome-Selective Prodrug Strategy.”


Trice, Rodney W: materials engineering, from Purdue University F N Andrews Fellowship, $31,904, “Mann, Thomas R.”


Trice, Rodney W: materials engineering, from Purdue Doctoral Program, $31,904, “Brandt, Olivia N.”

Tung, Wen-Wen: earth, atmospheric & planetary sciences, from Columbia University, $63,997, “Faculty Early Career Development (CAREER): Monsoon and the Upper Troposphere Lower Stratosphere; Amendment 4 for Grant #10001285.”

Turco, Ronald F: agronomy, from Indiana State Poultry Association, $1,250, “St Mary Watershed Voluntary Support (Cost Share for 20000224 / 209968).”

Turco, Ronald F: agronomy, from The Agribusiness Council of Indiana, $1,000, “St Mary Watershed Voluntary Support (Cost Share for 20000224 / 209968).”

Turco, Ronald F: agronomy, from Indiana Soybean Alliance, $15,000, “St Mary Watershed Voluntary Support (Cost Share for 20000224 / 209968).”

Turco, Ronald F: agronomy, from Indiana Pork Producers Association Inc., $3,500, “St Mary Watershed Voluntary Support (Cost Share for 20000224 / 209968).”

Turco, Ronald F: agronomy, from Nature Conservancy, the, $5,000, “St Mary Watershed Voluntary Support (Cost Share for 20000224 / 209968).”

Turco, Ronald F: agronomy, from Indiana Farm Bureau Cooperative Association Inc., $10,000, “St Mary Watershed Voluntary Support (Cost Share for 20000224 / 209968).”

Ukkusuri, Satish V: civil engineering, from Purdue University F N Andrews Fellowship, $31,904, “Xue, Jiawei.”

Useem, Bert: sociology, from Charles Koch Foundation, $5,000, “Restrictive Housing in California Prisons in the Aftermath of Ashker V. Governor of California: A Longitudinal Mixed Methods Study.”

Uyeda, Christopher H: chemistry, from PHS-NIH National Institute of General Medical Science, $370,571, “Transition Metal Catalyzed Reductive Carbene Transfer Reactions.”

Van Rijn, Richard M: medicinal chemistry & molecular pharmacy, from PHS-NIH National Institute on Alcohol Abuse, $221,951, “Opioidergic Alkaloids from Mitragynia Speciosa (Kratom) as Novel Treatment for Alcohol Use Disorder.”

Ventresca to Williams

Ventresca, Mario; industrial engineering, from Purdue University F N Andrews Fellowship, $31,904, “Jung, Dawoon.”

Verma, Mohit S; agricultural & biological engineering program, from Ross Graduate Fellowship-Assistantship, $31,959, “Davidson, Josiah Levi.”

Voyles, Richard M; engineering technology, from Alltech, Inc, $20,000, “Rose-Hub Membership (Members Cost Shared on 107355).”

Wachs, Juan P; Duerstock, Bradley S; Suresh, Shruthi and Zhang, Ting; industrial engineering, Engineering Projects in Community Service (EPICS), from National Science Foundation, $250,000, “PFI-TT: a Portable and Real-Time System for Individuals with Visual Impairments to Explore Digital Images Using Alternate Feedback.”

Wang, Haiyan; materials engineering, from National Science Foundation, $61,559, “From Atomic Scale Strain Probing to Smart 3-D Interface Design.”


Wang, Jing; mathematics, from National Science Foundation, $76,189, “Degenerate Diffusions and Related Heat Kernel Estimates.”


Warsinger, David E M; mechanical engineering, from George Washington Carver Fellowship, $36,954, “Isaac Aragones, Debraliz.”

Warsinger, David E M; mechanical engineering, from Laspaun, $4,000, “Fulbright for Cordoba Renteria.”

Weake, Vikki Marie; biochemistry, from National Science Foundation, $690,000, “Developmental Functions of Insect Dbf4 Link Replication and Transcription.”

Webb, Kevin J and Xuan, Yi; electrical & computer engineering, from National Science Foundation, $415,798, “Multifunctional Optomechanics with Structured Material.”


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

Weibel, Justin A; mechanical engineering, from Purdue University F N Andrews Fellowship, $31,904, “Pai, Saeel Shrivalla.”

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

Weinberg, Lindsay and Parry, Jason R; Purdue Polytechnic Institute administration, Purdue Convocations, from National Science Foundation, $28,290, “Digital Forensics as Open Source Pedagogy.”

Weiner, Andrew M; electrical & computer engineering, from Purdue University F N Andrews Fellowship, $21,527, “Annur Mylisswanny, Karthik Vijay.”

Weiner, Andrew M; Kais, Sabre and Qi, Minghao; electrical & computer engineering, chemistry, from National Science Foundation, $9,500, “RAISE:TAQS: High Dimensional Frequency Bin Entanglement -- Photonic Integration and Algorithms.”

Whelton, Andrew J; civil engineering, from Purdue University F N Andrews Fellowship, $31,904, “Montagnino, Elizabeth.”

Whelton, Andrew J; Howarter, John A and Proctor, Caitlin R; civil engineering, materials engineering, environmental & ecological engineering, from Roosevelt Warm Springs Foundation, $22,272, “Plastics in Water Supplies: Impact of Newly Installed Epoxy Linings on Drinking Water Quality.”

Widmar, Nicole J Olynk; agricultural economics, from Lynn Interdisciplinary Graduate Fellowship, $30,483, “Hua, Yizhou.”

Widmar, Nicole J Olynk; agricultural economics, from Ross Graduate Fellowship-Assistantship, $31,959, “Neuhofer, Zachary T.”

Widmar, Nicole J Olynk; agricultural economics, from Purdue University F N Andrews Fellowship, $31,959, “Yim, Hyejin.”

Widmar, Nicole J Olynk; agricultural economics, from Ross Graduate Fellowship-Assistantship, $31,959, “Ortez, Mario A.”

Williams, Rod N; forestry & natural resources, from Hernandez-Gomez, Dr. Obed, $40, “Voluntary Support.”

Williams, Rod N; forestry & natural resources, from Timothy D and Noelle L Metcalf, $20, “Voluntary Support.”

Williams, Rod N; forestry & natural resources, from Amy McMillan, $20, “Voluntary Support.”

Williams, Rod N; forestry & natural resources, from Benjamin G Prater, $20, “Voluntary Support.”

Williams, Rod N; forestry & natural resources, from William A Hopkins III, $80, “Voluntary Support.”

Williams, Rod N; forestry & natural resources, from Jenny Sutherland, $200, “Voluntary Support.”

Williams, Rod N; forestry & natural resources, from Shem D Unger, $40, “Voluntary Support.”

Williams, Rod N; forestry & natural resources, from Shem D Unger, $40, “Voluntary Support.”

Williams, Rod N; forestry & natural resources, from Bethany or Lewis Single, $20, “Voluntary Support.”
**Williams to Zhao**

**Williams, Rod N:** forestry & natural resources, from Dr. Obed Hernandez-Gomez, $20, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Matthew David Kaunert, $40, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Ruth Elaine Freeman, $20, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Peter B Johantgen, $20, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Peter J or Susan Petokas, $40, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Lori A Williams, $40, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Mizuki Takashii, $80, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Hagen, Katherine Laura, $40, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Ruth Elaine Freeman, $20, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Bradley D Nissen, $40, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Sherri or Eric Reinsch, $40, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Nicole Hime, $40, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Amy McMillan, $40, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Joel and Rebekka Canine, $50, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Robin Foster, $60, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Thomas M Floyd, $20, "Voluntary Support.”

**Williams, Rod N:** forestry & natural resources, from Steven J or Jordan M Price, $40, "Voluntary Support.”

**Wlodarczyk, Jaroslav:** mathematics, from US – Israel Binational Science Foundation, $73,100, “Topics in Resolution of Singularities.”

**Wodicka, George R** and **McCormick, Carolyn E B:** biomedical engineering, human development & family studies, from Indiana University Purdue University at Indianapolis, $120,618, “Institutional Career Development Core.” (a Discovery Park award – Bindley Bioscience Center)

**Won, You-Yeon:** chemical engineering, from American Chemical Society, $110,000, “Studies of Glassy Domains in Block Copolymer Micelles and Langmuir Monolayers Using Nuclear Magnetic Resonance (NMR) and Particle Tracking Techniques.”

**Woodcox, Stephanie G:** engagement, from Substance Abuse Mental Health Services Administration, $242,584, “Multi-State Oud Training and Education Outreach.”

**Xu, Dongyan:** computer science, from The National GEM Consortium, $20,000, “GEM Consortium – Cody Butler.”

**Xu, Jin-Rong:** botany & plant pathology, from Agricultural Research Service, $63,183, “Distinct Regulatory Functions of the TRI6 and TRI10 Genes in DON Biosynthesis. Epigenetic Regulation of DON Biosynthesis in Fusarium Graminearum.”

**Yang, Fenggang** and **White, Christopher M:** sociology, from John Templeton Foundation, $234,800, “Measuring Religious Change in the Global East.”

**Yang, Xiaoli; Niyaz, Quamar** and **Trekles, Anastasia M:** electrical & computer engineering, education & counseling, from National Science Foundation, $231,422, “SaTC: EDU: Collaborative: Interactive Visualization and PractTice basEd Cybersecurity Curriculum and Training (InviteCyber) Framework for Developing Next-Gen Cyber-Aware Workforce.”

**Young, Bryan G:** botany & plant pathology, from Lamberti USA, Inc, $2,400, “Multi Sponsored Gift Account.”

**Young, Bryan G:** botany & plant pathology, from Land O’Lakes Inc., $11,200, “Multi Sponsored Gift Account.”

**Young, Bryan G** and **Johnson, William G:** botany & plant pathology, from BASF Corporation, $7,200, “Evaluation of BASF Herbicide.”

**Youngblood, Jeffrey P:** materials engineering, from U.S. Forest Service, $15,000, “Fiber Reinforcement of Mechanically Fibrillated Celullose Nanoﬁbril (mCNF) Laminates with Increased Mechanical Strength and Toughness.”

**Yu, Jae Hoon David:** civil engineering, from National Science Foundation, $154,523, “Collaborative Research: Cross-Scale Interactions & the Design of Adaptive Reservoir Operations.”

**Zavattieri, Pablo D:** civil engineering, from Indiana Technology & Manufacturing Co, $49,500, “PXCM Solutions for Lightweight Runway Matting.”

**Zavattieri, Pablo D:** civil engineering, from University of California-Riverside, $76,504, “Investigation of Force Transduction and Actuation in Integrated Multifunctional Biological Structures.”

**Zhang, Cankui** and **Zhou, Yun:** agronomy, botany & plant pathology, from National Science Foundation, $452,915, “EDGE TT: Genetic Transformation of Broadleaf Plantain (Plantago Major) and Narrowleaf Plantain (Plantago Lanceolata).”

**Zhang, Guangjun:** comparative pathobiology, from PHS-NIH National Institute of General Medical Science, $0, "Roles of Biodiversity of Ion Channels in Developmental Patterning and Oncogenesis.”

**Zhang, Hao:** statistics, from Purdue University F N Andrews Fellowship, $20,065, “Shih, Chih-Han.”

**Zhang, Hao:** statistics, from Purdue University F N Andrews Fellowship, $20,065, “Keralapura Nagaraju, Ksheera Sagar.”

**Zhao, Fan:** Director of Dining, from Ross Graduate Fellowship-Assistance, $31,904, “Han, Jiaxiu.”

**Zhao, Fu:** mechanical engineering, from Ross Graduate Fellowship-Assistance, $31,904, “Kulkarni, Sameer.”
Zheng to Zhou


Zhou, Chenn Qian; mechanical & civil engineering, from Gerdau Special Steel, $50,000, “Steel Manufacturing Visualization and Simulation Consortium (SMVSC) Membership.”

Zhou, Chenn Qian; Chen, Bin; Moreland, John R and Silaen, Armin K; Center for Innovation through Visualization and Simulation, engineering administration, from Arcelormittal USA, $0, “Production of Zero-Defect (ZD) Slabs through the Implementation of Smart Manufacturing Technologies in Steel Continuous Casting.”

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

Zhou, Qi; industrial & physical pharmacy, from PHS-NIH National Institute of Allergy and Infectious Diseases, $565,399, “Combating Deadly Gram-Negative Lung Infections: An Inhalation and Systems Approach.”

Zhou, Qi; physics & astronomy, from National Science Foundation, $83,237, “Exploring Contacts in New Era: Spin-Orbit Coupling and Dimension Crossover.”

Zhou, Yun and Banks, Jo Ann; botany & plant pathology, from National Science Foundation, $611,726, “The Regulation of Meristem Development in Ceratopteris Gametophytes and Sporophytes.”

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.