

DIMENSIONS *of* DISCOVERY

Sponsored Program Awards

June 2016

Adeola to Bogdanor

Adeola, Olayiwola; animal sciences, from DSM Nutritional Products, Inc., \$92,000, "Effect of Xylanase and Galactosidase Enzymes in Broiler Diets."

Agnew, Christopher R; psychological science, from Purdue University F N Andrews Fellowship, \$18,487, "Rague, Lisa."

Agnew, Christopher R; psychological science, from Ross Graduate Fellowship/Assistantship, \$18,487, "Hildebrand, Laura."

Aime, Mary C; botany & plant pathology, from Winifred B. Bilsland Endowment, \$10,246, "Koch, Rachel A."

Alexeenko, Alina; aeronautical & astronautical engineering, from Baxter Medical Products R & D, \$10,000, "Lyohub Consortium."

Alexeenko, Alina; aeronautical & astronautical engineering, from SP Scientific Industries, \$10,000, "Lyohub Consortium."

Almanza, Barbara A; hospitality & tourism, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grants."

Anderson, William E; aeronautical & astronautical engineering, from Inspace, LLC, \$88,920, "Combustion Stability Measurement and Prediction."

Ardekani, Arezoo M; mechanical engineering, from Purdue University F N Andrews Fellowship, \$31,675, "Zhang, Yuchen."

Bahr, David F; materials engineering, from Purdue Doctoral Program, \$31,675, "Clarkson, Caitlyn."

Bahr, David F; materials engineering, from Purdue University F N Andrews Fellowship, \$31,675, "Heflin, Diana."

Bahr, David F; materials engineering, from Chappelle, \$21,188, "Helfrecht, Benjamin A."

Bahr, David F; materials engineering, from National Science Foundation, \$1,260, "Collaborative Proposal: Workshop: Training the Trainers in Pre-Research Coursework."

Bahr, David F; materials engineering, from Purdue Doctoral Program, \$31,675, "Kedir, Nesredin."

Bayley, William G; chemistry, from South Putnam Community School Corp, \$300, "Instrumentation Van Project."

Bayley, William G; chemistry, from Tippecanoe School Corporation, \$1,000, "Instrumentation Van Project."

Beaman, Jean M; sociology, from Purdue University, \$10,400, "FY 16-17 Purdue Research Foundation (PRF) Summer Faculty Grant."

Beamon, Yolanda H; Education Opportunities Program — Calumet campus, from Indiana Department of Education, \$16,720, "Indiana Department of Education Summer Food Service Program."

Beaudoin, Stephen P and Boudouris, Bryan W; chemical engineering, from Navy Engineering Logistics Office, \$73,114, "Design and Fabrication of Superior, Mechanically-Robust Polymeric Swabs for Optimized Contact-Based Explosives; Modification 3 for Grant 107202."

Beaulieu, Lionel J; Office of Engagement, from Cummins, Inc., \$5,000, "Multi-Sponsored Account (Purdue Center for Regional Development [PCRD])."

Benjamin, Tamara J; Burniske, Gary R; Wilcox, Michael D; Abbott, Philip C and Stuart, Jeffrey J; horticulture & landscape architecture, earth & atmospheric sciences, agriculture - administration, agricultural economics, entomology, from Foreign Agricultural Service, \$162,741, "Gaining a Better Understanding of the Colombian Cacao Supply Chain."

Bertolet, Rodney J; philosophy, from Purdue University F N Andrews Fellowship, \$19,188, "Wilson, Luke W."

Bertolet, Rodney J; philosophy, from Purdue University F N Andrews Fellowship, \$21,188, "Linford, Daniel J."

Blankenship, Bonnie T; health & kinesiology, from Indiana Department of Education, \$89,907, "Purdue Athletes Life Success (PALS)."

Bobet, Antonio and Haikal, Ghadir; civil engineering, from Indiana Department of Transportation, \$74,500, "Assessment of Pipe Fill Heights."

Bobet, Antonio; civil engineering, from Indiana Department of Transportation, \$125,000, "Correlation Between Resilience Modulus (MR) of Soil, Light Weight Deflectometer, and Falling Weight Deflectometer (FWD)."

Bofferding, Laura C; curriculum & instruction, from Purdue University, \$29,130, "FY 16-17 Purdue Research Foundation (PRF) Research Grants."

Bogdanor, Michael J; Sharp, Nathan D and Tang, Tian; Composites Manufacturing and Simulations Center, from Nexteer, \$7,600, "Optimization of Composite Part Design for Automotive Applications."

Bouman to Chang

Bouman, Charles A; electrical & computer engineering, from Showalter Trust, \$60,000, "Showalter Professorship 2016."

Bowman, Mark D; civil engineering, from Chappelle, \$21,188, "Wang, April."

Brady, Colleen M; youth development & agricultural education, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Braun, James E; mechanical engineering, from Emerson Climate Technologies, \$50,000, "Center for High Performance Buildings Membership Agreement - Emerson Climate Technologies."

Brightman, Andrew O; biomedical engineering, from Purdue Doctoral Program, \$31,675, "Berman, Alycia G."

Buhman, Kimberly K; foods & nutrition, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grants."

Buhman, Kimberly K; foods & nutrition, from Purdue University, \$73,000, "Buhman- Provost Equipment Grant 16-17."

Byrn, Stephen R; industrial & physical pharmacy, from Winifred B. Bilsland Endowment, \$8,966, "Nie, Haichen."

Caffee, Marc W; physics, from National Aeronautics and Space Administration, \$115,000, "Radionuclides as Probes of Solar System Processes: Development of Ams Techniques for Their Measurement in Returned Samples."

Caldwell, Barrett S and Johnson, Mary E; industrial engineering, aviation technology, from Federal Aviation Administration, \$434,953, "Project #4: Weather Technology in the Cockpit Program."

Caldwell, Barrett S; industrial engineering, from National Aeronautics and Space Administration, \$199,997, "Usip Indiana Space Grant Consortium (INSGC): Undergraduate Nano Ionospheric Temperature Explorer (Unite)."

Calve, Sarah and Kinzer-Ursem, Tamara L; biomedical engineering, from PHS-NIH National Institute of Arthritis and Musculoskeletal and Skin Diseases, \$160,387, "Bioorthogonal Labeling of Extracellular Matrix Assembly."

Calve, Sarah and Panitch, Alyssa; biomedical engineering, Office of the Provost Reserves, from Showalter Trust, \$74,622, "Design of 3-D Hydrogels for the Treatment of Volumetric Muscle Loss."

Camberato, James J; agronomy, from John Deere Agricultural US, \$10,000, "Multi-Sponsored."

Cannon, Jason R and Rochet, Jean-Christophe; health sciences, medicinal chemistry & molecular pharmacology, from PHS-NIH National Institute of Environment Health Science, \$333,514, "Mechanisms of Phip-Induced Dopaminergic Neurotoxicity."

Cannon, Jason R; health sciences, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grants."

Cappelleri, David J; mechanical engineering, from KCF Technologies Inc, \$70,000, "Universal Open Power, Communications, and Control for Lower Extremity Prostheses."

Casteel, Shaun N; agronomy, from Indiana Soybean Alliance, \$54,058, "Optimizing Yield and Quality of High-Oleic Soybeans."

Casteel, Shaun N; agronomy, from Valent U.S.A. Corporation, \$7,500, "Soybean Extension Research."

Casteel, Shaun N; agronomy, from Honeywell International Foundation Incor, \$8,000, "Soybean Extension Research."

Casteel, Shaun N; agronomy, from National Crop Insurance Service, \$10,000, "Soybean Extension Research."

Chandramouli, Chandramouli V; mechanical engineering — Calumet campus, from Town of Cedar Lake, \$3,600, "Small Grant Support to Help the Town of Cedar Lake ARC GIS Documentation and Related Field Work."

Chandramouli, Chandramouli V; mechanical engineering — Calumet campus, from Town of Dyer, \$1,800, "Small Grant Support to Help the Town of Dyer Storm Water Board ARC GIS Documentation and Related Field Work."

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$10,000, "FY 17 Anna Yoder Memorial Fund."

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$5,000, "FY17 Indiana University School of Medicine (IUSM) -Fort Wayne Program Development Fund."

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$25,000, "FY17 Indiana University School of Medicine (IUSM) - Fort Wayne Research Fund."

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$45,000, "FY Indiana University School of Medicine (IUSM) - Fort Wayne Dr. Leslie Hoffman Start-Up Fund."

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$10,000, "FY16-17 Indiana University School of Medicine (IUSM) - Fort Wayne Life Cycle Fund."

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$25,000, "FY 17 Indiana University School of Medicine (IUSM) - Fort Wayne Equipment Fund."

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$10,000, "FY2016-17 CNS Tissue Bank Fund."

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$21,714, "FY16-17 Indiana University School of Medicine (IUSM) - Fort Wayne Student Technology Fund."

Chang to Duerstock

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$90,000, “FY16-17 Indiana University School of Medicine (IUSM) - Fort Wayne Host Campus Fees.”

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$900,000, “FY16-17 Indiana University School of Medicine (IUSM) - Fort Wayne General Fund.”

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$21,714, “FY16-17 Indiana University School of Medicine (IUSM) - Fort Wayne Student Activity Fund.”

Chen, Qingyan; mechanical engineering, from Winifred B. Bilsland Endowment, \$20,188, “Liu, Wei.”

Chen, Weinong W; aeronautical & astronautical engineering, from Procter & Gamble Company, \$139,127, “High Strain Rate Characterization of P&G Materials.”

Chen, Yingjie; computer graphics technology, from Purdue University, \$18,107, “Chen- Provost Equipment Grant.”

Chen, Yingjie; computer graphics technology, from Eli Lilly and Company, \$39,000, “Patients Journey: a Visual Analytics Approach to Study Co-Morbidities Development from Diabetes.”

Christ, Sharon L; child development & family studies, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grants.”

Clark, Ann M; political science, from Purdue University, \$28,383, “1516 Purdue Research Foundation (PRF) Grant.”

Clawson, Rosalee A; political science, from Purdue University F N Andrews Fellowship, \$21,188, “Jeff, Janel E.”

Claxton, Laura J; health & kinesiology, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grants.”

Connor, Robert J; civil engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Schroeder, Curtis.”

Cooks, Robert G; chemistry, from Purdue University, \$9,980, “Shotgun Metabolomics for Prodromal Parkinson’s Disease Biomarker Screening Using Neutral Loss and Precursor Ion Scans.” (a Discovery Park award — Bindley Bioscience Center)

Cooks, Robert G; chemistry, from National Aeronautics and Space Administration, \$161,922, “New Scan Modes in Ion Trap Mass Spectrometers for Planetary Exploration.”

Crossley, William A; Johnson, Mary E and Marais, Karen; aeronautical & astronautical engineering, aviation technology, from Federal Aviation Administration, \$170,689, “Partnership to Enhance General Aviation Safety, Accessibility, and Sustainability (PEGASAS).”

Davisson, Vincent J; medicinal chemistry & molecular pharmacology, from Purdue University, \$104,908, “Biomek Cell Workstation for Pharmaceutical Sciences Research.”

Dehr, Karol A; Lee, Cheu-Jey G and Springer, Terryl G; english & linguistics— Fort Wayne campus, educational studies— Fort Wayne campus, from National Writing Project, \$15,000, “2016-2017 NWP Appleseed Invitational Summer Institute.”

DeLaurentis, Daniel A and Gunderson, Michael A; aeronautical & astronautical engineering, agricultural economics, from Deere & Company, \$10,000, “Systems and Solutions Innovation for John Deere; Amendment 2.”

DeLaurentis, Daniel A; aeronautical & astronautical engineering, from Stevens Institute of Technology, \$130,569, “Investigating Approaches to Achieve Modularity Benefits in the Acquisition Ecosystem.”

DeLaurentis, Daniel A; Dumbacher, Daniel L; Grant, Michael J and Howell, Kathleen; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$96,876, “Characterizing Mission and System Architecture via Analysis of Operational and Developmental Interdependencies.”

Deng, Meng; agricultural & biological engineering, from Purdue Doctoral Program, \$31,675, “Lengemann, Paul.”

Deng, Meng; agricultural & biological engineering, from Purdue Doctoral Program, \$31,675, “Zuponic, Jessica.”

Deng, Qing; Staiger, Christopher J and Suter, Daniel M; biological sciences, from Showalter Trust, \$75,000, “Mechanisms of Mitochondria-Regulated Neutrophil Motility in Vivo.”

Dietz, James E; computer & information technology, from General Motors Corp, \$99,000, “General Motors Corp.”

Dillman, Brian G; aviation technology, from Federal Aviation Administration, \$8,184, “Project #14: Midpoint Runway Marking.”

Doudareva, Natalia; biochemistry, from Michigan State University, \$249,434, “Evolution of Specialized Metabolite Biosynthetic Pathways in the Lamiaceae: Sources of Chemical Diversity for Molecules Essential for Human Use and Plant Defense, Amendment 2; (Grant 107805).”

Doudareva, Natalia; biochemistry, from Purdue University, \$229,894, “Doudareva- Provost Equipment Grant.”

Drenan, Ryan M; medicinal chemistry & molecular pharmacology, from Phrma Foundation, \$40,000, “Structural Plasticity of Dendritic spines in Nicotine Dependence-Fellowship for Matthew Arvin.”

Duerstock, Bradley S; Wachs, Juan P and Takahashi, George; industrial engineering, academic technologies, from Indiana Clinical & Translational Science Institute, \$159,990, “Adaptive Vr-Based Gesture Recognition System for Improved Rehabilitation of Quadriplegics Due to Spinal Cord Injury.”

Dunning to Friedman

Dunning, John B; forestry & natural resources, from U.S. Forest Service, \$26,901, “Breeding Bird Surveys, Hoosier National Forest - 2016.”

Duvall, John N; English, from Johns Hopkins University, \$14,331, “Journal of Modern Fiction Studies.”

Dyke, Shirley J; mechanical engineering, from Purdue Doctoral Program, \$31,675, “Wilbee, Alana.”

Eckhardt, Christopher I; psychological science, from Georgia State University, \$265,000, “Mechanisms of Alcohol-Facilitated Intimate Partner Violence.”

Egel, Daniel S; botany & plant pathology, from Backscheider, Kelly, \$250, “Potassium Management.”

El Gamal, Ali; electrical & computer engineering, from Huawei Technologies, \$51,300, “Gift Letter in Support of Xhaul for Dynamic Interference Management.”

Elliott, Stephen J and Oconnor, Kevin J; industrial technology, from American National Standards Institute, \$9,000, “ANSI- JTC 1 Support.”

Engel, Bernard A; agricultural & biological engineering, from Agricultural Research Service, \$12,667, “Implementation of the Wepp Model and Risk Assessment Under Current and Future Climates.”

Engelberth, Abigail S; agricultural & biological engineering, from Indiana Soybean Alliance, \$50,922, “Exploration into the Use of High Oleic Acid Soybean Oil to Clean Sour Methane Gas.”

Engelberth, Abigail S and Ximenes, Eduardo A; agricultural & biological engineering, from Showalter Trust, \$75,000, “Biologically Mediated Concentration and Recovery of Metals.”

Farkas, Brian E; food science, from Infinity Process Central Group, \$12,000, “Multi-Sponsored Gift.”

Federer, Natalie L; field extension agents, from Fulton County REMC Op Roundup, \$750, “Plant a Seed to Serve a Need.”

Feikes, David J; Warren, Aaron R and Pratt, David M; education, physics — North Central campus, education — North Central campus, from Indiana Department of Education, \$75,000, “Conceptual Algebra Readiness with Engineering and Science (CARES).”

Ferraro, Kenneth F; sociology, from Purdue University F N Andrews Fellowship, \$30,671, “Williams, Monica M.”

Ferraro, Kenneth F; sociology, from Winifred B. Bilsland Endowment, \$21,188, “Jung, Jong H.”

Ferruzzi, Mario; Hamaker, Bruce R and Mattes, Richard D; food science, foods & nutrition, from Alliance for Potato Research and Education, \$175,000, “Investigating the Impact of Phenolic-Carbohydrate Interactions on GI Transit and Glucose Response.”

Field, William E; agricultural & biological engineering, from Laporte Co. Farm Bureau, Inc, \$606, “Breaking New Ground.”

Field, William E; agricultural & biological engineering, from Goodwill of the Finger Lakes, \$5,500, “Breaking New Ground.”

Field, William E; agricultural & biological engineering, from First Farmers Bank & Trust, \$1,100, “Breaking New Ground.”

Figueiredo, Marxa L; Main, Russell P and Panitch, Alyssa; basic medical science, Office of the Provost Reserves, from Showalter Trust, \$72,439, “Targeted Chondrogenic Nanoparticles for Promoting Endogenous Joint Repair in Osteoarthritis.”

Figueiredo, Marxa L; basic medical science, from PHS-NIH National Cancer Institute, \$361,974, “Disrupting Tumor/Bone Malignant Interactions with Multifunctional Cytokine Sonodelivery.”

Finley, John P; physics, from Purdue University F N Andrews Fellowship, \$18,487, “Bian, Teng.”

Finley, John P; physics, from Purdue University F N Andrews Fellowship, \$18,487, “Lyu, Changyuan.”

Fisher, Timothy; mechanical engineering, from Rolls-Royce Corporation, \$100,000, “Integrated Thermal Management of Aerospace Vehicles Consortium Membership.”

Fisher, Timothy; mechanical engineering, from Raytheon, \$10,000, “RMS Hybrid Heat Spreader Testing at Air Force Research Laboratory (AFRL).” (a Discovery Park award — Birck Nanotechnology Center)

Flaherty, Daniel P and Das, Chittaranjan; medicinal chemistry & molecular pharmacology, chemistry, from Showalter Trust, \$75,000, “Discovery of Novel Inhibitors for Ubiquitin C-Terminal Hydrolase 1 (UCHL1).”

Flaherty, Elizabeth A; forestry & natural resources, from Ross Graduate Fellowship/Assistantship, \$28,963, “Quinby, Brandon M.”

Foster, Kenneth A; agricultural economics, from Purdue University F N Andrews Fellowship, \$28,963, “Mcclain, William.”

Fouche, Rayvon D; interdisciplinary studies, from Lynn Interdisciplinary Graduate Fellowship, \$2,799, “Armentrout, Katie J.”

Fouche, Rayvon D; interdisciplinary studies, from George Washington Carver Fellowship, \$22,818, “Webb, Naemah A.”

Fouche, Rayvon D; interdisciplinary studies, from Lynn Interdisciplinary Graduate Fellowship, \$2,799, “Bonini, Rachel.”

Fouche, Rayvon D; interdisciplinary studies, from Lynn Interdisciplinary Graduate Fellowship, \$2,799, “Angermann, Sascha.”

Freeman, Jennifer L; health sciences, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grants.”

Friedman, Elliot M; Mroczek, Daniel K and Christ, Sharon L; child development & family studies, from PHS-NIH National Institute on Aging, \$241,580, “Living Well with Later Life Multimorbidity: A Biopsychosocial Approach.”

Frisbee to Guan

Frisbee, Marty D; earth & atmospheric sciences, from Purdue Doctoral Program, \$30,420, “Meyers, Zachary.”

Gabin, Nancy F; history, from Purdue University, \$29,130, “FY 16-17 Purdue Research Foundation (PRF) Research Grants.”

Gaesser, Amy H; educational studies, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grants.”

Gallant, Kathleen H; foods & nutrition, from Showalter Trust, \$75,000, “Effect of Renal Function on Intestinal Phosphorus Absorption in Chronic Kidney Disease-Mineral Bone Disorder in Rats.”

Garimella, Suresh V; mechanical engineering, from DuPont Central Research & Development, \$7,500, “Cooling Technologies Research Center (CTRC) 2012-2013 Membership - Memo Match for 106029.”

Garimella, Suresh V; mechanical engineering, from Apple Inc, \$30,000, “Cooling Technologies Research Center (CTRC) 2012-2013 Membership - Memo Match for 106029.”

Garimella, Suresh V; mechanical engineering, from National Aeronautics and Space Administration, \$40,000, “K. Nielsen - 2013 NSTRF - Molecular Dynamic Simulation of High Thermal Conductivity Synthetic Spider Silk.”

Gaskill, Brianna N and Ohaire, Marguerite E; comparative pathobiology, from American Association for Lab Animal Science, \$21,000, “Development of an Efficient and Effective Protocol for Playfully Handling Rats.”

Gaskill, Brianna N; comparative pathobiology, from Purdue University F N Andrews Fellowship, \$31,173, “Lafollette, Megan R.”

Gavin, Timothy P; health & kinesiology, from Purdue University F N Andrews Fellowship, \$28,457, “Kim, Kyoungrae.”

Gerber, Corey K; agronomy, from Pioneer Hi-Bred International, Inc., \$4,375, “Crop Diagnostic Training and Research Center.”

Gerber, Corey K; agronomy, from Indiana Certified Crop Advisors, \$4,688, “Crop Diagnostic Training and Research Center.”

Gerber, Corey K; agronomy, from Weaver Popcorn Company, \$3,125, “Crop Diagnostic Training and Research Center.”

Gilpin, Christopher J; horticulture & landscape architecture, from The University of Texas Southwestern Medical Center at Dallas, \$19,222, “Prune Belly Syndrome.”

Gitau, Margaret W; agricultural & biological engineering, from Purdue Doctoral Program, \$31,675, “Mijares, Valeria.”

Gkritza, Konstantina and Fricker, Jon D; civil engineering, from Indiana Department of Transportation, \$35,500, “Economic Development Impact of Corridor Improvements-SPR 3912.”

Gkritza, Konstantina; civil engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Ke, Yue.”

Gleich, David F; computer science, from Stanford University, \$28,500, “MINER: Multimodal Networks: a General Representational Language Applied to Bio-Medical Hypothesis Generation and Validation, Amendment 4; (Grant 107796).”

Gleich, David F; computer science, from Alfred P. Sloan Foundation, \$55,000, “Sloan Research Fellowship Award.”

Gleich, David F; Grama, Ananth Y and Sameh, Ahmed H; computer science, from U.S. Department of Energy, \$241,029, “Fault Oblivious Computations.”

Goergen, Craig J; biomedical engineering, from Showalter Trust, \$72,439, “Vibrational Photoacoustic Tomography for Breast Tumor Margin Assessment.”

Goergen, Craig J; biomedical engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Acuna, Andrea.”

Goergen, Craig J; biomedical engineering, from Chappelle, \$17,657, “Adelsperger, Amelia R.”

Goergen, Craig J; biomedical engineering, from Virginia Technology, \$45,000, “A New Hypothesis for Cardio-Respiratory Mechanics in Insects.”

Goni Cortes, Joaquin; industrial engineering, from Indiana University Purdue University at Indianapolis, \$8,207, “Brain Connectomics in Schizophrenia.”

Gowher, Humaira; Irudayaraj, Joseph M and Yuan, Chongli; biochemistry, agricultural & biological engineering, chemical engineering, from Showalter Trust, \$75,000, “Molecular Mechanism of a Highly Prevalent Dnmt3a Mutation in Acute Myeloid Leukemia.”

Gray, Nicholas W; diversity and multicultural affairs — Fort Wayne campus, from Indiana Department of Education, \$12,250, “2016 Indiana University-Purdue University Fort Wayne (IPFW) Upward Bound Summer Food Service Program.”

Greeley, Jeffrey P; chemical engineering, from U.S. Department of Energy, \$75,000, “Interfacial Electrocatalytic Processes from First Principles.”

Gruenbaum, Ellen R; anthropology, from Purdue Doctoral Program, \$19,188, “Carrillo, Erika.”

Gruenbaum, Ellen R; anthropology, from Purdue University F N Andrews Fellowship, \$19,188, “Sanders, Kaitlyn E.”

Gruenbaum, Ellen R; anthropology, from Purdue University F N Andrews Fellowship, \$21,188, “Torguato, Melissa G.”

Guan, Wenjing; horticulture & landscape architecture, from Hazera Seeds USA Inc, \$1,200, “Chris Gunter General Research Activities.”

Guan, Wenjing; horticulture & landscape architecture, from Valent U.S.A. Corporation, \$3,000, “Chris Gunter General Research Activities.”

Guptill-Yoran to Hountz

Guptill-Yoran, Carolyn F and **Seleem, Mohamed**; veterinary clinical science, comparative pathobiology, from Purdue University, \$53,070, “Research Refresh Award: Innovative Approaches to the Treatment of Chronic Bartonella Infections.”

Guzey, Siddika; Ayres, Drew C; Bryan, Lynn A; Ryu, Min-jung and **Asunda, Paul A**; curriculum & instruction, college of technology - administration, industrial technology, from Indiana Department of Education, \$103,406, “A New Msp Partnership to Improve Science, Technology, Engineering & Mathematics (STEM) Integration in Indiana.”

Habib, Ayman F; civil engineering, from Winifred B. Bilsland Endowment, \$20,188, “He, Fangning.”

Haddad, Jeffrey M; health & kinesiology, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grants.”

Haddock, John E; civil engineering, from Indiana Soybean Alliance, \$147,953, “Soybean-Based Asphalt Rejuvenation (Phase II).”

Hamaker, Bruce R; food science, from Purdue University F N Andrews Fellowship, \$18,116, “Meehl, Joel T.”

Handwerker, Carol A; Blendell, John E and **Subbarayan-Shastri, Ganesh**; materials engineering, mechanical engineering, from Missile Defense Agency, \$364,206, “Reliability Risk Management of Gold Contaminated Tin-Lead and Lead-Free Solder Joints in Military Electronics.”

Harris, Jason T and **Garner, Allen L**; health sciences, nuclear engineering, from Nuclear Regulatory Commission, \$194,400, “Nuclear Engineering and Health Sciences Scholarship Program at Purdue University.”

Hassanein, Ahmed; nuclear engineering, from Purdue Doctoral Program, \$31,675, “Watkins, Norris W.”

Heckaman, Kelly L; field extension agents, from Indiana State Department of Agriculture, \$2,000, “Indiana 4-H Dairy Youth Leadership Academy.”

Heeg, Marlene O; pharmacy — administration, from Ucb, Inc., \$10,000, “2016 Inflammatory Bowel Disease Advances National Educational Series”

Heeg, Marlene O; pharmacy — administration, from Abbvie Inc, \$200,000, “2016 Arthros City Rounds Series.”

Heeg, Marlene O; pharmacy — administration, from Sanofi-Aventis, \$10,000, “2016 Arthros City Rounds Series.”

Heeg, Marlene O; pharmacy — administration, from Avanir Pharmaceuticals Information Services, \$75,000, “Evidence in Practice: the Evolving Migraine Paradigm.”

Heeg, Marlene O; pharmacy — administration, from Indivior Inc, \$10,000, “Opioid Use Disorder.”

Heeg, Marlene O; pharmacy — administration, from Ferring Pharmaceuticals Inc, \$10,000, “Peerview Inclinic Curriculum, Applying the Latest Evidence and Recommendations to Deliver Interdisciplinary, Patient-Centered Care to Patients with castrate-Resistant Prostate Cancer in the Veterans.”

Heinz, Michael G; speech, language and hearing sciences, from Purdue University, \$9,630, “Connecting Laboratory and Clinical Auditory Neuroscience at Purdue: Non-Invasive Assays of Cochlear Synaptopathy.”

Heinz, Michael G; speech, language and hearing sciences, from Purdue University, \$217,514, “Heinz- Provost Equipment Grant 16-17.”

Helie, Sebastien; Foti, Daniel J and **Siskind, Jeffrey M**; psychological science, electrical & computer engineering, from Purdue University, \$8,000, “Purdue Institute for Integrative Neuroscience: Request for Funds.”

Henry, Madeleine M; foreign language & literature, from Purdue University F N Andrews Fellowship, \$21,188, “De Ramon Ruiz, Jose L.”

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

Hertel, Thomas W; agricultural economics, from Sumitomo Bank, Limited, \$20,435, “Global Trade Analysis Project (GTAP) Consortium.”

Hertel, Thomas W; agricultural economics, from Massachusetts Institute of Technology, \$20,435, “Global Trade Analysis Project (GTAP) Consortium.”

Hockerman, Gregory H; medicinal chemistry & molecular pharmacology, from Winifred B. Bilsland Endowment, \$14,871, “Pratt, Evan P.”

Horgan, Briony H; earth & atmospheric sciences, from Purdue University F N Andrews Fellowship, \$28,376, “Scudder, Noel.”

Horgan, Briony H; earth & atmospheric sciences, from Jet Propulsion Laboratory, \$50,000, “Using Composition to Constrain Paleoenvironments and Sites of Organic Preservation in Gale Crater.”

Hountz, Randall A; Technical Assistance Program, from Adams Health Network, \$4,650, “Multi-Sponsor HTAP” (a Discovery Park award — Regenstrief Center for Healthcare Engineering)

Hountz, Randall A; Technical Assistance Program, from Regional Mental Health Center, \$5,000, “Multi-Sponsor HTAP” (a Discovery Park award — Regenstrief Center for Healthcare Engineering)

Hountz, Randall A; Technical Assistance Program, from Adams Health Network, \$4,650, “Multi-Sponsor HTAP” (a Discovery Park award — Regenstrief Center for Healthcare Engineering)

Hountz to Key

Hountz, Randall A; Technical Assistance Program, from St. Vincent Hospital & Healthcare Center, \$4,650, “Multi-Sponsor HTAP” (a Discovery Park award — Regenstrief Center for Healthcare Engineering)

Hountz, Randall A; Technical Assistance Program, from Harrison County Hospital, \$4,560, “Multi-Sponsor HTAP” (a Discovery Park award — Regenstrief Center for Healthcare Engineering)

Howarter, John A; materials engineering, from Purdue University, \$10,400, “FY1617 Purdue Research Foundation (PRF) SFG (Summer Faculty Grant).”

Howell, Kathleen; aeronautical & astronautical engineering, from Air Force Research Laboratory, \$125,348, “Spacecraft Formations: Autonomous Guidance and Control Based on Artificial Potential Functions.”

Huang, Fang; biomedical engineering, from Purdue University, \$10,000, “Microfluidic Device Based High-Throughput Super-Resolution Imaging.”

Huang, Jen-Yi; food science, from Ross Graduate Fellowship/Assistantship, \$28,963, “Zhang, Yizhe.”

Huber, Jessica E; speech, language and hearing sciences, from Speechvive, \$114,248, “Development of Telemedicine for Speechvive.”

Hudmon, Karen S; pharmacy practice, from PHS-NIH National Cancer Institute, \$325,829, “Standardized Patients to Assess Competency in Tobacco Cessation Counseling.”

Hurt, R D; history, from Winifred B. Bilsland Endowment, \$21,188, “Schownir, Matthew A.”

Hynes, Morgan M; engineering education, from National Science Foundation, \$50,000, “Faculty Early Career Development (CAREER): Broadening Contexts to Broaden Participation in Engineering.”

Hystad, Grethe; mathematics, computer science & statistics — Calumet campus, from Carnegie Institution of Washington, \$20,000, “Analysis of Errors in Lnre Models as Applied to Mineral Distributions.”

Irazoqui, Pedro and Ward, Matthew P; biomedical engineering, from Glaxo Smith Kline, \$1,000,000, “GSK Innovation Challenge: Closed-Loop Neuromodulation of Urinary Incontinence.”

Iyer-Pascuzzi, Anjali; botany & plant pathology, from Ross Graduate Fellowship/Assistantship, \$28,457, “Harrington, Emily.”

Jacobs, Douglass F; forestry & natural resources, from Banks Hardwoods Inc, \$2,500, “Voluntary Support - American Chestnut.”

Jacobs, Douglass F; forestry & natural resources, from Ross Graduate Fellowship/Assistantship, \$28,963, “Brennan, Andrea N.”

Janaswamy, Srinivas; food science, from Purdue Doctoral Program, \$31,675, “Jensen, Alexander.”

Jiang, Yi; building construction & management technology, from Indiana Department of Transportation, \$99,825, “Maximum Allowable Deflection by Light Weight Deflectometer and its Calibration and Verification.”

Jiang, Yiwei; agronomy, from Midwest Regional Turf Foundation, \$1,500, “Turf Physiology.”

Jiao, Dan and Chen, Zhihong; electrical & computer engineering, from National Science Foundation, \$450,000, “Software and Hardware Foundations (SHF): Small: Multiphysics Simulation Algorithms and Experimental Methods for the Development of Cu/Graphene/Tmd Hybrid Interconnect Solution.”

Johnson, Carla J and Guzey, Siddika; education - administration, curriculum & instruction, from Indiana Department of Education, \$129,576, “Avon-Purdue Math and Science Partnership Program.”

Johnson, Carla J; Technical Assistance Program, from School Science and Mathematics Association, \$41,600, “School Science and Mathematics Association Journal.”

Johnson, Carla J; education - administration, from Battelle Memorial Institute, \$89,000, “Battelle - Army Educational Outreach Program Cooperative Agreement.”

Johnson, Natalie A; engineering, mathematics & science — Calumet campus, from Alliance for the Great Lakes, \$20,486, “Securing Public Support for Green Infrastructure Implementation in Michigan City.”

Johnson, William G; botany & plant pathology, from Valent U.S.A. Corporation, \$23,500, “Weed Science Research Voluntary Support.”

Johnson, William G and Young, Bryan G; botany & plant pathology, from Monsanto Company, \$18,900, “Monsanto SO29.”

Johnston, Cliff T; agronomy, from Pioneer Oil Company, \$5,100, “Enhanced Oil Recovery Lab Director (Cliff Johnston).”

Jones, Owen G; food science, from Purdue University F N Andrews Fellowship, \$28,376, “Cheng, Christopher J.”

Jordan, G L; Barron, John M and Mumford, Kevin; management, economics, from Veterinary Pet Insurance, \$48,400, “Veterinary Insurance Data Analysis.”

Jordan, Mark A; biology — Fort Wayne campus, from Indiana Academy of Science, \$2,511, “Utilizing Environmental DNA (Edna) for the Detection of the Eastern Massasauga (Sistrurus Catenatus).”

Key, Nicole L; mechanical engineering, from Rolls-Royce, Inc., \$50,000, “Investigation of Asymmetric Stator Configurations on Rotor Forced Response.”

Kim to Lechtenburg

Kim, Hye-Ji; horticulture & landscape architecture, from Higher Education Commission Pakistan, \$3,500, "Bench Fee for Sustainable Horticulture Crop Production; Abdul Manan Saleem."

Kim, Young L; biomedical engineering, from Samsung Electronics Co., Ltd, \$80,000, "Development of Bioimagers for Glucose Monitoring."

Kinzer-Ursem, Tamara L and **Thompson, David H**; biomedical engineering, chemistry, from National Institutes of Health, \$182,464, "Protein Tagging for High Resolution Structural Analysis of Synaptic Protein Complexes Using Clickable Cryoem Grids."

Kirkpatrick, Jane M; nursing, from Chappelle, \$21,188, "Alvar, Caitlyn."

Kissinger, Candice B; chemistry, from Winifred B. Bilsland Endowment, \$21,462, "Kiernicki, John J."

Kissinger, Candice B; chemistry, from Winifred B. Bilsland Endowment, \$10,609, "Arrington, Justine V."

Kladivko, Eileen J; agronomy, from Iowa State University, \$98,054, "Climate Change, Mitigation, and Adaptation in Corn-Based Cropping Systems."

Kladivko, Eileen J; agronomy, from Indiana Soybean Alliance, \$78,684, "Cover Crops for Soil Health and Resilient Agricultural Systems."

Klimeck, Gerhard; electrical & computer engineering, from University of Wisconsin-Madison, \$22,424, "Nsolid State Quantum Computing Using Spin Qubits in Silicon Quantum Dots; Amendment 10 (Grant 106249)."

Klimeck, Gerhard; electrical & computer engineering, from Philips Lumileds Lighting Co, \$75,000, "Network for Computational Nanotechnology (NCN) Membership."

Klimeck, Gerhard; electrical & computer engineering, from Purdue University, \$20,174, "C-Primed."

Kluender, Keith R; speech, language and hearing sciences, from Chappelle, \$21,188, "Dilger, Adalyn K."

Kluender, Keith R; speech, language and hearing sciences, from Chappelle, \$21,188, "Fredrick, Jennifer K."

Kluender, Keith R; speech, language and hearing sciences, from Ross Graduate Fellowship/Assistantship, \$17,983, "Schramm, Michael."

Kluender, Keith R; speech, language and hearing sciences, from Knox, David M. Endowment, \$21,188, "Partridge, Casey M."

Kluender, Keith R; speech, language and hearing sciences, from Purdue Doctoral Program, \$20,188, "Fujiki, Robert S."

Kluender, Keith R; speech, language and hearing sciences, from Knox, David M. Endowment, \$21,188, "Hosokawa, Emily A."

Kluender, Keith R; speech, language and hearing sciences, from Purdue Doctoral Program, \$20,758, "Kueser, Justin."

Kluender, Keith R; speech, language and hearing sciences, from Chappelle, \$21,188, "Bergmann, Julia N."

Kluender, Keith R; speech, language and hearing sciences, from Chappelle, \$21,188, "Begle, Alyssa."

Kluender, Keith R; speech, language and hearing sciences, from Chappelle, \$21,188, "Partridge, Casey M."

Knapp, Deborah W; veterinary clinical science, from University of Wisconsin-Madison, \$9,405, "Discovering Genetic and Environmental Risk Factors for Bladder Cancer in Dogs."

Knapp, Deborah W; veterinary clinical science, from Poynter, Robert and Donna (Indiv Donors), \$1,000, "Cancer Treatment Program."

Knapp, Deborah W; veterinary clinical science, from Purdue University, \$42,439, "Knapp- Provost Equipment Grant 16-17."

Konieczny, Stephen F; biological sciences, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grant."

Kramer, Rebecca K; mechanical engineering, from Intel Corporation, \$109,293, "Intelligent Activewear: Textile-Integrated Computing and Proprioception for Posture and Performance Enhancement."

Krane, Matthew J and **Trumble, Kevin P**; materials engineering, from Rolls-Royce Corporation, \$140,000, "Single Crystal Casting Development."

Krupke, Christian H; entomology, from Ohio State University, \$9,999, "Soybean Entomology in the North Central Region: Management and Outreach for New and Existing Pests."

Kuhn, Richard J; biological sciences, from Purdue Doctoral Program, \$18,487, "Zlotnik, Sara."

Kuhn, Richard J; biological sciences, from Purdue University F N Andrews Fellowship, \$28,963, "Lie, Richard."

Kuhn, Richard J; biological sciences, from Washington University, \$12,326, "Antibody-Based Protection Against Dengue Virus."

Kuhn, Richard J; biological sciences, from Purdue University F N Andrews Fellowship, \$28,963, "Vannatta, Jonathan."

Kuhn, Richard J; biological sciences, from Purdue Doctoral Program, \$18,487, "Keener, Adam."

Ladisch, Michael R; agricultural & biological engineering, from Purdue University, \$79,782, "Ladisch- Provost Equipment Grant 16-17."

Latin, Richard X; botany & plant pathology, from Basf Corporation, \$9,648, "Evaluation of Fungicides for Turf Disease Control."

Latin, Richard X; botany & plant pathology, from Midwest Regional Turf Foundation, \$2,000, "Turfgrass Disease Research."

Lechtenberg, Victor L; president, from Multi-Sponsored Industrials, \$2,500, "Support of Southeastern Small Business Development Center (SBDC)."

Leonard to Mauer

Leonard, Laurence B; Christ, Sharon L; Deevy, Patricia L; Karpicke, Jeffrey D and Weber, Christine M; speech, language and hearing sciences, child development & family studies, psychological science, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$533,100, "Retrieval-Based Word Learning in Specific Language Impairment."

Leonard, Laurence B; speech, language and hearing sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$223,878, "Communicative Disorders."

Leverage, Paula E; foreign language & literature, from Purdue University, \$29,130, "FY 16-17 Purdue Research Foundation (PRF) Research Grants."

Li, Tonglei; pharmacy — administration, from Vince and Associates, \$50,591, "Bioequivalent Studies of Generic Drugs."

Liceaga, Andrea M; food science, from Endangered Species Chocolate, \$1,000, "Multi-Sponsored Gift - Sensory."

Liceaga, Andrea M; food science, from Iovate Health Sciences Inc, \$9,000, "Multi-Sponsored Gift - Sensory."

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

Liceaga, Andrea M; food science, from Impossible Foods Inc., \$2,000, "Multi-Sponsored Gift - Sensory."

Liceaga, Andrea M; food science, from Talking Rain Beverage Company, \$4,000, "Multi-Sponsored Gift - Sensory."

Liceaga, Andrea M; food science, from Talking Rain Beverage Company, \$1,000, "Multi-Sponsored Gift - Sensory."

Liceaga, Andrea M; food science, from Select Food Products Inc, \$2,000, "Multi-Sponsored Gift - Sensory."

Liceaga, Andrea M; food science, from Impossible Foods Inc., \$2,000, "Multi-Sponsored Gift - Sensory."

Liceaga, Andrea M; food science, from Shearers Foods, Inc, \$1,000, "Multi-Sponsored Gift - Sensory."

Linnes, Jacqueline C; biomedical engineering, from Purdue University, \$25,000, "Detection of B. Bronchiseptica in Oropharyngeal Swine Samples to Evaluate a Point-of-Care Molecular Diagnostic for Whooping Cough."

Lipton, Mark A; Seleem, Mohamed and Stauffacher, Cynthia V; chemistry, comparative pathobiology, biological sciences, from Purdue University, \$30,000, "Development of Dual Action Antimicrobials."

Love, David J; electrical & computer engineering, from Raytheon, \$47,097, "Retrodirective Array for Coherent Transmissions; Amendment 3."

Low, Philip S; chemistry, from PHS-NIH National Institute of General Medical Science, \$451,822, "Regulation of Erythrocyte Function."

Low, Philip S; chemistry, from On Target Laboratories LLC, \$399,198, "Fluorescent Optical Imaging." (a Discovery Park award — Purdue Center for Drug Discovery)

Lu, Na; civil engineering, from National Science Foundation, \$5,000, "Research Experience for Undergraduates (REU) Supplement: Faculty Early Career Development (CAREER): Investigating Process-Structure-Property Correlations of Nitrides and Oxides for High Temperature Thermoelectric Applications."

Lumkes, John H and Engel, Bernard A; agricultural & biological engineering, from Purdue University, \$56,258, "Research Refresh Award: Sustainable Intensification in Agriculture: Addressing Global Challenges in Mechanization."

Lyon, Angeline M; chemistry, from American Heart Association, \$4,000, "Identifying the Structural and Mechanistic Changes at the Plcepsilon2-Rap1 Interface (William Mbongo)."

MacDermid Wadsworth, Shelley; child development & family studies, from University of Wisconsin-Madison, \$5,387, "Trust in Research, Trust in Relationships: How State Legislators Acquire and Use Research in Deliberation."

Manfra, Michael J; physics, from University of Sydney, \$156,257, "Enhanced Readout Performance for Quantum DOT Spin Qubits (Grant 107028)."

Marais, Karen and Hwang, Inseok; aeronautical & astronautical engineering, from Federal Aviation Administration, \$40,530, "Project #2: Rotorcraft Asias."

Mattes, Richard D; foods & nutrition, from Purdue University, \$29,130, "FY1617 Purdue Research Foundation (PRF) Research Grants."

Mattson, Marifran; communication, from Purdue Doctoral Program, \$19,188, "Sanchez, Virginia."

Mattson, Marifran; communication, from Purdue Doctoral Program, \$19,188, "Billotte-Verhoff, China."

Mattson, Marifran; communication, from Winifred B. Bilsland Endowment, \$21,188, "Linabary, Jasmine R."

Mauer, Lisa J; Aime, Mary C; Allebach, Jan P; Applegate, Bruce M; Bae, Euiwon; Bhunia, Arun K; Chiu, George T; Deering, Amanda J; Irudayaraj, Joseph M; Mousoulis, Charilaos; Oliver, Haley F; Peroulis, Dimitrios; Pruitt, Robert E; Rajwa, Bartlomiej P; Robinson, Joseph P; Singh, Manpreet and Stanciu, Lia A; food science, botany & plant pathology, electrical & computer engineering, mechanical engineering, agricultural & biological engineering, basic medical science, materials engineering, from Agricultural Research Service, \$1,400,969, "Advanced Development of Innovative Technologies and Systematic Approaches to Food-borne Hazard Detection and Characterization for Improving Food Safety."

McGowan to Nolte

McGowan, Bethany S and **Brunswicker, Sabine**; library administration, industrial technology, from Bd2kccc, \$3,000, “Biomedical Big Data Hacking for Civic Health Awareness.”

McGraw, Tim E and **Chen, Yingjie**; computer graphics technology, from Eli Lilly and Company, \$96,794, “3-D Visualization of Molecular Dissolution.”

McLucky, Scott A; chemistry, from American Society for Mass Spectrometry, \$10,000, “Asms Postdoctoral Award.”

McMillan, Sara K; agricultural & biological engineering, from George Washington Carver Fellowship, \$21,588, “Scarlett, Rachel.”

Meckl, Peter H; mechanical engineering, from David M. Knox, Endowment, \$21,188, “Asomaning, Jeremy.”

Mei, Jianguo; chemistry, from Office of Naval Research, \$255,000, “Liquefying Organic Semiconductors.”

Mei, Jianguo; chemistry, from Purdue University, \$77,400, “Mei- Provost Equipment Grant 16-17.”

Melloch, Michael R; electrical & computer engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Hathorn, Sutton R.”

Menekse, Muhsin; engineering education, from University of Pittsburgh, \$8,692, “Investigating Motivation and Transfer in Physical Science through Preparation for Future Learning Instruction.”

Merwade, Venkatesh M; civil engineering, from Ford Marketing Institute, \$20,188, “Bhuiyan, Mohammad Adnan Rajib.”

Mesecar, Andrew D; biochemistry, from Ross Graduate Fellowship/Assistantship, \$28,963, “Baker, Kortany M.”

Mesecar, Andrew D; biochemistry, from Winifred B. Bilsland Endowment, \$13,995, “Powers, Brendan L.”

Mesecar, Andrew D; biochemistry, from Winifred B. Bilsland Endowment, \$13,995, “Mir, Aamir.”

Mesecar, Andrew D; biochemistry, from Purdue University F N Andrews Fellowship, \$28,963, “Benjamin, Aaron B.”

Meyer, Terrence R; mechanical engineering, from Spectral Energies, LLC, \$69,988, “Advanced Laser Based Diagnostic Techniques for Combustion and Propulsion Research.”

Midkiff, Samuel P; electrical & computer engineering, from Huawei Technologies, \$21,000, “Huawei Voluntary Gift Support.”

Miller, Margaret A; comparative pathobiology, from National Institutes of Health, \$1,884, “Increase for NIH Institutes of Health Training Grant for Jessica Beck.”

Miloshevsky, Gennady; nuclear engineering, from Purdue University, \$10,400, “FY 16-17 Purdue Research Foundation (PRF) Summer Faculty Grant.”

Minton, David A; earth & atmospheric sciences, from National Aeronautics and Space Administration, \$180,177, “Modeling Regolith Evolution During the Post-Basin Epoch of Lunar History.”

Mohammadi, Mohsen; agronomy, from Agricultural Research Service, \$73,556, “Improvement of Soft Winter Wheat that is Resistant to FHB and Adapted to Eastern USA.”

Mohammed, Sulma I; comparative pathobiology, from Purdue Doctoral Program, \$31,173, “Torres Luquis, Odalys.”

Mosier, Nathan S; agricultural & biological engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Burchell, Julia.”

Mott, John H; aviation technology, from Flightprofiler LLC, \$1,025, “A3IR Core.”

Nachappa, Punya B; biology— Fort Wayne campus, from Indiana Soybean Alliance, \$20,000, “Effects of Drought, Flooding, and Insect Herbivory on Soybean Plant Growth and Yield.”

Nauman, Eric A; mechanical engineering, from Chappelle, \$17,657, “Tweardy, Mackenzie J.”

Neville, Jennifer L; computer science, from Massachusetts Institute of Technology Lincoln Lab, \$49,028, “Investigating the Impact of Graph Structure and Attribute Correlation on the Performance of Collective Classification Models.”

Neville, Jennifer L; computer science, from National Science Foundation, \$107,668, “Faculty Early Career Development (CAREER): Machine Learning Methods to Support Computational Social Science.”

Ni, Jiqin; agricultural & biological engineering, from Winifred B. Bilsland Endowment, \$20,188, “Liu, Shule.”

Nie, Linda H; health sciences, from Purdue University, \$150,000, “Nie- Provost Equipment Grant 16-17.”

Nielsen, Robert L and **Camberato, James J**; agronomy, from Indiana Corn Marketing Council, \$142,970, “Profitable Management of Seed and Fertilizer in Corn Throughout Indiana.”

Niyogi, Devdutta S; agronomy, from National Aeronautics and Space Administration, \$30,000, “Integrating Land Surface Processes for Improved Simulation of Landfalling Tropical Cyclones.”

Noinaj, Nicholas; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$108,000, “The Role of Bama in the Biogenesis of Beta-Barrel Membrane Proteins.”

Noinaj, Nicholas; biological sciences, from Showalter Trust, \$75,000, “Targeting the Bam Complex for Antibiotic Development Against Neisseria Gonorrhoeae.”

Nolte, David D and **Turek, John J**; physics, basic medical science, from PHS-NIH National Institute of Biomedical Imaging & Bioengineering, \$330,976, “Tissue-Dynamics Imaging for Therapeutic Efficacy in Ovarian Cancer.”

Oakes to Pratt

Oakes, William C; engineering education, from Motorola Foundation, \$50,000, “Motorola Solutions Foundation.”

Ohaire, Marguerite E; comparative pathobiology, from Purdue University F N Andrews Fellowship, \$31,675, “Rodriquez, Kerri.”

Olek, Jan; civil engineering, from Indiana Department of Transportation, \$209,748, “Development of Subgrade Stabilization and Slab Undersealing Solutions for PCC Pavements Restoration and Repairs SPR-4004.”

Olek, Jan; civil engineering, from Indiana Department of Transportation, \$27,423, “SPR - 4043 - Investigation of Slag Aggregate in Asphalt Pavements.”

Olenik, Nicole L; pharmacy practice, from Fred Run Ltd, \$2,000, “Pharmacy Diabetes Education Program.”

Oliver, Haley F; food science, from Purdue University F N Andrews Fellowship, \$31,675, “Wu, Tongyu.”

Ouyang, Zheng and **Cooks, Robert G;** engineering administration engineering experiment, chemistry, from PHS-NIH National Institute of General Medical Science, \$266,578, “Development of a Point-of-Care Mass Spectrometry Analysis System.” (a Discovery Park award — Bindley Bioscience Center)

Overholser, Brian R; Liu, Wanqing and **Tisdale, James E;** pharmacy practice, medicinal chemistry & molecular pharmacology, from American Heart Association, \$154,000, “Pathophysiological Regulation of KCNH2 in Heart Failure.”

Panchal, Jitesh H; mechanical engineering, from Purdue Doctoral Program, \$31,675, “Dachowicz, Adam.”

Panitch, Alyssa; Office of the provost reserves, from Mexico National Council of Science and Technology (CONACYT), \$69,240, “Mexico National Council of Science and Technology (CONACYT)- Mexico Fellowship for Juan Martin Silva.”

Panitch, Alyssa; Office of the Provost Reserves, from George Washington Carver Fellowship, \$31,675, “Vazquez-Portalatin, Nelda.”

Park, Kinam; biomedical engineering, from Showalter Trust, \$60,000, “Interface Between Brain Cell and Implantable Microelectrode.”

Patrick, Helen; educational studies, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grants.”

Patton, Aaron J; horticulture & landscape architecture, from Midwest Regional Turf Foundation, \$12,000, “Turfgrass Research.”

Patton, Aaron J; horticulture & landscape architecture, from Midwest Regional Turf Foundation, \$3,000, “MRTF Extension & Research.”

Patton, Aaron J; horticulture & landscape architecture, from Midwest Regional Turf Foundation, \$15,500, “Turfgrass Research.”

Patton, Aaron J; horticulture & landscape architecture, from Dow Agro Sciences, \$9,500, “Performance of Gf-3566 Experimental Herbicide.”

Pereira, Nielsen L; educational studies, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grants.”

Peroulis, Dimitrios; electrical & computer engineering, from BAE Systems Advanced Technologies, Inc., \$50,000, “Fundamental Research (FSSR Program); Grant 108127.”

Phillion, Joann I; curriculum & instruction, from Purdue University, \$29,130, “FY 16-17 Purdue Research Foundation (PRF) Research Grants.”

Pijanowski, Bryan C; forestry & natural resources, from Purdue Doctoral Program, \$28,963, “Francomano, Dante.”

Pijut, Paula M; forestry & natural resources, from Northland Corp, \$2,500, “Vountary Support Pijut.”

Pinal, Rodolfo; industrial & physical pharmacy, from Purdue University, \$94,500, “Pinal- Provost Equipment Grant 16-17.”

Popescu, Voicu S and **Adamo-Villani, Nicoletta;** computer science, computer graphics technology, from University of Wisconsin-Madison, \$118,504, “Connecting Mathematical Ideas through Animated Multimodal Instruction; Modification 3.”

Pothen, Alex; computer science, from Intel Corporation, \$100,000, “Voluntary Support Intel.”

Pourpoint, Timothee L; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$74,000, “Performance Characterization of Alternative Hypergolic Propellants Nstrf Fellowship for Jared Willits-Year 2.”

Pourpoint, Timothee L; aeronautical & astronautical engineering, from Japanese Aerospace Exploration, \$134,446, “Physics of Hypergolic Liquid Jets Impingement.”

Pourpoint, Timothee L; aeronautical & astronautical engineering, from Jet Propulsion Laboratory, \$50,000, “Evaluation of Mon3 Hybrid Propulsion Systems.”

Prabhakar, Sunil K; computer science, from Purdue Doctoral Program, \$6,250, “Johnson, Amber.”

Prabhakar, Sunil K; computer science, from Winifred B. Bilsland Endowment, \$10,609, “Demir, Ilke.”

Prabhakar, Sunil K; computer science, from Purdue University F N Andrews Fellowship, \$18,487, “Zafarani, Farzad.”

Prabhakar, Sunil K; computer science, from Purdue University F N Andrews Fellowship, \$17,574, “Karisani, Negin.”

Prabhakar, Sunil K; computer science, from Winifred B. Bilsland Endowment, \$10,609, “Midi, Daniele.”

Pratt, David M; education — Calumet campus, from Indiana Campus Compact, \$2,250, “Training Junior Achievement Volunteers with Online Interactive Modules.”

Prezzi to Salagado

Prezzi, Monica; civil engineering, from Purdue University, \$85,802, “Prezzi-Provost Equipment Grant 16-17.”

Proctor, Robert W; psychological science, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grants.”

Purpura, David J and **Schmitt, Sara A**; child development & family studies, from Heising-Simons Foundation, \$858,049, “Engaging Preschool Children in Math Language at Home: the Development and Evaluation of a Family-Implemented Storybook Intervention.”

Radcliffe, David F; engineering education, from George Washington Carver Fellowship, \$21,188, “Fletcher, Trina.”

Radcliffe, David F; engineering education, from Purdue University F N Andrews Fellowship, \$31,675, “Williams, Taylor.”

Radcliffe, David F; engineering education, from Purdue Doctoral Program, \$31,675, “GE, Julianna.”

Radcliffe, John S and **Richert, Brian T**; animal sciences, from Elanco Animal Health, \$15,000, “Exploratory Study to Assess the Characterization of Volatile Fatty Acids in Thececum of Growing Swine Fed Diets with 15% and 30% Corn Derived Dried Distillers Grains with Solubles and an Endo-1,3-?-D.”

Raghunathan, Anand; electrical & computer engineering, from Intel Corporation, \$26,373, “Benchmark Deep Learning Training on the Proposed Deepscale Architecture.”

Rainey, Katherine M; agronomy, from Indiana Soybean Alliance, \$55,983, “Improving Efficiency of Soybean Breeding with Drone-Based Canopy Measurements.”

Ramanathan, Shriram; materials engineering, from Army Research Office, \$94,763, “Research Area 4: Electronics: Mott Transistor: Fundamental Studies and Device Operation Mechanisms.”

Ramanathan, Shriram; materials engineering, from National Science Foundation, \$264,693, “Collaborative Research: Phase-Change Materials for Strong Optical Modulation and Nonvolatile Optical Memory.”

Ramani, Karthik; mechanical engineering, from Eli Lilly and Company, \$100,000, “Sensepack: Enabling New Approaches to Pharma Products, Processes, and Strategy.”

Rao, Sanjay G; electrical & computer engineering, from AT&T Foundation, \$20,000, “AT&T Confed.”

Ratcliffe, Krista L; English, from Winifred B. Bilsland Endowment, \$21,188, “Park, Joohyun.”

Ratliff, Timothy L; comparative pathobiology, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grant.”

Ratliff, Timothy L; Cancer Research Center, from PHS-NIH National Cancer Institute, \$115,310, “Cancer Center Support Grant (Core).”

Ratliff, Timothy L; Cancer Research Center, from PHS-NIH National Cancer Institute, \$1,860,000, “Cancer Center Support Grant - Year2.”

Reid, Tahira; mechanical engineering, from George Washington Carver Fellowship, \$21,588, “Dandridge, Tikyna.”

Rhoads, Jeffrey F; **Bolton, J S** and **Davies, Patricia**; mechanical engineering, from North Carolina State University, \$156,367, “Semiwave Multidisciplinary University Research Initiative (MURI): Sound and Electromagnetic Interacting Waves; Modification 16; (Grant 105024).”

Ribeiro, Fabio H; chemical engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Mitchell, Garrett.”

Rickus, Jenna L; agricultural & biological engineering, from Purdue University, \$4,200, “Implantable Optrodes for Continuous Measurement of Inflammatory Cytokines and Gastric Peptides: Binding Kinetics of Candidate Aptamers.”

Rispoli, Mandy J; educational studies, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grants.”

Roberts, Felicia D; communication, from Lynn Interdisciplinary Graduate Fellowship, \$2,799, “Rogers, Adelie M.”

Roberts, Felicia D; communication, from Purdue University F N Andrews Fellowship, \$19,188, “Clare, Roderick G.”

Roberts, Felicia D; communication, from Lynn Interdisciplinary Graduate Fellowship, \$2,799, “Taherkhani, Neda.”

Rokhinson, Leonid P; physics, from U.S. Department of Energy, \$175,000, “Engineering Topological Superconductivity Towards Braiding Majorana Excitations; Modification 4 (Grant 106024).”

Ropp, Timothy D; aviation technology, from UAL Corporation, \$3,000, “Amt-I - Center United Airlines.”

Ross, Charles S; English, from Lynn Interdisciplinary Graduate Fellowship, \$2,799, “Wang, Zihan.”

Rossmann, Michael G and **Kuhn, Richard J**; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$581,696, “Structure and Function of Flaviviruses.”

Roy, Kaushik; electrical & computer engineering, from National Science Foundation, \$450,000, “Software and Hardware Foundations (SHF):Small: Deep Spiking Neural Networks: Algorithms, Architecture, and Devices.”

Ruan, Xiulin; mechanical engineering, from Winifred B. Bilsland Endowment, \$20,188, “Feng, Tianli.”

Sadeghi, Farshid; mechanical engineering, from Society of Tribologists & Lubrication Engineering, \$500, “Tribology Lab Research.”

Salgado, Rodrigo; civil engineering, from CTI and Associates Inc, \$1,000, “Coffee.”

Sanders to Shih

Sanders, Jimmie L; Education Opportunities Program — Calumet campus, from Indiana Department of Education, \$6,496, “Project Excel Summer Program- Summer Food Service Program 2016.”

Sanders, Jimmie L; Education Opportunities Program — Calumet campus, from Indiana Commission for Higher Education, \$1,000, “21st Century Scholars Boot Camp.”

Sandhage, Kenneth H; materials engineering, from Georgia Technology, \$191,929, “Exploration of Chemically-Tailored, Hierarchically-Patterned 3-D Biogenic and Biomimetic Structures for Control of Infrared Radiation.”

Sandhage, Kenneth H; materials engineering, from Georgia Technology, \$191,929, “Exploration of Chemically-Tailored, Hierarchically-Patterned 3-D Biogenic and Biomimetic Structures for Control of Infrared Radiation; Amendment 1 (Grant 108102).”

Sangid, Michael D; aeronautical & astronautical engineering, from Space and Naval Warfare Systems Center, \$250,000, “Predictive Materials Science and Fatigue Life Prognosis; Modification 3.”

Savage, Michael L; WBAA, from Indiana University, \$28,000, “IPBS RJC.”

Savage, Michael L; WBAA, from Corporation for Public Broadcasting, \$142,208, “CPB 2016 CSG.”

Scachitti, Susan M; engineering technology — Calumet campus, from Veterans Affairs, Department of, \$74,035, “Lean Management System Facilitation -Jesse Brown Veterans Administration Medical Center.”

Schoenlein, William E; biomedical engineering, from Cook Research Incorporated, \$119,558, “Pre-Clinical Device Testing Agreement: Studies: : Reg-Fcr1, Ci-Flt4, Cbi-Sps1 Ci-Dbzx, Ci-Hf1m, Ci-Hlal Ccc-Hcdv, Cbi-Xchs, Cto Model and Poc.”

Schoonmaker, Jon; animal sciences, from DSM Nutritional Products, Inc., \$25,000, “DSM Nutritional Products, Inc.”

Scott-Moncrieff, Joanna C; veterinary clinical science, from North Central Veterinary Emergency Center LLC, \$4,868, “ECC Residency Training Program.”

Scott-Moncrieff, Joanna C; veterinary clinical science, from North Central Veterinary Emergency Center LLC, \$10,268, “ECC Residency Training Program.”

Seleem, Mohamed; comparative pathobiology, from Winifred B. Bilsland Endowment, \$12,259, “Mohammad, Haroon T.”

Sepulveda, Maria S; forestry & natural resources, from Purdue University Special Initiative Program, \$21,840, “Cronin, Janelle A.”

Shah, Amisha D and Whelton, Andrew J; civil engineering, from Showalter Trust, \$70,500, “Formation and Removal of Toxic Disinfection by-Products from Residential and Commercial Plastic Pipes During Drinking Water Distribution.”

Shah, Kavita; chemistry, from Purdue University, \$5,500, “Chemical and Genetic Modulation of LIMK2 Kinase in Pancreatic Carcinoma Mouse Models.”

Shalae, Vladimir M and Boltasseva, Alexandra; electrical & computer engineering, from Office of Naval Research, \$278,613, “Time-Resolved Fluorescence Spectroscopy with Nanoscale Manipulation Capability for Novel on-Chip Nanophotonic Quantum Devices.” (a Discovery Park award — Birck Nanotechnology Center)

Sharma, Pankaj and McCann, Maureen C; biological sciences, from Duke Energy Foundation, \$282,600, “Duke Energy Academy at Purdue.” (a Discovery Park award — The Energy Center)

Shaver, Gregory M; mechanical engineering, from Caterpillar Inc., \$96,085, “Caterpillar - Purdue Natural Gas Engines Control Project Year 2.”

Shen, Jie; mathematics, from National Science Foundation, \$108,329, “Fast Spectral Methods and Their Applications.”

Shi, Riya; basic medical science, from Winifred B. Bilsland Endowment, \$20,188, “Race, Nicholas S.”

Shields, Cleveland G; Chang Alexander, Stewart C and Christ, Sharon L; child development & family studies, consumer science & retail, from Regenstrief Institute for Health Care, \$45,798, “Identifying Communicative Factors Affecting Opioid Management for Chronic Pain.”

Shih, Tom I; aeronautical & astronautical engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Clarke, Shanelle.”

Shih, Tom I; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$31,675, “Ramirez, Miquel.”

Shih, Tom I; aeronautical & astronautical engineering, from Winifred B. Bilsland Endowment, \$20,188, “Kravchenko, Sergil.”

Shih, Tom I; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$31,675, “Crowley Farenga, Julia.”

Shih, Tom I; aeronautical & astronautical engineering, from Purdue University F N Andrews Fellowship, \$21,188, “Spoentgen, Nicolas M.”

Shih, Tom I; aeronautical & astronautical engineering, from Knox, David M. Endowment, \$21,188, “Numa, Nadia.”

Shih, Tom I; aeronautical & astronautical engineering, from Chappelle, \$21,188, “Rolley, Robert J.”

Shih, Tom I; aeronautical & astronautical engineering, from Winifred B. Bilsland Endowment, \$20,188, “Kwon, Cheol-hyeon.”

Shih, Tom I; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$31,675, “McClain, Monique.”

Siegmund to Tindel

Siegmund, Thomas H; mechanical engineering, from National Science Foundation, \$227,591, “Eager/Collaborative Research: Mechanical Size Effects and Bone Failure.”

Sinclair, Thomas J; mathematics, from National Science Foundation, \$120,000, “Von Neumann Algebras: Rigidity, Applications to Measurable Dynamics, and Model Theory.”

Singh, Manpreet; food science, from Indiana Craft Jerky, \$150, “Multi-Sponsored Gift.”

Singh, Manpreet; food science, from Matthew or Denise McMillin, \$75, “Multi-Sponsored Gift.”

Smith, Mjt; graduate school administration, from GS Bridge Assistantships, \$8,625, “Bardaka, Eleni.”

Smith, Mjt; graduate school administration, from Purdue University Special Initiative Program, \$4,839, “Frazier, Shree.”

Snyder, Margie E and Zillich, Alan J; pharmacy practice, from Ashp Research & Education Foundation, \$74,672, “Evaluating the Effects of a Multidisciplinary Transition Care Management Program on Hospital Readmissions and Physician Access.”

Solomon, Kevin V; agricultural & biological engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Readnour, Logan.”

Song, Xiaohui C; Biehl, Larry L; Merwade, Venkatesh M and Villoria, Nelson B; academic technologies, civil engineering, agricultural economics, from National Science Foundation, \$1,134,391, “Cif21 Dibbs: Integrating Geospatial Capabilities into Hubzero.”

Spafford, Eugene H; computer science, from Cisco Systems, Inc., \$10,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

Spafford, Eugene H; computer science, from General Motors Holdings LLC, \$60,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

Starkey, John M; mechanical engineering, from Chrysler Corporation, \$10,000, “Adjustable Indoor Armrest.”

Steiner, Sherrie M; sociology— Fort Wayne campus, from Indiana Campus Compact, \$2,000, “Sustainable Partnerships in Support of a Sustainable Community: BCCC & Indiana University-Purdue University Fort Wayne (IPFW) Co-Host a Community Conversation.”

Strachan, Alejandro H; materials engineering, from The Boeing Company, \$50,000, “Consortium Membership with Boeing.”

Straw, Mark L; animal sciences, from PHS-FDA Food and Drug Administration, \$87,418, “Implementation of 21 Cfr 118: Inspection of Indiana Egg Producing Facilities.”

Strickland, Elizabeth A; speech, language and hearing sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$43,576, “Aging Effects on Suppression and Correlations with Speech Understanding in Noise; Hegland, Erica.”

Strickland, Elizabeth A; speech, language and hearing sciences, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grants.”

Strickland, Elizabeth A; speech, language and hearing sciences, from Purdue University, \$28,383, “1516 EVPRP – NIH Program Grants.”

Suter, Daniel M; biological sciences, from Purdue University, \$39,371, “High Resolution, High Sensitivity Digital Camera for Quantitative Live Cell Imaging.”

Sutherland, John W; environmental & ecological engineering, from Apple Inc, \$8,100, “Sustainable Product Design - Designing for Value Recovery from EOL Products.”

Talavage, Thomas M; electrical & computer engineering, from Winifred B. Bilsland Endowment, \$20,188, “Svaldi, Diana O.”

Talavage, Thomas M; electrical & computer engineering, from Joseph or Mary Ann Talavage, \$15,000, “Talavage Voluntary Support.”

Tao, Weiguo A; biochemistry, from Purdue University, \$5,000, “Identification of the Substrates of Cdkl5 Using Patient-Derived Ipscs as a Disease Model.”

Tarfulea, Nicoleta; mathematics, computer science & statistics — Calumet campus, from Simons Foundation, \$35,000, “Modeling Biological Systems Response to Environmental and Internal Stimuli.”

Tarko, Andrew P; Ariyur, Kartik B and Romero, Mario A; civil engineering, mechanical engineering, from Indiana Department of Transportation, \$421,577, “Building, Evaluating, and Improving Lidar-Based Traffic Scanner Prototypes for Implementation to Indiana Department of Transportation (INDOT) Practice – Phase II.”

Tarko, Andrew P and Thomaz, Jose E; civil engineering, from Indiana Department of Transportation, \$130,104, “Developing the Collision Diagram Builder - Phase II.”

Taylor, Lynne S; industrial & physical pharmacy, from Phrma Foundation, \$40,000, “The Use of Novel Cellulose Derivatives to Enhance the Solubility of Highly Hydrophobic Drugs-Fellowship for Venecia Wilson.”

Teegarden, Dorothy; foods & nutrition, from Purdue University, \$29,130, “FY1617 Purdue Research Foundation (PRF) Research Grants.”

Thompson, David H; chemistry, from Pandion Laboratories LLC, \$15,000, “Pandion Laboratories.”

Tindel, Samy; mathematics, from National Science Foundation, \$207,232, “On Rough Differential Systems and Stochastic Analysis.”

Tran to Winchester

Tran, Elizabeth; Andrisani, Ourania M; Liu, Xiaoqi and Pascuzzi, Pete E; biochemistry, basic medical science, library administration, from American Heart Association, \$51,900, “Biochemical and Biological Conservation of Ddx5 in Mammals and Yeast: New Paradigms for Metabolic Gene Regulation-Zheng Xing.”

Tuinstra, Mitchell R; agronomy, from Kansas State University, \$44,844, “Trait Development Pipeline for Food and Feed Value in Sorghum.”

Turco, Ronald F; agronomy, from University of Wisconsin System, \$5,000, “Soil Quality Assessment and Monitoring at GRI Edge-of-Field Sites.”

Umberger, Gloria H; technology — administration, from Powersys LLC, \$300, “Senior Capstone.”

Umberger, Gloria H; technology — administration, from Flextronics, \$15,000, “Senior Capstone.”

Underwood-Gregg, Diana L; Higgason, Melissa J and Kraft, Roger L; mathematics, computer science & statistics — Calumet campus, education — Calumet campus, from Indiana Department of Education, \$97,129, “Supporting Inquiry in Mathematics and Science via Simulations (SimsvSims).”

Uyeda, Christopher H; chemistry, from Alfred P. Sloan Foundation, \$55,000, “Alfred P. Sloan Research Fellowship (Grant Number: Fg-2016-6412).”

Varma, Amit H; civil engineering, from Modular Walling Systems Ltd, \$28,290, “Modular Walling Systems Ltd.”

Varma, Arvind; chemical engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Hsieh, an-Hsuan.”

Varma, Arvind; chemical engineering, from Purdue Doctoral Program, \$31,675, “Mackey, Jaron.”

Vorvoreanu, Mihaela; computer graphics technology, from Citybase LLC, \$37,266, “City of Indianapolis Online Portal Research and Testing Contract with Citybase, LLC.”

Voyles, Richard M; school of engineering technology, from Purdue University, \$144,693, “Voyles- Provost Equipment Grant 16-17.”

Vyn, Tony J; agronomy, from Valent U.S.A. Corporation, \$11,000, “Agricultural Cropping Systems.”

Wang, Chih-Chun; electrical & computer engineering, from National Science Foundation, \$249,854, “CIF: Small: Collaborative Research: Perishable Network Information Flow.”

Wang, Haifeng; aeronautical & astronautical engineering, from Purdue University, \$10,400, “16-17 Purdue Research Foundation (PRF) Summer Faculty Grants (FY 2017).”

Wang, Haiyan; materials engineering, from National Science Foundation, \$198,163, “Wang - Materials Discovery through Novel Nanocomposite Design.”

Wang, Haiyan; materials engineering, from Office of Naval Research, \$160,609, “Wang - Probe the Fundamentals in Field-Enhanced Sintering Process of High Temperature Ceramics via in Situ Tem.”

Wang, Nien-Hwa L; chemical engineering, from National Science Foundation, \$12,000, “Continuous Chromatography with Reactions for the Purification of Rare Earth Elements.”

Wassgren, Carl R; mechanical engineering, from National Institute for Pharmaceutical Technology and Education, \$89,000, “Nipte/FDA Qbd Proposal-Purdue Sub-Contract, Amendment 1, [Grant 107766].”

Weaver, Connie M and McCabe, George P; foods & nutrition, science — administration, from PHS-NIH National Heart, Lung & Blood Institute, \$2,125,874, “Dash-Sodium Trial in Adolescents.”

Webb, Kevin J; electrical & computer engineering, from Purdue University, \$466,800, “Webb- Provost Equipment Grant 16-17.”

Webb, Kevin J; electrical & computer engineering, from Army Research Office, \$70,000, “The Optomechanical Response of Nanostructured Materials.”

Weber, Christine M; speech, language and hearing sciences, from Purdue University, \$29,130, “FY 16-17 Purdue Research Foundation (PRF) Research Grants.”

Weibel, Justin A; mechanical engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Lyons, Sara K.”

Weiner, Andrew M and Qi, Minghao; electrical & computer engineering, from Defense Advanced Research Projects Agency, \$300,000, “Integrated Coherent Comb and Line-by-Line Pulse Shaper for Radio Frequency (RF) Photonic Filtering; Amendment 5 (Grant 106582).”

Weiner, Andrew M and Qi, Minghao; electrical & computer engineering, from Air Force Office of Scientific Research, \$232,755, “Microresonator-Based Optical Frequency Combs: Initiation, Characterization, Control.”

Weller, Stephen C; horticulture & landscape architecture, from Indiana Mint Market Development Council, \$10,000, “Research Efforts in Weed Management with Mint.”

Wereley, Steven T; mechanical engineering, from Winifred B. Bilsland Endowment, \$20,188, “Mishra, Avnish.”

Widhalm, Joshua R; biochemistry, from Purdue University, \$99,551, “Widhalm-Provost Equipment Grant 16-17.”

Wilker, Jonathan J; chemistry, from Office of Naval Research, \$90,278, “Biomimetic Adhesives Delivered Underwater, with Charges, and from Renewable Resources.”

Winchester, Daniel A; sociology, from University of Notre Dame, \$74,595, “Souls without Borders: Conservative Protestant Missionary Work as Transformative Experience; Modification 1.”

Wise to Zhang

Wise, Kiersten A; botany & plant pathology, from ABG Ag Services LLC, \$3,900, “Wheat Disease Research.”

Wise, Kiersten A; botany & plant pathology, from FMC Corporation, \$30,000, “Wheat Disease Research.”

Wise, Kiersten A; botany & plant pathology, from Steven P. Mroczkiewicz, \$2,500, “Wheat Disease Research.”

Wise, Kiersten A; botany & plant pathology, from Indiana Soybean Alliance, \$36,377, “Understanding the Impact of Planting Environment and Seed Treatment on Sudden Death Syndrome in Soybean.”

Wise, Kiersten A; botany & plant pathology, from Indiana Corn Marketing Council, \$15,330, “Understanding Fungicide Timing to Manage Northern Corn Leaf Blight.”

Woloshuk, Charles P and Mengiste, Tesfaye D; botany & plant pathology, from National Corn Growers Association, \$20,000, “Transgenic Expression of a Major Plant Immunity Gene to Reduce Aflatoxin Contamination.”

Xu, Dongyan; computer science, from Symantec Corporation, \$20,000, “Symantec Research Labs Graduate Fellowship Brendan Saltaformaggio.”

Xu, Jin-Rong; botany & plant pathology, from Agricultural Research Service, \$50,259, “Distinct Regulatory Functions of the Tri6 and Tri10 Genes in Don Biosynthesis.”

Xu, Xianfan; mechanical engineering, from Headway Technologies, Inc., \$10,000, “Measurement of Thermal Conductivity of Thin Films.” (a Discovery Park award — Birck Nanotechnology Center)

Yang, Won Sik; nuclear engineering, from DOE-ER-Nuclear Energy, \$431,081, “Development of Steady-State Thermal-Hydraulic Analysis and Bowing Reactivity Evaluation Methods Based on Neutron.”

Yazawa, Kazuaki; electrical & computer engineering, from Nissan Chem Indus Ltd-Central Res Institute, \$130,498, “Printed Thermoelectric Power Generators.” (a Discovery Park award — Birck Nanotechnology Center)

Ye, Peide; electrical & computer engineering, from National Science Foundation, \$16,000, “Research Experience for Undergraduates (REU) Supplement Proposal for NSF/Afoser 2dare Phosphorene Project.” (a Discovery Park award — Birck Nanotechnology Center)

Ye, Peide; electrical & computer engineering, from Taiwan Semiconductor Manufacturing Co, \$120,000, “Phosphorene as a New 2d Material for Tunneling FETs.” (a Discovery Park award — Birck Nanotechnology center)

Ye, Peide; electrical & computer engineering, from BAE Systems Advanced Technologies, Inc., \$10,000, “Perform Atomic Layer Deposition (Atomic Layer Deposition [ALD]) A1203 Coating on Two 6-Inch Gan/Sec Wafers.” (a Discovery Park award — Birck Nanotechnology Center)

Yen, Jui-Hung; medical education — Fort Wayne campus, from Indiana University, \$75,000, “FY17 Indiana University School of Medicine (IUSM) - Fort Wayne Dr. Yen Start-Up Fund.”

Yen, Jui-Hung; medical education — Fort Wayne campus, from Indiana University, \$20,000, “FY16-17 Indiana University School of Medicine (IUSM) - Fort Wayne Dr. Yen Multiple Sclerosis Research Fund.”

Yeo, Yoon; industrial & physical pharmacy, from National Science Foundation, \$150,000, “Targeted Delivery of Antimicrobial Peptides to Intracellular Bacterial Pathogens.”

Yoon, Gyeong Mee; botany & plant pathology, from Showalter Trust, \$75,000, “The Roles of a Raf-Like Protein Kinase Ctr1 in Ethylene Signaling Pathway.”

Young, Bryan G and Johnson, William G; botany & plant pathology, from Indiana Soybean Alliance, \$87,747, “Characterization and Management of Herbicide-Resistant Weeds in Indiana.”

Zavattieri, Pablo D; civil engineering, from University of California-Riverside, \$57,901, “Damage-Tolerant Biological Composites Derived from the Teeth of a Giant Chiton; Amendment 4 (Grant 105978).”

Zavattieri, Pablo D; Olek, Jan and Youngblood, Jeffrey P; civil engineering, materials engineering, from National Science Foundation, \$206,000, “Collaborative Research: 3-D Printing of Civil Infrastructure Materials with Controlled Microstructural Architectures.”

Zhang, Hao; statistics, from Chappelle, \$21,462, “Bergmann, Mayfawny.”

Zhang, Hao; statistics, from Wanxiang Clean Energy LLC, \$30,000, “Wanxiang Clean Energy USA Corp.”

Zhang, Min; Fleet, James C and Liu, Wanqing; statistics, foods & nutrition, medicinal chemistry & molecular pharmacology, from PHS-NIH National Institute of Biomedical Imaging & Bioengineering, \$159,868, “Big Data Training for Translational Omics Research.”

Zhang, Song; mechanical engineering, from UI Labs, \$200,000, “Dmdii-Authoring Augmented Reality Work Instructions by Expert Demonstration.”

Zhang, Xinghang; materials engineering, from National Science Foundation, \$21,900, “Fundamental Mechanisms of Removal of Stacking Fault Tetrahedra by Mobile Low Energy Boundaries.”

Zhang, Zhong-Yin; medicinal chemistry & molecular pharmacology, from PHS-NIH National Cancer Institute, \$1,299, “Structure/Function of Protein Tyrosine Phosphatases.”

Zhang, Zhong-Yin; medicinal chemistry & molecular pharmacology, from Purdue University F N Andrews Fellowship, \$28,963, “Nielsen, Jeffery.”

Zhang, Zhong-Yin; medicinal chemistry & molecular pharmacology, from Purdue Doctoral Program, \$28,963, “Nehrkorn, Emily.”

Zhang to Zwier

Zhang, Zhong-Yin; medicinal chemistry & molecular pharmacology, from Purdue University F N Andrews Fellowship, \$30,004, “Cassell, Robert.”

Zhao, Fu; mechanical engineering, from National Science Foundation, \$160,200, “Collaborative Research: Environmental Sustainability of Additive Manufacturing Processes: Bridging Geometry and Life Cycle Inventory.”

Zhao, Kejie; mechanical engineering, from National Science Foundation, \$254,661, “Surface Coating for High-Capacity Electrodes in Li-Ion Batteries: In-Situ TEM Characterizations and First-Principles Modeling.”

Zhou, Chenn Q; Center for Innovation thru Visualization & Simulation, from Alverno Clinical Laboratories Inc, \$24,242, “3-D Alverno Clinical Laboratories Virtual Tour-Phase II.”

Zhou, Chenn Q; Center for Innovation thru Visualization & Simulation, from Livermore, Lawrence National Laboratory, \$194,999, “The Virtual Blast Furnace Phase II: an Integrated High Performance Computing Modeling, Simulation and Visualization Capability for Steel Manufacturing.”

Zhou, Chenn Q; mechanical engineering — Calumet campus, from Steel Dynamics Inc, \$45,000, “Steel Manufacturing Visualization and Simulation Consortium (SMVSC) Membership.”

Zhou, Chenn Q and Hixon, Emily J; mechanical engineering — Calumet campus, teacher preparation — Calumet campus, from National Science Foundation, \$869,180, “Troubleshooting and Safety Simulator for Wind Turbine Technician Education.”

Zischke, Mitchell T; Salazar, Kara A; Beugly, Jayson S and Thompson, Leslie E; forestry & natural resources, Illinois-Indiana Sea Grant Program, engineering, mathematics & science — Calumet campus, from Indiana Department of Natural Resources, \$4,529, “Public Workshops on Recreational Fishing in Southern Lake Michigan.”

Zollner, Patrick A; forestry & natural resources, from Purdue University Special Initiative Program, \$30,631, “Bird, Daniel E.”

Zollner, Patrick A; forestry & natural resources, from Purdue University F N Andrews Fellowship, \$28,963, “Tinklenberg, Jessica M.”

Zwier, Timothy S; chemistry, from National Aeronautics and Space Administration, \$170,000, “Laboratory Studies of Cyanoacetylene Photochemistry in Titans Atmosphere: Expanding Current Photochemical Models.” ■

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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. ■