Abbott to Bolin


Aime, Mary Catherine: botany and plant pathology, from Foreign Agricultural Service, $34,720, “Borlaug Fellowship – Panama Biotechnology.”

Alam, Muhammad A: electrical & computer engineering, from Texas Instruments, Inc., $60,000, “Texas Instruments Gift.”

Allan, Blake A: educational studies, from American Psychological Association, $20,000, “Underemployment and Mental Health: A Longitudinal Study.”

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

Allebach, Jan P: electrical & computer engineering, from Georgia Technology, $35,000, “Achieving the Potential: A Proposal to Expand the Capacity, Reach and Effectiveness of VIP at Purdue; Amendment 4; Grant 208226.”


Anderson, William E and Lucht, Robert P: aeronautics & astronautics, mechanical engineering, from University of California-Los Angeles, $150,000, “High Fidelity Measurements and Modeling of Combustion Instabilities; Amendment 2; Grant 107906.”

Andrisani, Ourania M: Center for Cancer Research, from Purdue University, $2,000, “Validation of a Gene Signature for Liver Cancer Classification and Treatment.”

Appenzeller, Joerg: electrical & computer engineering, from Sandia National Laboratories, $70,000, “Perpendicular Anisotropy Nanomagnet Arrays:” (a Discovery Park award – Birck Nanotechnology Center)


Basaran, Osman A: chemical engineering, from Dow Chemical Company, $25,000, “Purdue Process Safety and Assurance Center(P2SAC).”

Beaudoin, Stephen P: chemical engineering, from Northeastern University, $94,628, “A Novel Method for Evaluating the Adhesion of Explosives Residues; Amendment 14, Grant 106833.”

Beaudoin, Stephen P: chemical engineering, from Northeastern University, $75,000, “Mechanics of Compounded Explosives for Enhanced Checkpoint Detection.”

Beaudoin, Stephen P and Boudouris, Bryan W: chemical engineering, from Northeastern University, $75,000, “Improved Swab Design for Contact Sensing.”

Beaulieu, Lionel J and Kumar, Indraneel: Office of Engagement, from Michigan State University, $22,700, “The Geographic and Socioeconomic Aspects of Poverty: An Examination of the North Central Region of the U.S.”

Bingham, Clifton W: computer science, from Bureau of Census, $148,534, “Tools to Support Anonymization; Amendment 3; Grant 108701.”

Birch, Deborah I: Education Opportunities Program, from U.S. Department of Education, $334,068, “Education through Success – Year Two.”

Bobet, Antonio and Haikal, Ghadir: civil engineering, from Indiana Department of Transportation, $86,560, “SPR-3857 Assessment of Pipe Fill Heights.”

Bobet, Antonio: civil engineering, from Indiana Department of Transportation, $131,679, “Expansion: Subgrade Stabilization Alternatives.”

Bolin, Jeffrey T: Executive Vice President for Research and Partnerships, from Purdue University, $29,526, “FY17-18 Purdue Research Foundation (PRF) Research Grant.”

Bolin, Jeffrey T: Executive Vice President for Research and Partnerships, from Purdue University, $29,526, “FY17-18 Purdue Research Foundation (PRF) Research Grant.”

Bolin, Jeffrey T: Executive Vice President for Research and Partnerships, from Purdue University, $29,526, “FY17-18 Purdue Research Foundation (PRF) Research Grant.”

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Bolin to Dydak

Bolin, Jeffrey T; Executive Vice President for Research and Partnerships, from Purdue University, $29,526, “FY17-18 Purdue Research Foundation (PRF) Research Grant.”

Bolin, Jeffrey T; Executive Vice President for Research and Partnerships, from Purdue University, $29,526, “FY17-18 Purdue Research Foundation (PRF) Research Grant.”

Bolin, Jeffrey T; Executive Vice President for Research and Partnerships, from Purdue University, $29,526, “FY17-18 Purdue Research Foundation (PRF) Research Grant.”

Boltsasseva, Alexandra; electrical & computer engineering, from Sandia National Laboratories, $55,000, “PO 1757154 – Near Infrared Nanophotonics through Dynamic Control of Carrier Density in Conducting Ceramics; Amendment 2; Grant 108798.”

Bouman, Charles A; electrical & computer engineering, from Northeastern University, $75,000, “R4-B.1: Toward Advanced Baggage Screening: Reconstruction and Automatic Target Recognition.”

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, $39,247, “2017-18 Joint MDPhD Program for Graduate Support; Chakravartulu.”

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, $39,750, “2017-18 Joint MDPhD Program for Graduate Support; Zeng.”

Bryan, Lynn A and Samarapungavan, Ala; physics and astronomy, educational studies, from The Concord Consortium Inc, $211,656, “Sensing Science through Modeling Matter: Kindergarten Students? Development of Understanding of Matter and its Changes; Amendment 1; Grant 108802.”

Bullock, Darcy M; civil engineering, from Indiana Department of Transportation, $275,000, “Connected Corridor Implementation.”

Cakmak, Mukerrem; mechanical engineering, from University of Connecticut, $200,000, “Tracking, Diagnosing and Arresting Dielectric Breakdown Using Multiscale Characterization and Simulations.” (a Discovery Park award – Birck Nanotechnology Center)


Cannon, Jason R; health sciences, from Winifred B. Billsland Endowment, $21,829, “Wise, John.”

Capano, Michael A; electrical & computer engineering, from Winifred B. Billsland Endowment, $21,229, “Jaramillo Villegas, Jose.”

Chapple, Clint C S; biochemistry, from U.S. Department of Energy, $130,000, “Phenylpropanoid Metabolism in Arabidopsis: the Role of Ref4; Modification 10; Grant 102711.”

Chen, Weinong W; aeronautics & astronautics, from Department of the Army, $150,000, “Development of a Predictive Indicator for Fabric Ballistic Performance.”

Chiang, Mung; engineering administration & engineering experiment station, from Princeton University, $48,738, “Multi-Sponsor Voluntary Support Chiang.”

Chipman, Shannon M; field extension educators, from Ohio County Community Foundation, $300, “BEBE (Building Encouraging Boys Empowerment).”

Chiu, George T; mechanical engineering, from Institute of Electrical Electronics Engineering, $33,000, “Institute of Electrical and Electronics Engineers (IEEE) Transactions on Mechatronics Editorial Service Agreement.”

Choi, Jong Hyun and Mao, Chengde; mechanical engineering, chemistry, from Office of Naval Research, $53,997, “Toward Versatile Synthetic DNA Walkers.”


Cooks, Robert Graham; chemistry, from Clark, Andrew, $250, “Pfizer Analytical Chem Fellowship.”

Corley, Baraka B; Student Success at Purdue, from U.S. Department of Education, $388,851, “Horizons Student Support Services.”

Cosier, Richard A; management, from Foundation Center-Cleveland, $4,735, “Krahnert School of Managements Graduate Program to Provide Scholarships to First-Year Students Based on Academic Merit.”

Crossley, William A and DeLaurentis, Daniel A; aeronautics & astronautics, from National Institute Aerospace, $200,218, “Future Regional Transportation System Mobility Analysis.”

Culurciello, Eugenio; biomedical engineering, from Office of Naval Research, $200,000, “Software and Hardware for Deep Learning of Video Sequences.”


Dai, Mingji; chemistry, from Eli Lilly and Company, $100,000, “2017 Eli Lilly ACC Grantee Award.”

DeLaurentis, Daniel A; aeronautics & astronautics, from Science Applications International, $135,000, “TI-103 Sector; Modification #4.”

Delp, Edward J; electrical & computer engineering, from Curtin University of Technology, $37,967, “Computer-Tailoring Using the TADA Software Tools.”

Deng, Qing; Center for Cancer Research, from Purdue University, $1,800, “Pilot Study to Translate Zebrafish-Based Basic Cell Biology Findings in Mammalian Cells.”

Dooley, Frank J; Beaudoin, Diane L; Clifford, Rita K and Wong Davis, Kristina M; Office of the Provost, Office of Institutional Research, Assessments & Effectiveness, IT application services, enrollment management administration, from Arizona State University, $44,071, “University Innovation Alliance Collaborative Agreement.”

Doucette, Suzanne C; chemistry, from Florida State University, $107,989, “Energy Frontier Research Center: Center for Interdisciplinary Actinide Science; Amendment 1 [Grant 108694].”

Duval-Couetil, Nathalie A L; technology, leadership, & innovation, from Burton D Morgan Foundation, $100,000, “Enhancing Entrepreneurship Education through Experiences: Collegiate Entrepreneurship Opportunities and Burton D. Morgan Fellows.”

Dydak, Ulrike; health sciences, from Yale University, $113,889, “In Vivo Quantification of Cerebellar Gaba and Naa in Essential Tremor.”
Ebert to Hoagland

Ebert, David S; electrical & computer engineering, from George Mason University, $2,500, “DHS-16-ST-061-CINA.”

El-Azab, Anter A; materials engineering, from Idaho National Laboratory, $62,000, “Phase Field Model Development for Recrystallization with Deformation Stored Energy and Microstructure Representation; Amendment 1; Grant 109200.”


Elliott, Stephen John and O’Connor, Kevin J; technology, leadership, & innovation, from Noblis, $240,000, “IARPA Janus – Face Recognition.”

Farkas, Brian E; food sciences, from Colin R or Loretta J Smith, $50, “Multi-Sponsored Gift Fermentation.”

Farkas, Brian E; food sciences, from Jared & Annette Coppess, $45, “Multi-Sponsored Gift Fermentation.”

Farkas, Brian E; food sciences, from Waltz Valley Farms, $50, “Multi-Sponsored Gift Fermentation.”

Farkas, Brian E; food sciences, from Gregory N. White, $30, “Multi-Sponsored Gift Fermentation.”

Fekete, Donna M; Munnamalai, Vidhya and Kuhn, Richard J; biological sciences, from PHS-NIH National Institute on Deafness and Other Communication Disorders, $218,024, “Zika Virus Cell Tropism and Pathogenesis in the Developing Inner Ear”


Finley, John P; physics and astronomy, from Rolf or Mary Jane Scharenberg, $126,224, “Voluntary Support.”


Flaherty, Elizabeth A; forestry and natural resources, from Theodore Roosevelt Memorial Fund, $1,000, “Evaluation of the Prey Base and Feeding Relationships of the American Burying Beetle.”

Fleet, James C; nutrition science, from Rutgers State University, $171,504, “Nutrigenomics of Intestinal Vitamin D Action.”

Forman, Michele R; nutrition science, from Lynn Interdisciplinary Graduate Fellowship, $29,526, “Chehab, Rana.”

Forman, Michele R; nutrition science, from Lynn Interdisciplinary Graduate Fellowship, $29,526, “Cheon, Eunjin.”

Frankenberger, Jane R; agricultural & biological engineering, from Environmental Protection Agency, $30,000, “Transforming Agriculture Drainage to Reduce Nutrient Losses: Strengthening Collaboration to Achieve Results.”

Frankenberger, Jane R; agricultural & biological engineering, from Environmental Protection Agency, $28,005, “Transforming Agriculture Drainage to Reduce Nutrient Losses: Strengthening Collaboration to Achieve Results.”

Gabauer, Colleen L; graduate school administration, from Purdue Doctoral Program, $26,379, “Ahkin Chin Tai, Janiel.”

Garimella, Suresh V; mechanical engineering, from Murata Manufacturing Co. Ltd, $30,000, “Cooling Technologies Research Center (CTRC) Membership – Memo Match for 106029.”

Ginzel, Matthew D; entomology, from U.S. Forest Service, $42,200, “Assessment of Thousand Cankers Disease within the Native Range of Black Walnut (Juglans Nigra).”

Gleich, David F; computer science, from Stanford University, $74,750, "MINER: Multimodal Networks: a General Representational Language Applied to Bio-Medical Hypothesis Generation and Validation; Amendment 9; (Grant 107796).”

Goldberg, David; Baguelos, Rodrigo and Buzzard, Gregory T; mathematics, from U.S. Department of Education, $1,368, “Increasing U.S. Doctorates in Mathematics.”

Goldberg, David; Baguelos, Rodrigo and Buzzard, Gregory T; mathematics, from U.S. Department of Education, $295,188, “Increasing U.S. Doctorates in Mathematics 2015 Graduate Assistance in Areas of National Need (GAANN).”

Gondhalekar, Ameya D; entomology, from Syngenta Crop Protection Inc., $25,500, “Defining Efficacious Rates in Cockroach Gel Bait Matrices.”

Gounder, Rajamani P; chemical engineering, from Basf Corporation, $165,000, “Synthesis and Stability of Zeolites.”

Guzey, Sukru; civil engineering, from American Petroleum Institute, $28,553, “API 12 Series Tanks Failure Pressure Study Phase 3: API 12F and API 12D Tanks.”

Hamilton, Roy L; Education Opportunities Program, from Indiana Commission for Higher Education, $2,000, “Indiana Scholarcorps AmeriCorps Program 2017-2018.”

Hamilton, Roy L; Education Opportunities Program, from U.S. Department of Education, $292,206, “Ronald E. McNair Post-Baccalaureate Achievement Program.”

Handa, Avtar Krishan; horticulture and landscape architecture, from Agricultural Research Service, $50,000, “Discerning Metabolome and Transcriptome of Elite Germplasm Grown in the Field Under Different Cultivation Practices.”

Handa, Avtar Krishan; horticulture and landscape architecture, from Agricultural Research Service, $35,000, “Discerning Metabolome and Transcriptome of Elite Germplasm Grown in the Field Under Different Cultivation Practices.”

Heeg, Marlene O; pharmacy administration, from Commonwealth Diagnostics International, $50,000, “2017 IBS Prime Initiative.”

Hill, Catherine A; entomology, from Purdue Doctoral Program, $29,526, “Loperena-Medina, Sue Heidi.”

Hoagland, Lori A; horticulture and landscape architecture, from Winifred B. Bilsland Endowment, $10,729, “Abdelrazek, Sahar.”
**Purdue University Sponsored Program Awards — October 2017**

## Holland to Loew

**Holland, Jeffrey D.**; entomology, from Agricultural Research Service, $30,000, “Identification and Analysis of Host Resistance and Hessian Fly Response in Wheat.”

**Holland, Jeffrey D.**; entomology, from Purdue Doctoral Program, $29,176, “Mcroskey, Eoghan.”

**Hountz, Randall A.**; industrial engineering, from Indiana University, $1,314,470, “Great Lakes Practice Transformation Network.” (a Discovery Park award – Regenstrief Center for Healthcare Engineering)

**Howarter, John A.**; materials engineering, from National Institute of Justice, $49,925, “Nanostructural Characterization of Ballistic Fiber Degradation.”

**Irazoqui, Pedro; Powley, Terry L; Robinson, Joseph Paul; Ward, Matthew Peter** and **Liu, Zhongming**; biomedical engineering, psychological science, basic medical sciences, from Defense Advanced Research Projects Agency, $125,000, “Suppressing Inflammation via Neuromodulation of the GI Tract.”

**Jacobs, Douglass F.**; forestry and natural resources, from The Nature Conservancy, $7,000, “Voluntary Support – American Chestnut.”

**Jacobs, Douglass F.**; forestry and natural resources, from U.S. Forest Service, $21,930, “Hardwood Tree Improvement and Regeneration Center.”

**Johnson, William G.** and **Young, Bryan G.**; botany and plant pathology, from Monsanto Company, $13,986, “Photoperiod Effect of Xtend on Efficacy.”

**Johnson, William G.**; botany and plant pathology, from Bayer Cropscience, $17,500, “Weed Science Research Voluntary Support.”

**Johnson, William G.**; botany and plant pathology, from Bayer Cropscience, $18,500, “Weed Science Research Voluntary Support.”


**Kaplan, Ian**; entomology, from Xerces Society Inc, $500, “Voluntary Support.”

**Kaplan, Ian**; entomology, from Ross Graduate Fellowship-Assistantship, $31,904, “Pecenka, Jacob.”

**Kaplan, Ian**; entomology, from Michigan State University, $75,656, “Lab to Farm: Integrating Organic Cucurbit Science and Production in the Midwest.”

**Kasinski, Andrea L.**; Center for Cancer Research, from Purdue University, $1,500, “Ligand-Targeted, Vehicle-Free Delivery of Small RNAs.”

**Kasinski, Andrea L.** and **Low, Philip S.**; biological sciences, chemistry, from PHS-NIH National Cancer Institute, $349,399, “Enhancing Mirna Therapeutics through Combinatorial Targeting and Vehicle Free Delivery.”

**Key, Nicole L.**; mechanical engineering, from Siemens Corporate Research Inc., $50,685, “Compressor Research for First Year Graduate Students.”

**Kim, Chang H.**; comparative pathobiology, from Purdue University F N Andrews Fellowship, $31,904, “Abdelaal, Ahmed.”


**Kingsbury, Bruce A.**; arts & sciences administration, from DLZ Michigan, Inc, $101,090, “Distribution and Ecology of Blandings Turtles (Emydoidea Blandingii) and Wood Turtles (Glyptemys Insculpta) at Camp Grayling.”


**Koltick, David S.**; physics & astronomy, from Advanced Physics Technologies, $1,200, “Koltick Voluntary Support.”

**Krause, Jane E.**; pharmacy practice, from Indiana Collaborative Action Network, $5,000, “Conversations with Faculty, Staff, Students, and Administrators: Addressing Alcohol Use on Campus.”


**Lee, Linda S.; Sepulveda, Maria Soledad** and **Ma, Zhao**; agronomy, forestry & natural resources, from National Academy of Sciences, $65,756, “Endocrine Disrupting Chemicals (EDCs) in Kabul and Swat Rivers and Their Impact on Fish Populations and Rural Community Livelihoods.”

**Leidy, Heather J.**; nutrition science, from Roquette America, Inc, $111,239, “The Effects of Protein Source on Appetite Control, Satiety, and Subsequent Food Intake: A Clinical Screening Study.”

**Liceaga, Andrea M.**; food sciences, from Talking Rain Beverage Company, $4,000, “Multi-Sponsored Gift- Sensory.”

**Liceaga, Andrea M.**; food sciences, from Weaver Popcorn Company, $3,000, “Multi-Sponsored Gift- Sensory.”

**Liceaga, Andrea M.**; food sciences, from Impossible Foods Inc., $7,000, “Multi-Sponsored Gift- Sensory.”

**Liceaga, Andrea M.**; food sciences, from Weaver Popcorn Company, $3,000, “Multi-Sponsored Gift- Sensory.”

**Liceaga, Andrea M.**; food sciences, from Ramsey Popcorn Co Inc, $1,000, “Multi-Sponsored Gift- Sensory.”

**Lifton, Nathaniel A.**; earth, atmospheric & planetary science, from University of Southern California, $35,000, “Additional Isochron Burial Dating of Late Pleistocene Alluvial Surfaces to Constrain Long-Term San Andreas Fault Slip Rates.”

**Lindshield, Stacy M.**; anthropology, from Primate Conservation Inc., $1,008, “Disease Transmission Prevention Between Critically Endangered Western Chimpanzees (Pan Troglydozy Verus) and Research Agents at Mont Assirik in Parc National Du Niokoloko-Koba, Senegal.”

**Liu, Lu**; industrial engineering, from University of California – Santa Cruz, $26,066, “Investigating Climate Change-Induced Vulnerability of the Northern California Natural Gas Energy System and Identifying Resilience Options; Amendment 1; Grant 210192.”

**Loew, Tamara F.** and **Perrault, Evan K.**; recreation & wellness, communication, from Indiana Family & Social Services Administration, $155,250, “Purdue Planning, Implementation, and Evaluation of Pilot Programs to Address Substance Abuse Prevention and Mental Health Promotion.”
Lopez-de-Bertodano to Niser

Lopez-De-Bertodano, Martin A; nuclear engineering, from Bettis Atomic Power Laboratory, $155,177, “Stability and Simulation of a Boiling Channel with Two-Fluid Model 1D and Computational Fluid Dynamics (CFD) Simulations.”

Love, David J; electrical & computer engineering, from Nokia Siemens Networks, $60,000, “Nokia Siemens Gift.”

Lucht, Robert P; Gore, Jay P and Sojkia, Paul E; mechanical engineering, from Federal Aviation Administration, $150,000, “Federal Aviation Administration (FAA) Coe Ascent: National Jet Fuels Combustion Program: Area #5 Atomization Tests and Models.”

Lucht, Robert P; aeronautics & astronautics, from Siemens Power Generation Inc, $180,000, “Distributed Combustion Studies in the Purdue High-Pressure Gas Turbine Combustion Test Rig.”


Lynam, Donald R; psychological science, from University of Kentucky, $106,008, “Center for Drug Abuse Research Translation: the Role of Negative Urgency in Substance Use.”

Lynch, Cyndi D; graduate school administration, from Purdue University Special Initiative Program, $29,884, “Sachdev, Aakriti.”

Lyutikov, Maxim Y; physics and astronomy, from National Aeronautics and Space Administration, $54,630, “Early GRB Afterglows and Fermi Lat Photons from Long-Lasting Ultra-Relativistic Winds.”

MacDermid Wadsworth, Shelley; Topp, Dave and Broniarczyk, Kathy M; human development & family studies, from Michigan State University, $6,825, “Star Behavioral Health Provider Support for Michigan.”

Macheret, Sergey O; Khomenko, Andrei and Sharshurin, Alexey; aeronautics & astronautics, from Lockheed Martin Aeronautics Company, $100,000, “Plasma-Tunable Radio-Frequency Elements.”

Manfra, Michael James; electrical & computer engineering, from Sandia National Laboratories, $80,000, “Gallium Arsenide (GaAs) High Electron Mobility Transistor (HEMT) Amplifiers.” (a Discovery Park award – Birck Nanotechnology Center)

Mason, Linda J; graduate school administration, from Purdue University Special Initiative Program, $34,732, “Ahangar Darabi, Mohsen.”

Matosevic, Sandro; Center for Cancer Research, from Purdue University, $3,645, “Molecular Nanomachines for Reprogramming of Innate Immunity for Personalized Cancer Immunotherapy.”

Matson, Eric T; computer and information technology, from Chugnham National University, $129,911, “Chungnam-Purdue National Center for Excellence in Software Program 2018.”

McDaniel, Rebecca S and Olek, Jan; civil engineering, from Indiana Department of Transportation, $150,832, “Real Life Experience with Major Pavement Types.”


Mesecar, Andrew D; biochemistry, from Loyola University Chicago, $293,217, “Mechanisms of Viral Proteases in Coronavirus Replication and Pathogenesis; Amendment 2; Grant 107797.”

Meyer, Scott E; mechanical engineering, from Sierra Nevada Corporation, $110,475, “GOX/Methane Testing.”

Meyer, Terrence R and Slipchenko, Mikhail N; mechanical engineering, from Spectral Energies, LLC, $240,124, “Experimentally Derived Scaling Laws from Spatiotemporally Resolved Measurements in High-Pressure Combustors.”

Miller, Jeffrey T; chemical engineering, from Argonne National Laboratory, $10,000, “X-Ray Absorption Studies of Nrel Catalysts; Modification 7; Grant 107610.”

Mishra, Dharmendra K; food sciences, from B&R Enterprises, LLC, $50, “Multi-Sponsored Gift.”

Mishra, Dharmendra K; food sciences, from Ayo Lapite, $75, “Multi-Sponsored Gift.”

Mishra, Dharmendra K; food sciences, from Ginn Farms, $75, “Multi-Sponsored Gift.”

Mishra, Dharmendra K; food sciences, from Dan S or Christine A Griffin, $50, “Multi-Sponsored Gift.”

Mohammadi, Mohsen; agronomy, from Agricultural Research Service, $9,350, “Acquisition of Goods and Services.”

Mohammadi, Mohsen; agronomy, from Agricultural Research Service, $73,415, “Improvement of Soft Winter Wheat that is Resistant to FHB and Adapted to Eastern USA.”

Mohammadi, Mohsen; agronomy, from Agricultural Research Service, $75,000, “Hessian Fly-Resistance in Wheat.”

Morisette, Dallas T; electrical & computer engineering, from II-VI Foundation, $231,591, “Deposited Gate Oxides for Next Generation SiC Power MOSFETS.”

Morisette, Dallas T; electrical & computer engineering, from Sonrisa Research Inc, $113,117, “Radical Innovations in SiC Power Devices.”

Morita-Mullaney, Patricia M; Chiu, Ming Ming and Wright, Wayne E; curriculum and instruction, educational studies, from U.S. Department of Education, $246,546, “Project Puede: Parent and Professional Understanding for Equity in Dual Language Education.”

Mukherjee, Partha P; mechanical engineering, from Face Foundation, $10,000, “Mechanics-Chemistry Interactions in Energy Storage – Pratha Mukherjee.”

Mukherjee, Partha P; mechanical engineering, from Texas Instruments, Inc., $80,000, “Li-Ion Cell Cycle Life & Safety Research.”

Mukherjee, Partha P; mechanical engineering, from Office of Naval Research, $71,021, “Mesoscale Interactions in Lithium Plating/Dendrite Formation.”

Nagy, Zoltan; chemical engineering, from International Fine Particle Research Institute Inc, $12,000, “INTNL Gift.”

Newton, Kathy A; technology, leadership & innovation, from Winifred B. Bilsland Endowment, $9,000, “Park, Gilchan.”

Niser, John C; hospitality & tourism management, from Escuela Hoteleria Turismo Sant Pol, $3,330, “HSD Consortium.”
Oakes to Schneider

Oakes, William C; engineering education, from Multi-Sponsored Industrials, $60,165, “Engineering Projects in Community Service (EPICS) (301273).”

Orvis, Kathryn S; youth development and agricultural education, from Ross Graduate Fellowship-Assistanship, $31,904, “Nzaranyimanana,” Theoneste.

Owens, Phillip R; agronomy, from Catholic Relief Services, $10,142, “From Guessing to Precision – Soil Fertility Management in Central America – Getting the Dots Connected.”

Paladino, Frank V; biology, from Earthwatch, $135,360, “Costa Rican Sea Turtles 2017-18.”

Paniagua Perez, Guillermo; mechanical engineering, from Bina- rional Science Foundation, $29,700, “Energetic Modulation of the Thermal Boundary Layer Evolution.”

Parashar, Neeti; chemistry and physics, from University of Notre Dame, $16,840, “QuarkNet Program at Purdue University Northwest.”

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

Pekarek, Steven D and Sudhoff, Scott D; electrical & computer engineering, from Raytheon, $26,000, “Stability of Optimized MVDC Architectures.”

Peroulis, Dimitrios; electrical & computer engineering, from IMA Life, $7,500, “IMA Life.”

Peroulis, Dimitrios; electrical & computer engineering, from Indiana Microelectronics LLC, $224,527, “Feedback and Control with Integrating Sphere for Phonon and Infrared Photon Properties of Micromachined 3-D Radio Frequency (RF) Filters.”


Plaut, Karen I; agriculture – administration, from Agricultural Research Service, $35,500, “Acquisition of Goods and Services.”

Pol, Vilas G; chemical engineering, from Mexico National Council of Science and Technology (CONACYT), $30,000, “Development of Advanced Electrodes of Sn, Sn and C as Anodes Low Cost Sodium Ion Batteries.”

Pothen, Alex; computer science, from Pacific Northwest National Laboratory, $80,796, “ExaGraph: Combinatorial Methods for Enabling Exascale Applications.”

Pourpoint, Timothee L; aeronautics & astronautics, from Ultramet, $85,000, “Open Pore Foams as High Surface Area Heaters for Hydrogen Gas.”

Purpura, David J; human development and family studies, from University of Denver, $19,661, “Evaluating the Efficacy of Learning Trajectories in Early Mathematics; Amendment 2; Grant 108117.”

Pyra̜k-Nolte, Laura J and Bobet, Antonio; physics and astronomy, civil engineering, from Sandia National Laboratories, $137,708, “Test Rock Specimens – LDRD.”

Rainey, Katherine Martin; agronomy, from United Soybean Board, $915,831, “Modifying Soluble Carbohydrates in Soybean Seed for Enhanced Nutritional Energy Meal – Year 2.”

Ramirez, Julio Alfonso; civil engineering, from National Science Foundation, $49,815, “NHRI Network Coordination Office.” (a Discovery Park award – NEESComm)

Ramkrishna, Doraiswami; chemical engineering, from Indiana University, $6,900, “Pharmacometabonomics Approach for Early Prediction of Vincristine-Induced Peripheral Neuropathy.”

Rao, P Suresh C and Niyogi, Devdutta S; civil engineering, agronomy, from National Aeronautics and Space Administration, $45,000, “Analysis of the Spatio-Temporal Dynamics of Intra-Urban High Heat Stress Zones in Fractal Cities During a Heat Wave.”

Rathfon, Ronald A; forestry and natural resources, from Bayer Corporation, $4,000, “Bayer Voluntary Support.”

Ribeiro, Fabio H; chemical engineering, from U.S. Department of Energy, $155,872, “Fundamental Studies on the Kinetics of Oxidation Reactions; Modification 16; Grant 101801.”

Ricker-Gilbert, Jacob E and Baributsa, Dieudonne; agricultural economics, entomology, for Agency for International Development, $275,000, “Increasing Malawian Smallholder Farmers – Access to Improved Storage Technology and Credit.”

Robinson, Joseph Paul and Rajwa, Bartłomiej P; basic medical sciences, from Boston University, Trustees of, $80,214, “High-Throughput High-Content Single Cell Analysis by Multichannel Stimulated Raman Flow Cytometry.”


Rossmann, Michael G; biological sciences, from Washington University, $25,115, “Antibody-Based Protection Against Dengue Virus.”

Rossmann, Michael G and Kuhn, Richard J; biological sciences, from Washington University, $294,581, “Antibody-Based Protection Against Dengue Virus; Amendment 4; Grant 106672.”

Roy, Kaushik; electrical & computer engineering, from University of Pennsylvania, $180,000, “New Phase Change Materials for Photonics: From In-Silico Design to Novel Device Concepts.”

Ruan, Xiulin; mechanical engineering, from Air Force Office of Scientific Research, $84,507, “Acquisition of an FTIR Spectrometer with Integrating Sphere for Phonon and Infrared Photon Properties Characterizations.”

Scharf, Michael E; Jenkins, Michael A and Meilan, Richard; entomology, forestry and natural resources, from Ento Bio, $248,000, “STTR Phase II: Termite-Derived Enzymatic Tree Herbicides.”

Scharf, Michael E; entomology, from Robert or Karen Taver, $2,000, “Multi-Sponsor.”

Schneider, Steven P; aeronautics & astronautics, from Raytheon, $90,000, “Extending Mach-6 Quiet Tunnel Operation to Lower Reynolds Numbers and to Helium to Support Additional Forward-Facing Cavity Tests.”

Schneider, Steven P; aeronautics & astronautics, from Office of Naval Research, $71,000, “Towards a Mechanism-Based Procedure for Predicting Boundary-Layer Transition on Slender Models.”
**Scott to Varala**

**Scott, David E.** Office of the Indiana State Chemist, from Environmental Protection Agency, $189,774, “FY 2018 Pesticide Cooperative Agreement.”


**Scott-Moncrieff, Joanna C R.** veterinary clinical sciences, from North Central Veterinary Emergency Center LLC, $3,750, “ECC Residency Training Program.”

**Scott-Moncrieff, Joanna C R.** veterinary clinical sciences, from Veterinary Vision of Rochester, $11,284, “Radiology Residency Support.”


**Sheehan, Amy Heck.** pharmacy practice, from Janssen Scientific Affairs, $115,974, “FDA/Purdue/ Janssen Scientific Affairs Drug Information Pharmaceutical Fellowship.”

**Shih, Tom I-P.; Bolton, J Stuart and Heister, Stephen D.** aeronautics & astronautics, mechanical engineering, from The Boeing Company, $86,296, “Advance Air-Oil Cooler.”

**Shin, Yung C.** mechanical engineering, from Idaho National Laboratory, $39,250, “Additive Manufacturing of Surrogate Metallic Fuel Products.”

**Sinfield, Joseph V.** civil engineering, from Procter & Gamble Company, $203,276, “Applying and Systematizing the ‘Enabling Innovation – Model.”


**Staiger, Christopher J.** botany and plant pathology, from Gowan Company, $1,500, “Voluntary Support Account.”

**Stewart, Kara R.; Anderson, Theresa M.; Ferreira, Christina R and Schinckel, Allan P.** animal sciences, medicinal chemistry and molecular pharmacology, from National Pork Board, $75,079, “Lipidome Markers Used for Gilt Selection.”

**Stewart, Kara R.** animal sciences, from Indiana Pork Producers Association Inc., $27,706, “Statement of Work (SOW) Farm Educational Video Series.”


**Subbarayan-Shastri, Ganesh.** mechanical engineering, from Semiconductor Research Corporation, $95,000, “Characterization of Mechanical Properties of Passivated Metal Lines; Amendment 2; Grant 208856.”

**Taleyarkhan, Rusi P.** nuclear engineering, from Oak Ridge National Laboratory, $174,000, “Novel, Low-Cost, Light-Weight High Efficiency (H* Capable) Neutron Detector-Dosimeter.”

**Taleyarkhan, Rusi P.** nuclear engineering, from Sagamore/Adams Laboratories LLC, $204,747, “Prototype Development and Assessments for Industrial Applications of Select Purdue Nuclear Engineering Metastable Fluid Research Laboratory Technologies.”

**Tao, Weiguo Andy.** Center for Cancer Research, from Purdue University, $4,000, “Developing Exosome Phosphoproteins – Bladder Cancer Detection.”

**Tarko, Andrew P.** civil engineering, from Indiana Department of Transportation, $65,000, “Indiana Department of Transportation (INDOT) Road Network Screening for Safety Needs.”

**Taylor, Lynne S.** industrial and physical pharmacy, from PHS-FDA Food and Drug Administration, $227,336, “Phase Behavior and Transformation Kinetics of a Poorly Water Soluble Weakly Basic Drug Upon Transit from Low to High pH Conditions.”

**Thompson, David H.** center for cancer research, from Purdue University, $9,000, “Development of Small Molecule Affinity Capture Grids for CryoEM: Novel Grid Coatings that Dangle Small Molecule Bait for Capture & SPA of Target Proteins.”

**Tormoehlen, Roger L.** agricultural & biological engineering, from Air Bridge LLC, $15,000, “Multi-Sponsored Gift (301745).”

**Torres, Monica.** mathematics, from Simons Foundation, $42,000, “Geometric Measure Theory, Nonlinear Pde and Shape Optimization.”

**Turco, Ronald F.** agronomy, from Lynn Interdisciplinary Graduate Fellowship, $29,526, “Bartholomew, Sarah.”

**Ukkusuri, Satish V.** civil engineering, from Indiana Department of Transportation, $162,403, “Performance of Right-Turn Lane Designs at Intersections.”

**Ukkusuri, Satish V; Sundaram, Shreyas and Lee, Seung Yoon;** civil engineering, electrical & computer engineering, communications, from National Science Foundation, $40,000, “Crisp Type 2: Collaborative Research: Critical Transitions in the Resilience and Recovery of Interdependent Social and Physical Networks.”

**Umberger, Gloria H.** polytech-administration, from Purdue Research Foundation, $270,000, “Careermaker – Crane Westgate Academy Program Support.”

**Unknown Coeus Person.** animal sciences, from Agricultural Research Service, $21,318, “Probiotic, Bacillus Subtilis, Prevents Feather Pecking and Cannibalism in Laying Hens.”


**Vacca, Andrea.** agricultural & biological engineering, from CNH – Hydraulic Competency Center, $42,351, “Electronic Braking System for Wheel Loaders.”

**Varala, Kranthi K.** horticulture and landscape architecture, from New York University, $89,862, “Evonet: A Phylogenomic and Systems Biology Approach to Identify Genes Underlying Plant Survival in Marginal, Low-Nitrogen Soils; Amendment 1.”
Vijaykumar to Zink

Vijaykumar, T N and Thottethodi, Mithuna S; electrical & computer engineering, from SK Hynix Inc, $155,993, “PNN Architecture for Big Data.”

Voyles, Richard M; Wu, Wenzhuo; Benes, Bedrich; Newell, Brittany A and Ramani, Karthik; engineering technology, industrial engineering, computer graphics technology, mechanical engineering, from National Science Foundation, $1,867,017, “Magnetic Resonance Imaging (MRI): Development of a Next-Generation 3-D Printer for Smart Product Design – Purdue Polymermakers.”

Wasserman, Adam; chemistry, from DOE-ER-Basic Energy Sciences Chemistry, $100,000, “Towards Linear Scaling Electronics Structure via Partition Density Functional Theory.”


Yang, Won Sik; nuclear engineering, from Argonne National Laboratory, $8,000, “Support to the Software Verification and Software Validation of REBUS-PC V1.5.”

Yaninek, John S and Bledsoe, Larry W; entomology, from Indiana Department of Natural Resources, $70,264, “Indiana Cooperative Agricultural Pest Survey Work Plans and Budgets Federal FY 2017.”

Ye, Dong Hye; electrical & computer engineering, from Northeastern University, $29,489, “Adaptive Automatic Target Recognition for Computed Tomography (CT)-Based Object Detection Systems; Amendment 1, Grant 108760.”

Ye, Peide; Xu, Xianfan and Zemlyanov, Dmitry Y; electrical & computer engineering, mechanical engineering, from National Science Foundation, $500,000, “EFRI 2-DARE: Phosphorene, an Unexplored 2D High-Mobility Semiconductor.”

Young, Bryan G; botany and plant pathology, from Rosens Inc, $7,850, “Multi-Sponsored Gift Account.”

Young, Bryan G; botany and plant pathology, from Precision Laboratories Inc., $15,600, “Multi-Sponsored Gift Account.”

Young, Bryan G; botany and plant pathology, from Precision Laboratories Inc., $1,125, “Multi-Sponsored Gift Account.”

Youngblood, Jeffrey P; materials engineering, from Toyota Motor Manufacturing Inc., $55,000, “Preparation of Cellulose Nanofibril (CNF) High Strength Laminates – Phase 2.”

Zentner, Michael G; RCAC, from Leidos, $4,553, “Establishing a Biomedical Citizen Science Hub for the National Cancer Institute; Modification 8; Grant 107961.”

Zentner, Michael G; RCAC, from Leidos, $40,979, “Establishing a Biomedical Citizen Science Hub for the National Cancer Institute; Modification 8; Grant 107961.”

Zhang, Haocheng; physics and astronomy, from National Aeronautics and Space Administration, $57,870, “Probing Blazar Magnetization and Magnetic Field Evolution with Magnetohydrodynamics (MHD) Study of Multi-Wavelength Polarized Variability.”

Zhang, Xiangyu; computer science, from National Science Foundation, $147,000, “EAGER: A Python Program Analysis Infrastructure to Facilitate Better Data Processing.”

Zhang, Xiangyu and Xu, Dongyan; computer science, from Office of Naval Research, $75,000, “Learn-to-Reason: a Probabilistic Binary Analysis Infrastructure and its Application in Binary Reduction.”

Zhou, Chenn Qian and Silaen, Armin K; Center for Innovation through Visualization and Simulation, from Arcelormittal USA, $21,405, “CFD Modeling on NG/GCI Injection at BHD (Phase I).”

Zhou, Chenn Qian; mechanical and civil engineering, from NiSource Charitable Foundation, $45,000, “Steel Manufacturing Visualization and Simulation Consortium (SMVSC) Membership.”

Zillich, Alan J; pharmacy practice, from Eskenazi Health, $492,897, “Co-Funded Position in Adult Medicine with Eskenazi Hospital.”

Zink, Richard J; industrial engineering, from Safe Kids, $55,000, “Detailed Investigation of Storage Containers and Medications Involved in Pediatric Unsupervised Medication Exposures.” (a Discovery Park award – Regenstrief Center for Healthcare Engineering)