

Aline to Blackstock

Aime, Mary Catherine; botany & plant pathology, from Animal Plant Health Inspection Service, \$285,914, "Enhancing Rust Fungus Identification through Molecular Diagnostics."

Akdere, Mesut and **Acheson-Clair, Kris**; technology, leadership & innovation, International Programs administration, from National Science Foundation, \$363,059, "Collaborative Research: Developing Business Communication Skills in Manufacturing Technician Education."

Alexeenko, Alina; aeronautics and astronautics, from National Science Foundation, \$45,301, "Cubesat Ideas Lab: Collaborative Research: Virtual Super-Resolution Optics with Reconfigurable Swarms (VISORS); Amendment 1, Grant 10001574."

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

Allebach, Jan P; electrical & computer engineering, from HP Inc, \$75,000, "Assessing 3-D Part Deformation via Surface Feature Localization."

Alsup, Janet M; educational studies, from Purdue University F N Andrews Fellowship, \$26,648, "Chiang, Alice."

Alsup, Janet M; curriculum & instruction, from Purdue University F N Andrews Fellowship, \$30,758, "Ilobinso, Anthony C."

Alsup, Janet M; curriculum & instruction, from Purdue University F N Andrews Fellowship, \$26,648, "Dwomoh, Razak K."

Alsup, Janet M; curriculum & instruction, from LASPAU, \$3,471, "LASPAU Scholarship for Lucia Urena Rodriguez."

Alsup, Janet M; curriculum & instruction, from Ross Graduate Fellowship-Assistantship, \$32,677, "Zhang, Yixin."

Anderson, William E; aeronautics and astronautics, from University of Michigan, \$140,001, "Multi-Fidelity Modeling of Rocket Combustor Dynamics; Amendment 4, Grant 13000559."

Arling, Gregory W; **Xu, Dongjuan**; **Abrahamson, Kathleen A** and **Hass, Zachary J**; nursing, from University of Minnesota, \$191,731, "Evaluation of Minnesota DHS LTC Initiatives – Amendment to Subcontract."

Armstrong, Shalamar D and **Raturi, Ankita**; agronomy, agricultural & biological engineering program, from North Carolina State University, \$262,304, "Enhancing the Sustainability of US Cropping Systems through Cover Crops and an Innovative Information and Technology Network."

Bae, Euiwon; mechanical engineering, from National Science Foundation, \$50,000, "Customer Discovery for Field-Deployable Diagnostic Laboratory (FDL)."

Bagchi, Saurabh; **Harrell, Stephen L**; **Kalyanam, Rajesh** and **Song, Xiaohui Carol**; electrical & computer engineering, IT Research Computing, from National Science Foundation, \$1,183,897, "CCRI: ENS: Collaborative Research: Open Computer System Usage Repository and Analytics Engine."

Bagchi, Saurabh; **Chaterji, Somali**; **Chiang, Mung** and **Inouye, David Iseri**; electrical & computer engineering, agricultural & biological engineering program, engineering administration, from Army Research Laboratory, \$749,714, "Secure, Real-Time, Distributed Decision-Making for the Autonomous Battlefield."

Bahr, David F; materials engineering, from George Washington Carver Fellowship, \$26,378, "Deneke, Naomi."

Balagtas, Joseph V; agricultural economics, from Council of Economic Advisors, \$68,750, "Council of Economic Advisors."

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

Baxmeyer, Adam W; Airport Operations, from Federal Aviation Administration, \$69,000, "Airport – CARES Act Grant."

Bean, Robert S; nuclear engineering, from U.S. Department of Energy, \$191,000, "Cooperative Agreement to Host DOE Fellows and Scholars at Purdue University – Adam Dix."

Beaulieu, Lionel J; Office of Engagement Administration, from Indiana Economic Development Corporation, \$153,200, "HH SBDC – Federal – SBA CARES Act Supplemental Funds."

Beckerman, Janna L; botany & plant pathology, from Syngenta Crop Protection Inc., \$6,000, "Indiana Arborists Association, Inc."

Behrens, Sandra R; nursing administration, from Indiana University, \$30,276, "COVID-19 Supplemental Funding – Northwest Indiana Area Health Education Center."

Berger, Edward J; engineering education, from National Science Foundation, \$81,445, "NSF IPA – Edward Berger."

Bermel, Peter A and **Garner, Allen L**; engineering administration, nuclear engineering, from U.S. Department of Defense, \$1,021,000, "Task 3.5 (Radiation-Hardened Technologies)." (a Discovery Park award – Birck Nanotechnology Center)

Bermel, Peter A; **Handwerker, Carol A**; **Appenzeller, Joerg**; **Douglas, Kerrie A**; **Moore, Tamara J**; **Raghunathan, Anand** and **Subbarayan-Shastri, Ganesh**; engineering administration, materials engineering, electrical & computer engineering, engineering education, mechanical engineering, from Department of the Army, \$3,600,000, "Scale Heterogeneous Integration/Advanced Packaging and System-on-Chip." (a Discovery Park award – Birck Nanotechnology Center)

Bhadra, Anindya; statistics, from National Science Foundation, \$120,000, "Developments in Gaussian Processes and Beyond: Applications in Geostatistics and Deep Learning."

Bianchi, Antonio; **Tian, Jing** and **Xu, Dongyan**; computer science, from Naval Information Warfare Center Pacific, \$600,000, "Dicer: Directed Compilation for Assured Patching."

Bigelow, Cale A; horticulture and landscape architecture, from Multi-Sponsored Industrials, \$9,000, "MRTF Gift Account."

Blackstock, Stephanie A; Vice Chancellor for Finance and Administration Administration, from Crown Point Community Foundation, \$750, "Virtual Programming at Gabis Arboretum."

Blackstock, Stephanie A; Vice Chancellor for Finance and Administration Administration, from NiSource Charitable Foundation, \$1,800, "Woodland Restoration Program."

Blaisdell to Clase

Blaisdell, Gregory A; aeronautics and astronautics, from Purdue Doctoral Program, \$32,677, "Maldonado, Juan C."

Bobet, Antonio; civil engineering, from Purdue University F N Andrews Fellowship, \$32,677, "Han, Kyungsoo."

Bolin, Jeffrey T; research development administration, from Purdue Research Foundation, \$31,119, "FY20-21 PRF Grants (60000029)."

Bolin, Jeffrey T; Executive Vice President for Research and Partnerships Administration, from Purdue Research Foundation, \$31,119, "FY20-21 PRF Grants (60000029)."

Bolin, Jeffrey T; research development administration, from Purdue Research Foundation, \$62,238, "FY20-21 PRF Grants (60000029)."

Bolin, Jeffrey T; research development administration, from Purdue Research Foundation, \$31,119, "FY20-21 PRF Grants (60000029)."

Bolshakova, Virginia L J; curriculum & instruction, from U.S. Department of Education, \$3,500,000, "Indiana's GEAR UP Program (Grant 19100053)."

Boltasseva, Alexandra and Shalae, Vladimir M; electrical & computer engineering, from National Science Foundation, \$450,000, "Machine-Learning-Optimized Refractory Metasurfaces for Thermophotovoltaic Energy Conversion." (a Discovery Park award – Birck Nanotechnology Center)

Boor, Brandon E; civil engineering, from Ross Graduate Fellowship-Assistantship, \$32,677, "Patra, Satya Sundar."

Bouman, Charles A; electrical & computer engineering, from Los Alamos National Laboratory, \$145,000, "Advanced Reconstruction Methods for Ptychographic Imaging and Physics-Informed Priors for Dynamic Imaging."

Bowman, Mark D and Williams, Christopher S; civil engineering, from Indiana Department of Transportation, \$500,000, "Long Term Project and Network Level NDT Implementation Plan for Indiana."

Braun, James E; mechanical engineering, from Ingersoll-Rand Endowment, \$25,000, "Center for High Performance Building Consortium."

Briggs, Scott D; Dilkes, Brian and Hall, Mark C; biochemistry, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$380,246, "Set Domain Epigenetic Factors Govern Antifungal Drug Efficacy and Fungal Pathogenesis (Grant 11000770)."

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, \$39,474, "2020-21 Joint PhD Program for Graduate Support – Han Dang Nhat Nguyen."

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, \$38,395, "2020-21 Joint PhD Program Graduate Support – Chun-Yi Chang."

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, \$39,944, "2020-2021 Joint PhD Program for Graduate Support – Chakravarthula."

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, \$39,953, "2020-21 Joint PhD Program Graduate Support – Ziqian Zeng."

Bullock, Darcy M; civil engineering, from Indiana Department of Transportation, \$25,900, "Joint Transportation Research Program Administrative Budget (Grant 21000114)."

Bullock, Darcy M; civil engineering, from Indiana Department of Transportation, \$115,115, "SPR-4545: Alternate Interchange Signing Study for Indiana Highways."

Cai, Hubo; civil engineering, from International Institute of Education, \$16,784, "Fulbright Scholarship for Ms. Beyza Kiper."

Camberato, James J; agronomy, from Pioneer Hi-Bred International, Inc., \$17,385, "Multi Sponsored."

Cameron, Stephen L; entomology, from National Science Foundation, \$345,677, "Collaborative Research: Digitization TCN: Digitizing Collections to Trace Parasite-Host Associations and Predict the Spread of Vector-Borne Disease (10001564)."

Campbell, Noll L; pharmacy practice, from Indiana University, \$41,542, "Brain Safe: Consumer Intervention to Reduce Exposure to Drugs Linked to Alzheimer's Disease; Amendment 1, Grant 11000897."

Capano, Michael A; electrical & computer engineering, from LASPAU, \$5,178, "LASPAU Scholarship for Lucas Martin Peralta Bogarin."

Cardella, Monica E; engineering education, from Explore Interactive, Inc, \$54,625, "Immediate Formative Feedback for STEM Education."

Carlton, Joshua S and Hook, Tomas O; Illinois-Indiana Sea Grant, forestry & natural resources, from National Oceanographic & Atmospheric Administration, \$100,000, "Supporting Direct Sales of Farmed Fish in Illinois and Indiana."

Chan, Stanley H; electrical & computer engineering, from National Science Foundation, \$390,000, "Short-Exposure Imaging through Atmospheric Turbulence Using Single Photon Image Sensors."

Chen, Weinong W; aeronautics and astronautics, from University of Delaware, \$52,500, "Real Time Damage Visualization in Composites; Amendment 1, Grant 13000891."

Chen, Yunfeng and Zhang, Jiansong; construction management technology, from Indiana Department of Transportation, \$80,682, "SPR – 4523 – Applied Ergonomics."

Cheng, Guang; statistics, from Adobe Systems Incorporated, \$50,000, "Towards A/B Testing Automation: a Multiarmed Bandit Framework. (Voluntary Support)."

Chmielewski, Jean A; chemistry, from National Science Foundation, \$52,596, "AGEP Supplement to Cationic Amphiphilic Polyproline Helices (CAPHs) – Coupling Antibacterial Activity with Mammalian Cell Penetration."

Choi, Jong Hyun; mechanical engineering, from U.S. Department of Energy, \$185,000, "Design Principles of Biomolecular Metamaterials."

Christian, John A; comparative pathobiology, from Western University of Health Sciences, \$1,885, "Cytology Resource Center (40001198)."

Christian, John A; comparative pathobiology, from Western University of Health Sciences, \$9,425, "Cytology Resource Center (40001198)."

Christov, Ivan C; mechanical engineering, from National Science Foundation, \$387,724, "Nonlinear Dynamics of Confined Interfaces: Beyond Linear Analysis and Towards Control."

Clase, Kari L; Byrn, Stephen Robert and Ekeocha, Zita; agricultural & biological engineering program, industrial and physical pharmacy, biological sciences, from Bill & Melinda Gates Foundation, \$1,100,993, "Sustainable Medicines in Africa."

Coddington to Goni Cortes

Coddington, Jennifer A; nursing, from Indiana State Department of Health, \$50,000, "Catapult."

Connor, Robert J; civil engineering, from Wyoming Department of Transportation, \$68,553, "Field Testing and Long-Term Monitoring of Selected High-Mast Lighting Towers."

Corley, Baraka B; Student Success, from U.S. Department of Education, \$438,446, "Horizons Student Support Services."

Cramer, William A; biological sciences, from U.S. Department of Energy, \$120,000, "Structure-Function and Nearest Neighbor Interactions of the Cytochrome b6f Complex."

Crawford, Melba M; agronomy, from Lynn Interdisciplinary Graduate Fellowship, \$31,668, "Wang, Chenyan."

Crawford, Melba M; electrical & computer engineering, from Korea Polar Research Institute, \$16,800, "UAV-Based Advanced Remote Sensing of the Polar Regions."

Cross, Tzu Wen L; nutrition science, from Lynn Interdisciplinary Graduate Fellowship, \$31,668, "Choi, Mun Sun."

Crossley, William A; Johnson, Mary E and Marais, Karen; aeronautics and astronautics, aviation and transportation technology, from Federal Aviation Administration, \$135,000, "PEGASAS Project 0: Management and Administration."

DeLaurentis, Daniel A; aeronautics and astronautics, from Science Applications International, \$16,000, "SAIC GXT CPS AHT Advance Hypersonics Technology." (a Discovery Park award – Institute for Global Security and Defense Innovation)

Delp, Edward J and Comer, Mary L; electrical & computer engineering, from Lockheed Martin Corp., \$40,000, "Multi-Entity Activity Characterization."

Delp, Edward J; electrical & computer engineering, from George Mason University, \$250,000, "Joint Exploitation of Personal and Premises Surveillance Video."

Delp, Edward J; electrical & computer engineering, from Defense Advanced Research Projects Agency, \$200,000, "Forensic Analysis of Overhead Images – V2."

Delp, Edward J; electrical & computer engineering, from Air Force Research Laboratory, \$606,503, "Discover: a Data-Driven Integrated Approach for Semantic Inconsistencies Verification."

Deng, Qing; biological sciences, from PHS-NIH National Institute of General Medical Science, \$369,178, "Role of Micrnas in Neutrophil Migration; Amendment 4, Grant 11000530."

DeWoody, James Andrew; forestry & natural resources, from Texas Parks and Wildlife Department, \$24,162, "Conservation Genomics of Montezuma Quail in Texas."

Dietz, James Eric; computer Information technology, from General Dynamics Information Technology Inc, \$27,442, "Technical Instruction and Evaluation for Automating Navy STIG/Cybersecurity."

Dilkes, Brian; biochemistry, from National Science Foundation, \$73,675, "Collaborative Research: Root-to-Shoot Communication via the bps Signal (Grant 10001359)."

Duerstock, Bradley S; biomedical engineering, from Indiana State Department of Health, \$80,000, "Diagnosing Autonomic Dysreflexia after Spinal Cord Injury through Physiological Sensing and Machine Learning."

Duvall, John N; English, from Johns Hopkins University, \$31,329, "Journal of Modern Fiction Studies."

Dyke, Shirley J; Braun, James E; Marais, Karen; Billionis, Ilias; Bobet, Antonio; Cappelleri, David J; Chiu, George T; Maghareh, Amin; Whitaker, Dawn R and Ramirez, Julio Alfonso; civil engineering, mechanical engineering, aeronautics and astronautics, industrial engineering, from National Aeronautics and Space Administration, \$3,000,000, "Resilient Extraterrestrial Habitats (Grant 12000295)."

Eisenhauer, Mary Jane; Bowers, Katie and Gregory, Anne E; education & counseling, academic programs administration, from Indiana Commission for Higher Education, \$20,000, "Let the Games Begin! Champions for College."

Finley, John P; physics & astronomy, from Ross Graduate Fellowship-Assistantship, \$31,858, "Leung, Kwing Lam."

Finley, John P; aeronautics and astronautics, from Ross Graduate Fellowship-Assistantship, \$32,677, "Hoffman, Alexander E."

Fischbach, Ephraim; physics & astronomy, from John Gruenwald, \$1,650, "E. Fischbach Research Support."

Flaherty, Elizabeth A; forestry & natural resources, from National Science Foundation, \$23,387, "Collaborative Research: Expanding and Evaluating an Ecological, Networked Course-Based Undergraduate Research Experience."

Fricker, Jon D and Abraham, Dulcy M; civil engineering, from Indiana Department of Transportation, \$183,072, "Alternative Strategies for Roadway Work Zone Safety and Productivity."

Gallardo, Roberto; Cooperative Extension Service, from Extension Foundation, \$10,000, "Informing Extension LGU Programming."

Gallardo, Roberto and Del Real, Emily D; Cooperative Extension Service, Purdue Center for Regional Development, from Microsoft Corporation, \$6,167, "Microsoft Airband Digital Ready Businesses Pilot."

Ghiselli, Richard F; hospitality & tourism management, from Ross Graduate Fellowship-Assistantship, \$28,938, "Chen, Jun."

Ghosh, Arun K; chemistry, from PHS-NIH National Institute of General Medical Science, \$484,067, "Design & Synthesis of Nonpeptide Protease Inhibitors; Amendment 25, Grant 11000535."

Gkritza, Konstantina and Connaughton, Stacey L; civil engineering, communications, from Indiana Department of Transportation, \$137,960, "SPR 4522 Public Awareness/Education."

Gkritza, Konstantina; civil engineering, from LASPAU, \$4,706, "LASPAU Scholarship for Raul Francisco Elizondo Candanedo."

Godwin, Allison F; engineering education, from National Science Foundation, \$21,688, "Supplement EAGER: Collaborative Proposal: Supporting Career Development in Engineering Education."

Gondhalekar, Ameya D; entomology, from Dow AgroSciences, \$9,500, "German Cockroach Field – Low Income Apartments."

Goni Cortes, Joaquin; industrial engineering, from Indiana University Purdue University at Indianapolis, \$31,917, "Statistical Models for Multi-Modal Brain Imaging Studies of HIV-Associated Cognitive Decline."

Goosen to Johal

Goosen, Robert K and Ryan, Sean; Technical Assistance Program/ Manufacturing Extension Partnership, Office of Engagement administration, from Indiana Economic Development Corporation, \$75,000, "Innovation Voucher Program – 2020."

Griffin, Paul M; Resetch, Tatlin R and Hountz, Randall A; industrial engineering, from U.S. Department of Health and Human Services, \$350,000, "Empowering a Rural Community to Respond to Prescription Opioid Abuse." (a Discovery Park award – Regenstrief Center)

Groll, Eckhard A; mechanical engineering, from Ross Graduate Fellowship-Assistantship, \$32,677, "Wang, Robert Bebe."

Groll, Eckhard A; mechanical engineering, from Air Squared, \$75,000, "Vapor Compression Refrigeration System for Cold Storage on Spacecrafts (Phase II-E)."

Guan, Wenjing; horticulture & landscape architecture, from HM Clause Inc, \$600, "General Research Activities."

Habib, Ayman F; civil engineering, from International Institute of Education, \$20,393, "Fulbright Scholarship for Mr. Wildan Firdaus."

Haddock, John E; civil engineering, from Indiana Department of Transportation, \$249,816, "Material Characterization and Determination of MEPDG Input Parameters for Indiana Superpave 5 Asphalt Mixtures."

Hamaker, Bruce R; food science, from Foundation for Food and Agriculture Research, \$387,556, "Capitalizing on the Unique Viscoelastic Properties of Corn Zein for a New Commercial Plant-Based Protein."

Hamilton, Roy L and Rodriguez, Catalina E; Educational Opportunities Program, from U.S. Department of Education, \$333,429, "Student Support Services."

Hassanein, Ahmed; nuclear engineering, from Multi-Sponsored Industries, \$106,977, "Multi Sponsor – Voluntary Support 30001746."

Hendrix, Gena K; comparative pathobiology, from Animal Plant Health Inspection Service, \$131,000, "FY 20 NAHLN Infrastructure Agreement."

Hertel, Thomas W; agricultural economics, from National Institute of Food & Agriculture, \$25,000, "Economic Foundations of Long Run Agricultural Sustainability."

Hertel, Thomas W; agricultural economics, from RIETI (Research Institute of Economy, Trade and Industry IAI), \$20,435, "GTAP Consortium-RIETI."

Hertel, Thomas W; agricultural economics, from Stanford University, \$209,187, "A Multi-Model, Multi-Scale Research Program in Stressors, Responses, and Coupled Dynamics at the Energy-Water-Land Nexus and for Concentrated, Interde; Amendment 4, Grant 14000281."

Hertel, Thomas W; agricultural economics, from Economic Research Institute for ASEAN, \$20,435, "GTAP Consortium-ERIA."

Hertel, Thomas W; agricultural economics, from Johann Heinrich Von Thunen Institute (vTI), \$20,435, "GTAP Consortium-TI."

Hertel, Thomas W; agricultural economics, from Centre D'etudes Prosp Et Dinfo International, \$20,435, "GTAP Consortium-CEPII."

Hertel, Thomas W; agricultural economics, from Wageningen Economic Research (LEI), \$20,435, "GTAP Consortium-LEI."

Hill, Michael A; Center for Environmental and Regulatory Information Systems, from Agricultural Research Service, \$16,000, "Swine Management Website and Mobile App."

Hill, Michael A; Center for Environmental and Regulatory Information Systems, from National Institute of Food & Agriculture, \$242,000, "NPDN National Database/National Network of Diagnostic Centers."

Hill, Michael A; Center for Environmental and Regulatory Information Systems, from Animal Plant Health Inspection Service, \$73,884, "IN FY20 PPA Mobile App for CPB."

Horgan, Briony H; earth, atmospheric & planetary sciences, from Jet Propulsion Laboratory, \$47,258, "Using Composition to Constrain Paleoenvironments and Sites of Organic Preservation in Gale Crater; Modification 12; Grant 12000172."

Howarter, John A; materials engineering, from CHC Rare Earths, Inc, \$58,000, "Process Evaluation for Value Recovery from Metallurgical Sludge."

Howell, Kathleen; aeronautics and astronautics, from National Aeronautics and Space Administration, \$45,000, "Design, Targeting and Guidance Strategies in Complex Multi-Body Regimes Incorporating Low-Thrust Capabilities; Amendment 3, Grant 12000260."

Howell, Kathleen; aeronautics and astronautics, from National Aeronautics and Space Administration, \$50,000, "Impact of the Dynamical Environment on Low-Thrust Spacecraft Moving in Cislunar Space."

Howell, Kathleen; aeronautics and astronautics, from Aerospace Corporation, \$127,000, "Cislunar Orbital Transportation Network."

Huang, Libai; chemistry, from U.S. Department of Energy, \$155,317, "Exciton Transfer, Dissociation, and Transport at Two-Dimensional Organic-Inorganic Interfaces; Modification 4, Grant 14000268."

Hupy, Joseph P; aviation & transportation technology, from University of Wisconsin-Eau Claire, \$93,929, "Collaborative Research: Lake Breeze Influence on Ozone Transport as Captured by an Unmanned Aircraft System (Grant 10001506 Amendment #1)."

Ingwell, Laura L; entomology, from Ross Graduate Fellowship-Assistantship, \$30,758, "Aviles Lopez, Leslie Alejandra."

Iyer-Pascuzzi, Anjali; botany & plant pathology, from National Science Foundation, \$42,901, "Dynamic Control of Columella Root Cap Cell Loosening and Release in Arabidopsis (Grant 10001248)."

Jacob, Zubin and Aggarwal, Vaneet; electrical & computer engineering, industrial engineering, from Defense Advanced Research Projects Agency, \$100,000, "Quantum Entropic Causal Inference." (a Discovery Park award – Birck Nanotechnology Center)

Jenkins, Michael A; forestry & natural resources, from U.S. Forest Service, \$14,997, "The Use of Prescribed Fire to Promote Oak Species Regeneration within Silvicultural Harvest Treatments."

Jenkins, Michael A; forestry & natural resources, from Indianapolis Foundation, \$3,615, "Voluntary Support."

Jewell, Joseph S; aeronautics and astronautics, from Ross Graduate Fellowship-Assistantship, \$32,677, "Price, Bethany Nicole."

Jiao, Dan; electrical & computer engineering, from Intel Corporation, \$100,000, "Signal Integrity Analysis of Nonlinear I/O Circuits."

Johal, Gurmukh S; botany & plant pathology, from Ag Alumni Seed Improvement Association, \$20,000, "Johal Voluntary Support 30001434."

Johnson to Leonard

Johnson, Brandon Charles; earth, atmospheric & planetary sciences, from National Aeronautics and Space Administration, \$45,000, "Sputnik Planitia as a Probe for Pluto's Interior Structure and Global Tectonic Evolution – Fellowship for C. Adeene Denton."

Johnson, Mary E and Thom, James Mark; aviation & transportation technology, from Baere Aerospace Consulting Inc, \$5,832, "Baere Aerospace L Paint Test."

Johnson, William G; botany & plant pathology, from Syngenta Crop Protection Inc., \$38,900, "Weed Science Research Voluntary Support."

Johnston, Cliff T; agronomy, from Ag Spectrum Company, \$41,045, "Foliar Additives Research."

Jordan, G Logan; management administration, from Cleveland Foundation, \$4,707, "PI Change: Krannert School of Management's Graduate Program to Provide Scholarships to First-Year Students Based on Academic Merit (41000236)."

Kais, Sabre; chemistry, from National Science Foundation, \$449,950, "Near Term Applications of Quantum Machine Learning Techniques to Quantum Chemistry."

Kais, Sabre; chemistry, from Oak Ridge National Laboratory, \$49,871, "Developing Quantum Machine Learning Methods for Computational Chemistry."

Kak, Avinash C; electrical & computer engineering, from Applied Research Associates, Inc, \$58,340, "Creation of Operationally Realistic 3-D Environment (CORE3D); Modification 9, Grant 13000603."

Karpicke, Jeffrey D; psychological sciences, from Ross Graduate Fellowship-Assistantship, \$28,938, "Gao, Aijia."

Karpicke, Jeffrey D; psychological sciences, from Purdue University F N Andrews Fellowship, \$28,938, "Oesterle, Daniel W."

Karpicke, Jeffrey D; psychological sciences, from Purdue Doctoral Program, \$27,609, "Noland, Elisabeth S."

Karpicke, Jeffrey D; psychological sciences, from Iowa State University, \$71,815, "Implementing Principles from the Science of Learning within Educational Practice; Amendment 5; Grant 40002318."

Kasinski, Andrea L and Low, Philip S; biological sciences, chemistry, from PHS-NIH National Cancer Institute, \$354,563, "Enhancing MiRNA Therapeutics through Combinatorial Targeting and Vehicle Free Delivery (Grant 11000653 Amendment #3)."

Kelleher, Bridgette L; Lemaire, Kelly Lynn; Foti, Daniel J and Rispoli, Mandy J; psychological sciences, educational studies, from Angelman Syndrome Foundation, \$50,105, "Piloting a Customized Telehealth-Based Caregiver Support Intervention in Angelman Syndrome."

Kelleher, Bridgette L and Hamrick, Lisa M; psychological sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$39,120, "Analysis of Early Vocalization Features in Children at High Genetic Risk for Autism – Lisa (Rague) Hamrick; Amendment 1; Grant 11000871."

Kenttamaa, Hilka I; chemistry, from Neste Oil Oyj, \$45,000, "Increase & Extension: Development of the Methods for the Analysis of Chlorine-Containing Compounds in Waste Cooking Fats and Residues (40003012)."

Kever, Shubitha S; Trio Programs, from U.S. Department of Education, \$261,888, "Purdue Fort Wayne Trio SSS – Regular."

Khan, Tahir Mehmood and Deadman, Robert C; computer information technology, from National Security Agency, \$99,993, "Purdue University Cybersecurity Camp."

Kim, Tae Yoon; biomedical engineering, from Ross Graduate Fellowship-Assistantship, \$32,677, "Yim, Donghyun."

Kim, Tae-Hoon; Jin, Ge and Tu, Manghui; computer information technology & graphics, from National Security Agency, \$87,907, "Advanced Gencyber Student Camp at PNW in Chicago Metropolitan Area."

Kingsbury, Bruce A; arts & sciences Administration, from DLZ Michigan, Inc, \$84,999, "Exploring Recruitment of Blanding's Turtles (*Emydoidea blandingii*) and Wood Turtles (*Glyptemys insculpta*) at Camp Grayling."

Koltick, David S; physics & astronomy, from TechSource, \$15,000, "Koltick Voluntary Support."

Koslowski, Marisol; mechanical engineering, from Purdue Doctoral Program, \$32,677, "Patterson, Diane M."

Krusemark, Casey J; medicinal chemistry & molecular pharmacology, from PHS-NIH National Institute of General Medical Science, \$376,148, "Harnessing the in Vitro Selection for Activity-Based Proteomics and Chemical Probe Development (11000759)."

Kuhn, Richard J; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$481,534, "Structure and Function of Icosahedral Viruses (Grant 11000546)."

Kuhn, Richard J; biological sciences, from La Jolla Institute for Allergy & Immunology, \$232,500, "Consortium for Immunotherapeutics Against Emerging Viral Threats."

Ladisch, Michael R; Sharma, Pankaj; Ximenes, Eduardo A; Ardekani, Arezoo Motavalizadeh; Erk, Kendra A; Gonzalez, Marcial; Mosier, Nathan S; Wassgren, Carl R; Ambrose, Rose Prabin Kingsly and Engelberth, Abigail S; agricultural & biological engineering program, engineering technology, mechanical engineering, materials engineering, from U.S. Department of Energy, \$160,171, "Modeling Feedstock Performance and Conversion Operations."

Latif, Niaz and Handley, Mont A; technology administration, from Elevate Ventures, \$8,000, "Higher Education Matching Award."

Lee, Linda S; agronomy, from Environmental Protection Agency, \$1,609,344, "Evaluating PFAS Occurrence and Fate in Rural Water Supplies and Agricultural Operations to Inform Management Strategies."

Lee, Seokcheon; industrial engineering, from Institute of International Education, \$18,390, "Ile Fulbright -- Ahmed Mehmood Khan Babar Fellowship."

Lee, Seokcheon; industrial engineering, from LASPAU, \$6,733, "LASPAU Scholarship for Juan Camilo Paz Roa."

Leonard, Laurence B; Christ, Sharon L; Deevy, Patricia L; Karpicke, Jeffrey D and Weber, Christine M; speech, language, and hearing sciences, human development & family studies, psychological sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$518,637, "Retrieval-Based Word Learning in Specific Language Impairment (Grant 11000513)."

Leonard, Laurence B and Kueser, Justin B; speech, language, and hearing sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$45,520, "Comprehension of Passive Sentences in Developmental Language Disorder; Amendment 1; Grant 11000899."

Liceaga to Mason

Liceaga, Andrea M; food science, from Treehouse Foods, Inc, \$12,000, "Multi Sponsored Gift- Sensory."

Lin, Dennis KJ; statistics, from Ross Graduate Fellowship-Assistantship, \$31,668, "Lee, Caroline."

Lin, Xiaojun; Liu, Lu; Aliprantis, Dionysios and Scutari, Gesualdo; electrical & computer engineering, industrial engineering, from U.S. Department of Energy, \$677,936, "Communication-Constrained Robust Control and Learning of Grid-Connected IoT."

Lin, Xiaozhu; electrical & computer engineering, from National Science Foundation, \$92,202, "CAREER: a Trustworthy and Verifiable Software Backplane for the Cloud Edge; Amendment 1; Grant 10001481."

Linnes, Jacqueline C; biomedical engineering, from George Washington Carver Fellowship, \$34,323, "Colbert, Ashlee J."

Little, Dianne; biomedical engineering, from Purdue University F N Andrews Fellowship, \$32,677, "Umemori, Kentaro."

Low, Philip S; chemistry, from Morphimmune, Inc, \$43,750, "Hurvis - Hulow Research."

Lu, Yung-Hsiang; electrical & computer engineering, from Google Inc, \$20,000, "Multi Sponsor - Voluntary Support."

Lusk, Jayson L; agricultural economics, from Microsoft Corporation, \$30,000, "Multi Sponsor."

Mahmoudian, Nina; mechanical engineering, from Twinleaf LLC, \$112,528, "Magnetic Sensor Suite for Remotely Operated Vehicles for Littoral Threat Characterization in Complex Seabed Environment; Amendment 2; Grant 13000722."

Main, Joyce B; engineering education, from National Science Foundation, \$18,381, "Collaborative Research: Military Veteran Students' Pathways in Engineering Education."

Mason, Linda J; graduate school administration, from Purdue University F N Andrews Fellowship, \$64,345, "2020-21 Andrews Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Purdue Doctoral Program, \$128,753, "2020-21 Purdue Doctoral Fellowships/Assistantships - Graduate School, 71000068."

Mason, Linda J; graduate school administration, from Purdue University F N Andrews Fellowship, \$12,395, "2020-21 Andrews Fellowships/ Assistantships - Graduate School, Incr Grant 71000070."

Mason, Linda J; graduate school administration, from Ross Graduate Fellowship-Assistantship, \$198,206, "2020-21 Ross Fellowships/ Assistantships - Graduate School (71000067)."

Mason, Linda J; graduate school administration, from Purdue University F N Andrews Fellowship, \$87,357, "2020-21 Andrews Fellowships/ Assistantships - Graduate School (71000070)."

Mason, Linda J; graduate school administration, from Purdue Doctoral Program, \$32,677, "2020-21 Purdue Doctoral Fellowships/Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Purdue Doctoral Program, \$65,354, "2020-21 Purdue Doctoral Fellowships/Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Purdue Doctoral Program, \$98,031, "2020-21 Purdue Doctoral Fellowships/Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Ross Graduate Fellowship-Assistantship, \$65,354, "2020-21 Ross Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Ross Graduate Fellowship-Assistantship, \$32,677, "2020-21 Ross Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Purdue University F N Andrews Fellowship, \$32,677, "2020-21 Andrews Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Ross Graduate Fellowship-Assistantship, \$31,668, "2020-21 Ross Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from George Washington Carver Fellowship, \$37,727, "2020-21 Carver Fellowships/ Assistantships - Graduate School, Incr 71000069."

Mason, Linda J; graduate school administration, from Purdue University F N Andrews Fellowship, \$64,345, "2020-21 Andrews Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Purdue University F N Andrews Fellowship, \$5,370, "2016-17 Andrews Fellowships/ Assistantships - Graduate School (71000038)."

Mason, Linda J; graduate school administration, from Ross Graduate Fellowship-Assistantship, \$192,406, "2020-21 Ross Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Purdue University F N Andrews Fellowship, \$32,677, "2020-21 Andrews Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Purdue University F N Andrews Fellowship, \$68,917, "2020-21 Andrews Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Ross Graduate Fellowship-Assistantship, \$35,202, "2020-21 Ross Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Ross Graduate Fellowship-Assistantship, \$65,354, "2020-21 Ross Fellowships/ Assistantships - Graduate School (71000067)."

Mason, Linda J; graduate school administration, from Purdue University F N Andrews Fellowship, \$69,151, "2020-21 Andrews Fellowships/ Assistantships - Graduate School (71000070)."

Mason, Linda J; graduate school administration, from Purdue Doctoral Program, \$32,677, "2020-21 Purdue Doctoral Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Purdue Doctoral Program, \$32,677, "2020-21 Purdue Doctoral Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Ross Graduate Fellowship-Assistantship, \$36,240, "2020-21 Ross Fellowships/ Assistantships - Graduate School."

Mason, Linda J; graduate school administration, from Purdue Doctoral Program, \$24,598, "2020-21 Purdue Doctoral Fellowships/ Assistantships - Graduate School."

Mason to Munson

Mason, Linda J; graduate school administration, from Purdue University F N Andrews Fellowship, \$32,677, "2020-21 Andrews Fellowships/ Assistantships – Graduate School."

Mason, Linda J; graduate school administration, from Purdue University F N Andrews Fellowship, \$31,201, "2020-21 Andrews Fellowships/ Assistantships – Graduate School."

Mason, Linda J; graduate school administration, from George Washington Carver Fellowship, \$22,378, "2020-21 Carver Fellowships/ Assistantships – Graduate School, Increase \$22,378, Grant 71000069."

Mason, Rose A; educational studies, from U.S. Department of Education, \$553,256, "Para-Impact: Professional Development with Teacher-as-Coach for Paraeducators of Elementary Students with Moderate-to-Severe Developmental Disabilities; Modification 4, Grant 19100063."

McKinley, Steven K; Cooperative Extension Service, from National Institute of Food & Agriculture, \$693,000, "Teen Adventure Camp."

McMillan, Sara K and Scarlett, Rachel D; agricultural & biological engineering program, from Ford Foundation, \$28,000, "Ford Foundation Fellowship Rachel Scarlett."

Menekse, Muhsin and Samarapungavan, Ala; engineering education, educational studies, from U.S. Department of Education, \$355,880, "Enhancing Undergraduate STEM Education by Integrating Mobile Learning Technologies with Natural Language; Amendment 3; Grant 19100064."

Mengiste, Tesfaye D; botany & plant pathology, from Rural Development Administration, \$8,806, "Understanding Epigenetic Control of Plant Immunity for New Biomaterials."

Mentzer, Ray A; chemical engineering, from American Chemistry Council, \$4,000, "Analysis of Process Safety Incidents in US Chemical Industry."

Merwade, Venkatesh Mohan; civil engineering, from National Science Foundation, \$270,374, "Collaborative Research: River Morphology Data and Analysis Tools (RiverMorph): a Web Platform for Enabling River Morphology Research (Grant 10001652)."

Meyer, Scott E; mechanical engineering, from Relativity Space, \$57,852, "Heat Exchanger Testing."

Meyer, Scott E and Pourpoint, Timothee L; mechanical engineering, aeronautics and astronautics, from Blue Origin, LLC, \$157,810, "Blue Origin Vacuum Thruster Testing."

Meyer, Terrence R and Ludwigsen, Josh Stockham; mechanical engineering, from National Aeronautics and Space Administration, \$80,000, "Non-Intrusive Measurements of the Effects of Small Particulates on Near Surface Rocket Exhaust Plumes."

Meyer, Terrence R and Ayers, Zachary; mechanical engineering, from National Aeronautics and Space Administration, \$80,000, "High-Fidelity Laser-Based Imaging of Mixing Effects on Rotating Detonation Combustion for Space Propulsion."

Michelusi, Nicolo; Krogmeier, James V and Love, David J; electrical & computer engineering, from National Science Foundation, \$50,000, "Ears: Collaborative Research: Real-Time Control of Dense, Mobile, Millimeter Wave Networks Using a Programmable Architecture."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$2,498, "NIH Tuition Only Fellowship for Katelin Davis (Grant 11000877, Summer 2020)."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, "NIH Institutes of Health Training Grant for Jessica Beck."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, "NIH Tuition Only Fellowship for Stacey Piotrowski."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, "NIH Tuition Only Fellowship for Katelin Davis."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$2,498, "NIH Tuition Only Fellowship for Stacey Piotrowski (Grant 11000745, Summer 2020)."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$2,498, "NIH Comparative Biomedical Scientist Training Program (Grant 11000452, Summer 2020)."

Miller, Margaret A; comparative pathobiology, from PHS-NIH National Cancer Institute, \$4,198, "NIH Tuition Only Fellowship for Patrick Huang."

Mishra, Dharmendra K; food science, from Niagara Bottling LLC, \$36,000, "Multi Sponsored Gift."

Mishra, Dharmendra K; food science, from Steve Norris, \$75, "Multi Sponsored Gift."

Mishra, Dharmendra K; food science, from Charles Carter, \$75, "Multi Sponsored Gift."

Mishra, Dharmendra K and Kurdalak, Erik S; food science, from Food and Drug Administration, \$173,435, "Training and Pilot Processing Laboratory Services for Food Processing Technology Courses."

Mishra, Dharmendra K; food science, from Monica Ontiveros Corral, \$75, "Multi Sponsored Gift."

Mishra, Dharmendra K; food science, from Fresh Indian Grill, \$300, "Multi Sponsored Gift."

Mittal, Suresh K; comparative pathobiology, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$792,476, "Novel Delivery Platform and Antigen Design for an Effective COVID-19 Vaccine."

Mohammadi, Mohsen; agronomy, from Ross Graduate Fellowship-Assistantship, \$31,668, "Mirbakhsh, Mandana."

Morita-Mullaney, Patricia M; curriculum & instruction, from Indiana Department of Education, \$589,050, "IDOE Contract for Course Reimbursement in High Need Areas Such as High Ability Education, Dual Language Education, and Indiana English as a New Language (ENL) Licensure."

Morphew, Jason Wade; engineering education, from National Science Foundation, \$38,339, "Collaborative Research: Understanding the Role of Practice Exams on Student Learning, Confidence and Self-Assessment in Large Introductory Physics Courses."

Mou, Shaoshuai; aeronautics and astronautics, from Ross Graduate Fellowship-Assistantship, \$32,677, "Lu, Zehui."

Mukherjee, Partha P; mechanical engineering, from Computational Fluid Dynamics (CFD) Research Corporation, \$140,351, "Pulse Voltammetry Tools for Accurate and Rapid Analysis of Batteries; Modification 1; Grant 13000829."

Munson, Eric J; industrial and physical pharmacy, from Purdue Doctoral Program, \$31,201, "Tower, Cole William."

Munson, Eric J; industrial and physical pharmacy, from Merck Sharp & Dohme Corp, \$60,000, "Solid-State NMR Study of Protein Stability."

Nagy to Rhoads

Nagy, Zoltan; chemical engineering, from International Fine Particle Research Institute Inc, \$12,000, "IFPRI Gift."

Narsimhan, Vivek; chemical engineering, from American Chemical Society, \$110,000, "Dynamics of Particles in Wall-Bound Viscoelastic Flows – Effect of Particle Shape."

Nauman, Eric A; mechanical engineering, from Kenneth A. Haselby, \$10,000, "HIRRT Laboratory Support 30001783."

Nauman, Eric A; mechanical engineering, from The National GEM Consortium, \$20,000, "GEM Consortium – Kevin McIver."

Nielsen, Robert L; agronomy, from Pioneer Hi-Bred International, Inc., \$1,500, "Corn & Soybean Production."

O'Haire, Marguerite E and Rodriguez, Kerri E; comparative pathobiology, from Society for Companion Animal Studies, \$1,595, "The Effects of Assistance Dogs on Psychosocial Health and Wellbeing: a Systematic Literature Review."

Ohland, Matthew W; engineering education, from National Science Foundation, \$4,000, "Optimizing Student Team Skill Development Using Evidence-Based Strategies."

Parashar, Neeti and Dolen, James W; chemistry & physics, from National Science Foundation, \$174,392, "Research in High Energy Physics on the CMS Experiment; Amendment 1; Grant 10001509."

Pare, Philip Eugene; electrical & computer engineering, from National Science Foundation, \$199,998, "Collaborative Research: Modeling, Learning, and Control of Non-Homogeneous, Multi-Network Epidemic Processes."

Pastakia, Sonak D and Tran, Dan N; pharmacy practice, from Brown University, \$45,108, "Harambee: Integrated Community-Based HIV/NCDCare & Microfinance Groups in Kenya; Amendment 1; Grant 11000958."

Patton, Aaron J; horticulture and landscape architecture, from BASF Corporation, \$5,000, "Patton Multi Sponsored #2 (Orig 301226)."

Pereira, Nielsen Ls; educational studies, from U.S. Department of Education, \$505,575, "Closing Excellence and Opportunity Gaps for Students from Traditionally Underserved Populations in Gifted Education: a Multi-Tier Systems of Support Approach (19100065)."

Peroulis, Dimitrios; electrical & computer engineering, from Landauer Inc., \$75,000, "Center for Electronic Defense Systems (CEDS) Consortium." (a Discovery Park award – Birck Nanotechnology Center)

Pienaar, Elsje; biomedical engineering, from Purdue University F N Andrews Fellowship, \$32,677, "Liu, Xiao."

Pourpoint, Timothee L; aeronautics and astronautics, from Sandia National Laboratories, \$29,430, "Academic Alliance LDRD on Hypersonic Flow Diagnostics in Low Pressure Environments; Modification 5; Grant 14000401."

Pourpoint, Timothee L; aeronautics and astronautics, from Analytical Mechanics Association, Inc, \$50,000, "Experimental Study of Hydrogen Peroxide Cavitation."

Prakash, Arun; civil engineering, from Purdue Doctoral Program, \$32,677, "Sarment, Myriam Josephine."

Purpura, Ashley M; interdisciplinary programs, from Fordham University, \$38,003, "2020/2021 Orthodox Christian Studies Center Faculty Research Fellowship in Orthodox Christian Studies."

Purpura, David J; Schmitt, Sara A; Duncan, Robert J and Eason, Sarah Henkel; human development & family studies, public health, from Newschools Venture Fund, \$2,000,000, "My Math Stories: Taking My Place in Our Mathematical World."

Pushkar, Yulia N; physics & astronomy, from National Science Foundation, \$450,000, "Structural and Electron Dynamics of the O-O Bond Formation in Photosystem II."

Quagraine, Kwamena K; agricultural economics, from Iowa State University, \$27,844, "Choice of Fish: an Analysis of the North Central Region Market for Farm-Raised Fish."

Rao, Sanjay G and Quinn, Alexander J; electrical & computer engineering, from National Science Foundation, \$198,537, "Collaborative Research: CNS CORE: Medium: Panoptes: Next Generation Multi-Perspective Video Delivery at Internet Scale."

Rao, Vinayak A P; statistics, from National Science Foundation, \$51,655, "Decision Theoretic Bayesian Computation (Grant 10001384 Amendment #2)."

Rapoport, Anatoli; curriculum & instruction, from U.S. Department of State, \$250,000, "Benjamin Franklin Transatlantic Fellows Summer Institute 2021."

Ratliff, Timothy L; comparative pathobiology, from PHS-NIH National Cancer Institute, \$1,860,000, "Cancer Center Support Grant."

Rayz, Julia M and Ngambeki, Busiime Ida; computer Information technology, from National Science Foundation, \$299,566, "EAGER: SaTC-EDU: AI-Based Humor-Integrated Social Engineering Training."

Rebello, Carina M; physics & astronomy, from National Science Foundation, \$299,992, "Infusing Design in a Physics Course for Engineers."

Reed, Willie M; veterinary medicine administration, from Indiana Dog Tax, \$4,945, "2020 Increase: Indiana State Dog Tax (20000146)."

Reid Smith, Tahira; mechanical engineering, from National Aeronautics and Space Administration, \$60,000, "IPA Agreement T. Reid Smith."

Rhoads, Jeffrey Frederick; Beaudoin, Stephen P; Son, Steven F; Berger, Edward J; Chen, Weinong W; Meyer, Terrence R; Boudouris, Bryan W; Chiu, George T; Gibert, James M; Goldenstein, Christopher S; Gonzalez, Marcial; Hartman, Nathan W; Koslowski, Marisol; Lucht, Robert P; Piercey, Davin G; Pourpoint, Timothee L; Ramachandran, Padinjaremadhom V; Savoie, Brett; Scalo, Carlo; Slipchenko, Mikhail N; Strachan, Alejandro H; Sutherland, John W; Talavage, Thomas M; Zhang, Song; Nauman, Eric A; Poggie, Jonathan; Singh, Shweta; Davis, Chelsea S and Kenttamaa, Hilkka I; mechanical engineering, chemical engineering, engineering education, engineering administration, computer graphics technology, aeronautics and astronautics, chemistry, materials engineering, environmental & ecological engineering, electrical & computer engineering, agricultural & biological engineering program, from US Army ACC APG Adelphi Division, \$8,000,000, "Advancing Army Modernization Priorities through Collaborative Energetic Materials Research."

Rhoads, Jeffrey Frederick; Bolton, J Stuart; Davies, Patricia; Gonzalez, Marcial and Son, Steven F; mechanical engineering, from Air Force Research Laboratory, \$90,000, "Exploring the Thermomechanics of Energetic and Mock Energetic Composite Materials Under Quasi-Static and Near-Resonant Excitations; Modification 9; (Grant 13000634)."

Ribeiro to Singh

Ribeiro, Fabio H; chemical engineering, from Multi-Sponsored Industrials, \$5,000, "CISTAR Industrial Consortium, Incr Rapid Manufacturing 40001938."

Ribeiro, Fabio H; chemical engineering, from Multi-Sponsored Industrials, \$15,000, "CISTAR Industrial Consortium, Incr Endress and Hauser, Inc 40001938."

Richert, Brian T; animal sciences, from Azomite Mineral Products Inc, \$20,000, "Swine Research."

Riley, Donna M and Beebe, Chanel M; Engineering Education, Purdue Systems Collaboratory, from Ford Foundation, \$27,000, "Ford Fellowship- Chanel Beebe."

Riley, Donna M; engineering education, from Ross Graduate Fellowship-Assistantship, \$32,677, "Struck Jannini, Alexander V."

Riley, Donna M; engineering education, from Ross Graduate Fellowship-Assistantship, \$32,677, "Quezada, Breejha S."

Rodriguez, Catalina E; Educational Opportunities Program, from U.S. Department of Education, \$627,981, "Purdue University Northwest Upward Bound Program."

Rodriguez, Catalina E and Hamilton, Roy L; Educational Opportunities Program, from Indiana Commission for Higher Education, \$2,300, "Indiana Scholarcorps AmeriCorps Program 2019-2020."

Rogers, Timothy G; electrical & computer engineering, from University of Michigan, \$110,000, "Applications Driving Architectures (ADA) Center – Leveraging Software Engineering Design Principals to Generate Efficient Hardware; Amendment 3; Grant 13000793."

Rompf, Tiark; computer science, from National Science Foundation, \$108,052, "CAREER: Generative Programming and DSLs for Safe Performance Critical Systems; Amendment 4; Grant 10000996."

Ruan, Xiulin; mechanical engineering, from George Washington Carver Fellowship, \$26,379, "Delgado, Luis, R."

Running, Cordelia A; food science, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$147,775, "Salivary Interactions with Chemosensation (Grant 11000773)."

Salgado, Rodrigo and Prezzi, Monica; civil engineering, from Indiana Department of Transportation, \$298,905, "SPR – 4516 – Development of Protocols for Reuse Assessment of Existing Foundations in Bridge Rehabilitation and Replacement Projects."

Salgado, Rodrigo and Prezzi, Monica; civil engineering, from Indiana Department of Transportation, \$214,464, "SPR 4512 – Pile Stability Analysis in Soft Soils – Guidance on Foundation Design Assumptions with Respect to Loose/Soft Soil Effects on Pile Lateral Capacity and Stability."

Samanta, Roopsha; computer science, from National Science Foundation, \$130,863, "CAREER: Robustness of Inductive Reasoning Engines (Grant 10001453 Amendment 2)."

Sanmiguel, Sandra F; Burgess, Wilella Daniels; Green, Henry W; Reed, Willie M and Zenor, Bianca N; veterinary medicine administration, Evaluation and Learning Research Center, veterinary clinical sciences, veterinary technology, from Health Resources & Services Administration, \$655,362, "Vet Up! The National HCOP Academy for Veterinary Medicine, Year 3; Grant 11000921."

Santagata, Maria Caterina; civil engineering, from Ross Graduate Fellowship-Assistantship, \$32,677, "Pajo, Bianka."

Savaiano, Dennis A; nutrition science, from Indiana University Purdue University at Indianapolis, \$10,000, "Indiana Chronic Disease Coalitions."

Savikhin, Sergei F and Slipchenko, Lyudmila V; physics & astronomy, chemistry, from DOE-ER-Basic Energy Sciences Biology, \$602,337, "Revealing Excitonic Structure and Charge Transfer in Photosynthetic Proteins by Time-Resolved Circular Dichroism Spectroscopy."

Savoie, Brett; chemical engineering, from Camille & Henry Dreyfus Foundation Inc., \$76,755, "Transfer Learning for Deep Generative Chemical Models."

Schmitt, Sara A; human development & family studies, from National Science Foundation, \$1,347,370, "Examining Causal Connections and Mechanisms Between Block Play and Mathematics."

Schoenlein, William E; biomedical engineering, from Cook Research Incorporated, \$48,642, "Pre-Clinical Evaluation Testing Agreement: Studies: CMH-EVMS, CI-CSTU/CI-FNAU, and Sentinels."

Seidl, Amanda H; Nutrition Science, from Ross Graduate Fellowship-Assistantship, \$31,668, "Cheng, Andi."

Seidl, Amanda H; Nutrition Science, from Lynn Interdisciplinary Graduate Fellowship, \$31,668, "Zhang, Yi."

Seidl, Amanda H; Nutrition Science, from Purdue University F N Andrews Fellowship, \$31,383, "Froese, Savannah L."

Seigfried-Spellar, Kathryn C and Rogers, Marcus K; computer information technology, from National Institute of Justice, \$34,504, "NIJ Research Assistantship Program: Digital Forensics and Multimedia Analysis."

Seleem, Mohamed; comparative pathobiology, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$751,315, "Repurposing Novel Selective Drugs for Treatment and Decolonization of Vancomycin Resistant Enterococci; Amendment 1; Grant 11000938."

Shen, Jie; mathematics, from Air Force Office of Scientific Research, \$127,696, "Efficient and Accurate Structure Preserving Schemes for Complex Nonlinear Systems."

Shen, Jie; mathematics, from National Science Foundation, \$93,636, "Design and Analysis of Highly Efficient Algorithms for Complex Nonlinear Systems."

Shi, Riyl; basic medicine science, from Purdue Doctoral Program, \$32,677, "Alford, Anna Kathryn."

Shi, Riyl; basic medicine science, from PHS-NIH National Institute Neurological Disorders and Stroke, \$224,642, "A Novel Enzymatic Mechanism for Removing Neurotoxic Aldehydes after Rodent Spinal Cord Injury (Grant 11000922 Amendment #1)."

Simpson, Garth J; chemistry, from National Science Foundation, \$450,000, "Nonlinear Optical Analysis of Proteins in Glasses."

Simpson, Garth J; chemistry, from National Science Foundation, \$150,000, "Phase I IUCRC Purdue: Center for Bioanalytic Metrology (CBM)."

Singh, Shweta; agricultural & biological engineering program, from National Science Foundation, \$89,997, "Collaborative Research: MRA: Scale, Space, and Time: a Unifying Approach to Aquatic Invasions."

Sintim to Vlachos

Sintim, Herman O; chemistry, from Kinarx, LLC, \$113,378, "Third Line Treatment of Drug Resistant FLT3-Positive Acute Myeloid Leukemia with a Novel FLT3 Kinase Inhibitor."

Sivasankar, Preeti Mahalakshmi; speech, language, and hearing sciences, from Purdue Doctoral Program, \$27,609, "Smith, Carolina J."

Sivasankar, Preeti Mahalakshmi and Cox, Abigail D; speech, language, and hearing sciences, comparative pathobiology, from National Institutes of Health, \$314,985, "Pathobiology and Biomechanics of Vocal Fold Dehydration (Grant 11000547)."

Smith, Aaron D; entomology, from Purdue University F N Andrews Fellowship, \$32,677, "Gearner, Olivia McMurry."

Son, Steven F; mechanical engineering, from National Aeronautics and Space Administration, \$79,000, "High-Speed Measurements of Multiple Species and Temperature in Composite Solid Propellant Flames - Morgan Ruesch, Supp 4; Grant 12000259."

Song, Xiaohui Carol and Smith, Preston M; IT Research Computing, from National Science Foundation, \$1,990,429, "Category I: Anvil - a National Composable Advanced Computational Resource for the Future of Science and Engineering."

Stanciu-Gregory, Lia A; materials engineering, from Identifysensors Biologics Corp, \$165,121, "Electrochemical Devices for the Detection of Two Analytical Targets." (a Discovery Park award - Birck Nanotechnology Center)

Stefanov, Plamen D; mathematics, from National Science Foundation, \$76,681, "Inverse Problems in PDEs and Geometry (Grant 10001561 Amendment #1)."

Stevenson, Steven A; chemistry, from National Science Foundation, \$11,068, "RUI: Selective Synthesis, Chemical Purification, and Characterization of a New Family of Nanotubular Fullerenes."

Strachan, Alejandro H and Shen, Tongtong; materials engineering, from Molecular Sciences Software Institute, \$35,104, "Polymer Crystal Structure Generator and Analysis Software (Polymerxtal)." (a Discovery Park award - Birck Nanotechnology Center)

Strimel, Greg J. and Roth, Zackary Ryan; technology, leadership & innovation, Academic Services, from VentureWell, \$5,000, "The Seal-Y Spoon."

Sundaram, Neera J; mechanical engineering, from Purdue University F N Andrews Fellowship, \$32,677, "Yuh, Madeleine, S."

Sutherland, John W; environmental & ecological engineering, from CHC Rare Earths, Inc, \$9,730, "Perform Techno-Economic Assessments (TEAs) of Sludge Processing for Ree Recovery."

Tan, Lin; computer science, from National Science Foundation, \$450,000, "SHF: Small: Differential Testing for Machine Learning Software."

Tan, Lin and Zhang, Xiangyu; computer science, from National Science Foundation, \$227,004, "SHF: Medium: Principled Co-Reasoning of Software and Natural-Language Artifacts (10001526)."

Tay, Sien Chieh; psychological sciences, from Biola University, \$225,000, "Public Expressions of Gratitude to God on Social Media."

Taylor, Lynne S; industrial and physical pharmacy, from AbbVie Inc, \$108,243, "Analytical Approaches to Evaluate Phase Separation Kinetics for Effective Formulation Development."

Telenko, Darcy E P; botany & plant pathology, from Valent U.S.A. Corporation, \$4,500, "Extension Voluntary Support."

Telenko, Darcy E P; botany & plant pathology, from Monsanto Company, \$16,400, "Extension Voluntary Support."

Thompson, Michelle S; earth, atmospheric, and planetary sciences, from National Aeronautics and Space Administration, \$45,000, "Investigating the Role of Sulfides and Fe-Oxides in the Space Weathering of Asteroidal Regoliths."

Tisdale, James E; Overholser, Brian R and Sowinski, Kevin M; pharmacy practice, from PHS-NIH National Heart, Lung & Blood Institute, \$480,533, "Novel Approaches for Minimizing Drug-Induced QT Interval Lengthening."

Titus, Michael S; materials engineering, from Purdue University F N Andrews Fellowship, \$32,677, "Mann, Thomas R."

Tomar, Vikas; aeronautics and astronautics, from University of Missouri-Columbia, \$200,000, "Integrating Multiscale Modeling and Experiments to Develop a MESO-Informed Predictive Capability for Explosives Safety and Performance; Amendment 1; Grant 13000778."

Tormoehlen, Roger L and Field, William E; agricultural & biological engineering program, from National Institute of Food & Agriculture, \$100,000, "YFSEC Instructor Training Project."

Torres Bravo, Ariana P; agricultural economics, from Agricultural Research Service, \$29,070, "Strategies and Technologies to Optimize Resources in Controlled Environment Agriculture."

Tremblay, Marissa Marie and Granger, Darryl E; earth, atmospheric & planetary sciences, from National Science Foundation, \$281,913, "Collaborative Research: Reconstructing Temperatures During the Mid-Pliocene Warm Period in the McMurdo Dry Valleys with Cosmogenic Noble Gases."

Trice, Rodney W; materials engineering, from Purdue Doctoral Program, \$32,677, "Brandt, Olivia N."

Troy, Cary D; civil engineering, from Purdue University F N Andrews Fellowship, \$34,697, "Pham, Nhu Hoang Van."

Tuinstra, Mitchell R and Telenko, Darcy E P; agronomy, botany & plant pathology, from Michigan State University, \$43,780, "Great Lakes Tar Spot Initiative."

Vacca, Andrea; agricultural & biological engineering program, from Ross Graduate Fellowship-Assistantship, \$32,677, "Lim, Kaeul."

Vacca, Andrea; agricultural & biological engineering program, from Casappa SpA, \$57,775, "Advanced Modeling of External Gear Pumps Considering Axial Compensation and Fluid Cavitation."

Van Rijn, Richard M and Gutridge, Anna M; medicinal chemistry & molecular pharmacology, from American Foundation for Pharmaceutical Education, \$10,000, "Investigation of Biased Signaling at Opioid Receptors for Improved Chronic Pain Therapeutics."

Van Rijn, Richard M; medicinal chemistry & molecular pharmacology, from PHS-NIH National Institute on Alcohol Abuse, \$338,120, "G-Protein-, Beta-Arrestin- and ERK-Signaling in Alcohol Use- and Anxiety-Disorders (Grant 11000646)."

Vlachos, Pavlos; mechanical engineering, from National Science Foundation, \$160,000, "Collaborative Research: Flying Snakes: Fluid Mechanics of Deforming Articulated Bodies."

Voyles to Zhou

Voyles, Richard M; engineering technology, from Amazon.com, \$80,000, "Multi Sponsor – Amazon Award."

Voyles, Richard M; engineering technology, from National Science Foundation, \$50,000, "I-Corps Team for Kitchen IoT"

Vyn, Tony J; agronomy, from Multi-Sponsored Industrials, \$21,500, "Voluntary Support 30001630."

Vyn, Tony J; agronomy, from Pioneer Hi-Bred International, Inc., \$10,000, "Voluntary Support."

Webb, Kevin J; electrical & computer engineering, from Sandia National Laboratories, \$15,000, "(LDRD)Computational Imaging for Intelligence in Highly Scattering Aerosols."

Weibel, Justin A; mechanical engineering, from Purdue University F N Andrews Fellowship, \$32,677, "Pai, Saeel Shrivalla."

Weiner, Andrew M and Qi, Minghao; electrical & computer engineering, from National Science Foundation, \$405,489, "High-Dimensional Frequency Gates in Integrated Photonics for Scalable Quantum Interconnects."

Wells, Ellen M; Harris, Jason T; Liu, Sa; Park, Jae Hong and Zheng, Wei; health sciences, from PHS-CDC National Institute of Occupational Safety and Health, \$150,000, "Occupational Safety and Health Training Grant."

Whelton, Andrew J; civil engineering, from Purdue University F N Andrews Fellowship, \$32,677, "Montagnino, Elizabeth Sarah."

Williams, Rod N; forestry & natural resources, from Madison County Swcd, \$200, "Voluntary Support."

Wirth, Mary J; chemistry, from National Institutes of Health, \$290,837, "Sub-1 um Particles for nanoLCMS of Intact Proteins; Amendment 3; Grant #11000623."

Woodcox, Stephanie G; health and human sciences administration, from Substance Abuse and Mental Health Services Administration, \$517,653, "Opioids/Stimulant Misuse Training and Education Outreach Project."

Wu, Wenzhuo; industrial engineering, from National Science Foundation, \$240,000, "Collaborative Research: Tellurene Mid-Infrared Integrated Photonics."

Xu, Dongyan; computer science, from Mitre Corporation, \$75,000, "CERIAS Voluntary Support."

Youngblood, Jeffrey P; materials engineering, from Oregon State University, \$22,609, "Examining the Utilization of Cellulose Nanocrystals to Reduce the Carbon Footprint of Concrete."

Yu, Wenbin; aeronautics and astronautics, from Army Engineer Research & Development Center, \$299,999, "Efficient High-Fidelity Framework for Structural Design and Optimization of Composite Lifting Bodies."

Zavattieri, Pablo D; civil engineering, from Purdue University F N Andrews Fellowship, \$32,677, "Connolly, John Michael."

Zhang, Chunhua; botany & plant pathology, from National Science Foundation, \$322,362, "The Catalytic Activity and Subcellular Trafficking of Plant Cellulose Synthase Complexes."

Zhao, Lan; IT Research Computing, from University of Utah, \$31,349, "ABI Development: Origin: Origin Inference from Geospatial Isotope Networks."

Zheng, Wei and Nie, Linda H; health sciences, from PHS-NIH National Institute of Environment Health Science, \$429,468, "Lead Exposure and Beta-Amyloid Transport by Brain Barriers (Grant 11000636)."

Zhou, Chenn Qian; mechanical & civil engineering, from NLMK Indiana, \$50,000, "Steel Manufacturing Visualization and Simulation Consortium (SMVSC) Membership."

Zhou, Qi; physics & astronomy, from Air Force Office of Scientific Research, \$140,788, "New Quantum States in Synthetic Curved Spaces and Non-Orientable Manifolds."

Zhou, Qi; industrial and physical pharmacy, from Merck Sharp & Dohme Corp, \$50,000, "Effect of Excipients on Stability of Spray Dried Protein Formulations."

Zhou, Yun; botany & plant pathology, from Ross Graduate Fellowship-Assistantship, \$31,668, "Yang, Xi." ■

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. ■