

# DIMENSIONS *of* DISCOVERY

## Sponsored Program Awards

July 2016

### Aggarwal to Brush

**Aggarwal, Vaneet**; industrial engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Alabbasi, Abubakr.”

**Alexeenko, Alina** and **Topp, Elizabeth M**; aeronautical & astronautical engineering, industrial & physical pharmacy, from Pancopia, \$30,000, “Lyophilization Development for Biological Wastewater Treatment.”

**Ambrose, Rose Prabin K**; agricultural & biological engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Pathak, Vaibhav.”

**Applegate, Bruce M**; food science, from Smithfoods Inc, \$10,000, “Food Microbiology Research.”

**Ardekani, Arezoo M**; mechanical engineering, from Lynn Interdisciplinary Graduate Fellowship, \$28,462, “Huang, Ziyang.”

**Arling, Gregory W** and **Abrahamson, Kathleen A**; nursing, from Indiana University, \$33,070, “Initiative to Reduce Avoidable Hospitalizations Among Nursing Facility Residents – Payment Reform.”

**Aubeneau, Antoine F**; civil engineering, from Lynn Interdisciplinary Graduate Fellowship, \$28,963, “Bertasselo, Leonardo Enrico.”

**Bahr, David F**; materials engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Schlup, Andrew.”

**Bahr, David F**; materials engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Mathur, Nehika.”

**Baird, Aubrey N** and **Lescun, Timothy B**; veterinary clinical science, from Indiana University School of Medicine, \$46,547, “Pilot Investigation of Bladder Augmentation.”

**Basu, Saugata**; mathematics, from National Science Foundation, \$399,640, “Af: Small: Quantitative and Algorithmic Aspects of Semi-Algebraic Sets and Partitions.”

**Beamon, Yolanda H**; Education Opportunities Program — Calumet campus, from U.S. Department of Education, \$508,452, “Purdue University (Calumet) Upward Bound Program.”

**Beaulieu, Lionel J** and **Goosen, Robert K**; Track Express — Center for Regional Development, technical assistance program, from University of Michigan, \$1,268,540, “Defense Manufacturing Assistance Program — Phase II.”

**Beckerman, Janna L**; botany & plant pathology, from BASF Corporation, \$5,520, “BASF Fungicide Trial.”

**Bentley, Robin T**; veterinary clinical science, from Purdue University, \$13,000, “Brain Tumor Banking in a Canine Model of Spontaneous Brain Tumors.”

**Bertolet, Rodney J**; philosophy, from Ross Graduate Fellowship/Assistantship, \$18,538, “Eckley, Brian.”

**Bertolet, Rodney J**; philosophy, from Ross Graduate Fellowship/Assistantship, \$18,538, “Fritz, Matthew.”

**Bhunja, Arun K**; food science, from Korea Food Res Institute, \$29,870, “Development of Safety Management System and Inhibition Technology to Prevent Foodborne Outbreak in Cafeteria, Year 3 Funding.”

**Biehl, Larry L**; academic technologies, from Americaview Inc, \$23,500, “Stateview Program Development and Operations for the State of Indiana.”

**Bofferding, Laura C**; curriculum & instruction, from National Science Foundation, \$141,297, “Faculty Early Career Development (CAREER): Leveraging Contrasting Cases to Investigate Integer Understanding.”

**Boltasseva, Alexandra**; Kildishev, Alexander V and Shalae, Vladimir M; electrical & computer engineering, from National Science Foundation, \$332,700, “OP: Enabling High-Temperature Photonic Technologies with Plasmonic Ceramics.”

**Boltasseva, Alexandra**; electrical & computer engineering, from Air Force Office of Scientific Research, \$85,000, “CMOS-Compatible Plasmonics for Hybrid Nanophotonic Circuits.”

**Bolton, J S**; mechanical engineering, from 3M General Offices, \$140,000, “Study of Acoustic and Damping Materials.”

**Bouman, Charles A**; electrical & computer engineering, from Universal Technology Corporation, \$45,936, “The Use of Physics Modeling for Fusion and Inversion of Image Data at Multiple Acquisition Resolutions.”

**Bouman, Charles A** and **Comer, Mary L**; electrical & computer engineering, from Carnegie-Mellon University, \$260,000, “Managing the Mosaic of Microstructure; Amendment 7.”

**Bowling, Laura C**; agronomy, from Agricultural Research Service, \$70,000, “Effects of Surface-Subsurface Hyporheic Exchange Processes on Chemical Transport and Transient Storage.”

**Bowling, Laura C**; agronomy, from Winifred B. Bilsland Endowment, \$21,188, “Hoover, Fushcia-Ann.”

**Brouder, Sylvie M**; agronomy, from Lynn Interdisciplinary Graduate Fellowship, \$28,818, “Welikhe, Pauline.”

**Brush, Thomas H**; management, from Ross Graduate Fellowship/Assistantship, \$15,278, “Ruan, Fangcheng.”

**Brush, Thomas H**; management, from Purdue University F N Andrews Fellowship, \$14,322, “Ferguson, Victor.”

**Brush, Thomas H**; management, from Purdue University F N Andrews Fellowship, \$14,322, “Lou, Rixing.”

**Brush, Thomas H**; management, from Ross Graduate Fellowship/Assistantship, \$15,278, “Yee, Ha Yoon.”

## Buhman to Field

**Buhman, Kimberly K;** foods & nutrition, from Purdue University, \$7,990, "Identify the Specific Role of DGAT1 in Dietary Fat Absorption."

**Bullock, Darcy M;** civil engineering, from Indiana Department of Transportation, \$10,306, "SPR-3947 Precast Slab Pilot Implementation."

**Bullock, Darcy M;** civil engineering, from ITE Great Lakes District, \$700, "Joint Transportation Research Program (JTRP) Supplementary Research Account."

**Buzzard, Gregory T;** mathematics, from Ross Graduate Fellowship/Assistantship, \$18,487, "Vo, Myvan."

**Buzzard, Gregory T;** mathematics, from Winifred B. Bilsland Endowment, \$17,855, "Miller, Nicholas."

**Buzzard, Gregory T;** mathematics, from Lynn Interdisciplinary Graduate Fellowship, \$18,487, "Huang, Fukeng."

**Buzzard, Gregory T;** mathematics, from Winifred B. Bilsland Endowment, \$17,855, "Zhao, Yue."

**Buzzard, Gregory T;** mathematics, from Purdue Doctoral Program, \$22,688, "Rhoads, David."

**Buzzard, Gregory T;** mathematics, from Ross Graduate Fellowship/Assistantship, \$18,487, "Coupek, Pavel."

**Buzzard, Gregory T;** mathematics, from Purdue Doctoral Program, \$22,688, "Esqueda, Arianna."

**Buzzard, Gregory T;** mathematics, from Purdue University F N Andrews Fellowship, \$18,487, "Himes, Zachary."

**Buzzard, Gregory T;** mathematics, from Ross Graduate Fellowship/Assistantship, \$18,487, "Rodgers, Austin."

**Catlin, Ann C;** academic technologies, from Yale University, \$49,018, "A Bioecological Pediatric HIV Disclosure Intervent in Ghana - SANKOF; Amendment 4; (NCE for Grant 106395)."

**Chapple, Clint C; Doudareva, Natalia and Morgan, John A;** biochemistry, horticulture & landscape architecture, chemical engineering, from U.S. Department of Energy, \$1,043,058, "Modeling and Manipulating Phenylpropanoid Pathway Flux for Bioenergy."

**Chavas, Daniel R;** earth & atmospheric sciences, from Purdue University F N Andrews Fellowship, \$28,963, "Simmons, Shawn."

**Chen, Weinong W;** aeronautical & astronautical engineering, from Procter & Gamble Company, \$70,027, "High Rate Monotonic and Cyclic Tensile of Polymer Single Fibers."

**Cheng, Gary J;** industrial engineering, from National Institute of Standards & Technology, \$107,622, "Modeling and Process Development of Nanomaterials Integrated Additive Manufacturing for Beneficial Residual Stress, Microstructure and Superior Mechan; Amendment 2."

**Cheng, Guang;** statistics, from Office of Naval Research, \$96,331, "Statistical and Computational Tradeoffs in Massive Data."

**Cheng, Ji-Xin;** biomedical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, "Yang, Guang."

**Choi, Jong Hyun;** mechanical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, "Wang, Tianyi."

**Clawson, Rosalee A;** political science, from Ross Graduate Fellowship/Assistantship, \$18,538, "Hustedt, Anthony."

**Cleveland, William S;** statistics, from Stanford University, \$75,000, "D&R for Large Complex Data; Amendment 9; (Grant 106346)."

**Cooks, Robert G;** chemistry, from Michael J. Fox Foundation, \$96,494, "Point-of-Care Diagnosis for Parkinson's Disease in Cerebrospinal Fluid Samples by Ambient Ionization Mass Spectrometry."

**Cooper, Bruce R and Kuhn, Richard J;** biological sciences, from Purdue University, \$97,480, "15-16 Laboratory & University Core Facility Research Equipment Program." (a Discovery Park award — Bindley Bioscience Center)

**Csathy, Gabor A;** physics, from National Science Foundation, \$119,336, "Probing Non-Abelian Quasiparticles with Johnson Noise Limited Measurements."

**Culurciello, Eugenio;** biomedical engineering, from Office of Naval Research, \$184,000, "Software and Hardware for Deep Learning of Video Sequences."

**Deering, Amanda J; Aime, Mary C and Pruitt, Robert E;** food science, botany & plant pathology, from Mid-America Food Processors Association, \$5,000, "Examination of the Microbial Populations Responsible for Spoilage of Processed Tomato Products and Determination of Contamination Source."

**DeLaurentis, Daniel A and Crossley, William A;** aeronautical & astronautical engineering, from Federal Aviation Administration, \$50,000, "Aircraft Technology Modeling and Assessment."

**Deshmukh, Abhijit V;** industrial engineering, from David M. Knox Endowment, \$21,188, "Berns, Marissa."

**Doudareva, Natalia;** biochemistry, from Rural Development Administration of the Republic of Korea, \$50,000, "Understanding Aromatic Amino Acid Biosynthesis for Enhancement of Phenylpropanoid Derived Metabolites."

**Dyke, Shirley J and Benes, Bedrich;** mechanical engineering, computer graphics technology, from National Science Foundation, \$299,999, "Enabling Time-Critical Decision-Support through Automated Visual Data Analytics."

**Ebert, David S;** electrical & computer engineering, from U.S. Department of Homeland Security, \$50,000, "Vaccine Center/United States Air Force Academy Workshop Proposal Fall 2017."

**Ebert, David S;** electrical & computer engineering, from U.S. Department of Homeland Security, \$700,000, "Vaccine Center Year 8." (a Discovery Park award — Discovery Park administration)

**Ferraro, Kenneth F;** sociology, from Lynn Interdisciplinary Graduate Fellowship, \$31,848, "Zaborenko, Callie."

**Ferraro, Kenneth F;** sociology, from Ross Graduate Fellowship/Assistantship, \$18,538, "Hu, Jiayin."

**Ferraro, Kenneth F;** sociology, from Ross Graduate Fellowship/Assistantship, \$18,538, "Hansford, Smanatha."

**Field, William E;** agricultural & biological engineering, from Monsanto Company, \$10,000, "Breaking New Ground."

**Field, William E and Chastain, Cindra M;** agricultural & biological engineering, from Farmer Veteran Coalition, \$45,000, "Supportive, Small Scale Basic Livestock, Financial Skills and Risk Management Training for Beginning Veteran Farmers Programs."

## Finley to Gkritza

**Finley, John P;** physics, from Lynn Interdisciplinary Graduate Fellowship, \$18,487, “Simmons, Forrest.”

**Finley, John P;** physics, from Ross Graduate Fellowship/Assistantship, \$18,487, “Khare, Rishabh.”

**Finley, John P;** physics, from Ross Graduate Fellowship/Assistantship, \$18,487, “Feng, Yiyang.”

**Finley, John P;** physics, from Winifred B. Bilsland Endowment, \$9,846, “Stadnytskyi, Valentyn.”

**Finley, John P;** physics, from Winifred B. Bilsland Endowment, \$10,609, “Reichard, Shayne.”

**Finley, John P;** physics, from Purdue Doctoral Program, \$18,487, “Burns, Branden.”

**Foster, Kenneth A;** agricultural economics, from Winifred B. Bilsland Endowment, \$10,556, “Pena Levano, Luis.”

**Foster, Kenneth A;** agricultural economics, from Ross Graduate Fellowship/Assistantship, \$28,963, “Scott, Francisco.”

**Fouche, Rayvon D;** interdisciplinary studies, from Lynn Interdisciplinary Graduate Fellowship, \$18,538, “Schnurr, Ryan.”

**Fouche, Rayvon D;** interdisciplinary studies, from Purdue Doctoral Program, \$21,188, “Hackett, Dawn.”

**Fouche, Rayvon D;** interdisciplinary studies, from Purdue University F N Andrews Fellowship, \$19,188, “Cienfuegos, Javier A.”

**Fouche, Rayvon D;** interdisciplinary studies, from Purdue Doctoral Program, \$21,188, “Scettrini, Bethany.”

**Fouche, Rayvon D;** interdisciplinary studies, from Purdue University Special Initiative Program, \$22,818, “Webb, Naeemah.”

**Fouche, Rayvon D;** interdisciplinary studies, from Purdue Doctoral Program, \$21,188, “Leon, Rocio.”

**Fouche, Rayvon D;** interdisciplinary studies, from Winifred B. Bilsland Endowment, \$21,188, “Halliday, Aria.”

**Fox, Edward A;** psychological science, from Purdue University, \$15,000, “Dissection of the Brain Circuit that Controls Meal Size.”

**Freed, Andrew M;** earth & atmospheric sciences, from National Aeronautics and Space Administration, \$130,000, “The Evolution of Large Impact Basins on the Moon, Mercury, and Mars.”

**Freeman, Lynetta;** veterinary clinical science, from Best Friends Animal Society, \$5,000, “Best Friends Support for Priority 4 Paws.”

**Froehlich, Peter C; Weldon, Sirje L; Mullins, James L; Clawson, Rosalee A; Deshmukh, Abhijit V; Diaz De La Rubia, Tomas J and Remis, Melissa J;** library administration, political science, industrial engineering, vice president for research, liberal arts - administration, from Andrew W. Mellon Foundation, \$750,000, “Breaking through: Developing Multidisciplinary Solutions to Global Grand Challenges.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Rantz, Emily.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Kao, Der-Shyang.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Chandrasekaran, Chandee.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Kim, Hyunjin.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Lendy, Emma.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Wu, Hanrul.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Tang, Yu.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Loperena-Medina, Sue Heidi.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Nicholis, Conrad.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Moore, Jasmine.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Herr, Seth.”

**Gabauer, Colleen L;** graduate school administration, from Interdisciplinary Fellowships, \$28,220, “Eckhardt, Matthew.”

**Gallant, Kathleen H;** foods & nutrition, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, \$138,109, “Phosphorus Absorption and Balance in Normal Physiology and Chronic Kidney Disease.”

**Garimella, Suresh V;** mechanical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Roy, Rishav.”

**Garimella, Suresh V;** mechanical engineering, from Laird Technologies, \$7,500, “Cooling Technologies Research Center (CTRC) 2012-2013 Membership — Memo Match for 10602.”

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

**Gavin, Timothy P;** health & kinesiology, from Purdue University F N Andrews Fellowship, \$28,963, “Cui, Chuyi.”

**Gerber, Corey K;** agronomy, from Dow Agro Sciences, \$2,500, “Crop Diagnostic Training and Research Center.”

**Gerber, Corey K;** agronomy, from Pioneer Hi-Bred International, Inc., \$4,376, “Crop Diagnostic Training and Research Center.”

**Gerber, Corey K;** agronomy, from Co-Alliance, \$1,250, “Crop Diagnostic Training and Research Center.”

**Ginzel, Matthew D;** entomology, from Arbor America Inc, \$3,222, “Multi Sponsor.”

**Ginzel, Matthew D;** entomology, from U.S. Forest Service, \$14,277, “Scolytine Beetles Colonizing TCD Symptomatic Juglans Nigra.”

**Ginzel, Matthew D;** entomology, from U.S. Forest Service, \$23,038, “Scolytine Beetles Colonizing TCD Symptomatic Juglans Nigra.”

**Gkritza, Konstantina;** civil engineering, from Indiana Department of Transportation, \$159,100, “Evaluating Opportunities to Enhance the Hoosier State Train Ridership through a Survey of Riders” Opinions and an Assessment of Access to the Line.”



## Goforth to Hurt

**Goforth, Reuben R;** forestry & natural resources, from U.S. Geological Survey, \$14,107, “Correlating Asian Carp eDNA and/or Microbial Tracking Technologies with Telemetry Data in the Wabash River.”

**Goni Cortes, Joaquin;** industrial engineering, from Lynn Interdisciplinary Graduate Fellowship, \$28,963, “Viswanathan, Vibha.”

**Govindaraju, Rao S;** civil engineering, from American Society of Civil Engineers, \$6,125, “Support for the Asce Journal of Hydrologic Engineering.”

**Gray, Colin M;** computer graphics technology, from Purdue University, \$10,400, “Purdue Research Foundation (PRF) Summer Faculty Grant, FY 16-17.”

**Greeley, Jeffrey P;** chemical engineering, from 3M Pharmaceuticals, \$155,138, “Ultrathin Film Catalysts for the Oxygen Reduction Reaction.”

**Guan, Wenjing;** horticulture & landscape architecture, from Ag Nutrition LLC, \$3,500, “Chris Gunter General Research Activities.”

**Hadley, Vickie J;** field extension agents, from Scan Inc, \$675, “Be Someone Now.”

**Halum, Stacey L and Harbin, Sherry L;** speech, language and hearing sciences, basic medical science, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$436,491, “Muscle Progenitor Cell-Based Implants for Dynamic Laryngeal Muscle Reconstruction.”

**Hamaker, Bruce R and Reuhs, Bradley L;** food science, from Dow Agro Sciences, \$6,500, “Consultation and Analytical Services to Characterize Samples of Soybean Seed Hulls Supplied by Dow Agro Sciences.”

**Han, Qingyou;** engineering technology, from Suzhou Sanji Foundry Equipment Co, \$25,000, “Center for Materials Processing Research (CMPR).”

**Hastak, Makarand;** construction engineering & management, from Abu Dhabi University, \$2,876, “MPM Program.”

**Hastak, Makarand;** construction engineering & management, from Abu Dhabi University, \$7,500, “MPM Program.”

**Heber, Albert J;** agricultural & biological engineering, from Atmosphere Global LLC, \$3,465, “Agricultural Engineering.”

**Heeg, Marlene O;** pharmacy — administration, from Bristol-Myers Squibb Company, \$45,000, “2016 – 2017 Gala Hcv Resistance Meeting Series.”

**Heeg, Marlene O;** pharmacy — administration, from Bayer Pharmaceutical, \$30,000, “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.”

**Heeg, Marlene O;** pharmacy — administration, from Novartis Pharmaceuticals Corporation, \$200,000, “MS Forum III: Charging Ahead: Latest Updates in Diagnosis, Management and Therapies on the Horizon.”

**Heeg, Marlene O;** pharmacy — administration, from Genentech Corporation, Inc., \$400,000, “MS Forum III: Charging Ahead: Latest Updates in Diagnosis, Management and Therapies on the Horizon.”

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

**Henry, Madeleine M;** foreign language & literature, from Ross Graduate Fellowship/Assistantship, \$18,538, “Lustres Alonso, Eduardo.”

**Hertel, Thomas W;** agricultural economics, from European Commission, \$21,235, “Global Trade Analysis Project (GTAP) Consortium.”

**Hertel, Thomas W;** agricultural economics, from Organ. for Economic Co-Operation & Development, \$20,435, “Global Trade Analysis Project (GTAP) Consortium.”

**Hertig, John B;** pharmacy — administration, from Eli Lilly and Company, \$95,490, “Joint Academic/Industry/FDA Medication Safety Fellowship Program.”

**Hogenesch, Harm and Ferreira, Christina R;** comparative pathobiology, from Purdue University, \$9,564, “Identification of Biomarkers for Atopic Dermatitis Using Shotgun Lipidomics.”

**Hook, Tomas O; Quagraine, Kwamena K and Salazar, Kara A;** forestry & natural resources, agricultural economics, Illinois-Indiana Sea Grant Program, from University of Illinois, \$229,154, “2014-18 IL in Sea Grant Omnibus; Amendment 5.”

**Hooser, Stephen B;** Animal Disease Diagnostic Laboratory, from Animal Plant Health Inspection Service, \$138,189, “USDA Nahn FY16 Lab Level 2 Agreement.”

**Horgan, Briony H;** earth & atmospheric sciences, from Lowell Observatory, \$28,553, “Determining the Distribution of Martian Chlorine Salts.”

**Hountz, Randall A;** Regenstrief Center for HealthCare Engineering, from St. Vincent Hospital & Healthcare Center, \$4,650, “Multi Sponsor Htap.” (a Discovery Park award — Regenstrief Center for HealthCare Engineering)

**Howell, Kathleen;** aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$74,000, “A Numerical Method to Generate Reference Trajectories for Optimization Methods to Support Low-Thrust Mission Design; Pritchett, Robert.”

**Howell, Kathleen;** aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$74,000, “Trajectory Design in a Combined Low-Thrust Multi-Body Environment; Cox, Andrew.”

**Hu, Jingwei;** mathematics, from National Science Foundation, \$52,977, “Fast Algorithms for Nonlinear Kinetic Models.”

**Huang, Fang;** biomedical engineering, from Lynn Interdisciplinary Graduate Fellowship, \$29,040, “Ivey, Paula-Marie.”

**Huang, Fang;** biomedical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Zhang, Peiyi.”

**Huang, Libai;** chemistry, from U.S. Department of Energy, \$150,000, “Spatial and Temporal Imaging of Multi-Scale Interfacial Charge Transport in Two-Dimensional Heterostructures.”

**Hurt, R D;** history, from Ross Graduate Fellowship/Assistantship, \$18,538, “Harris, Keith.”

## Irfanoglu to Kuhn

**Irfanoglu, Ayhan**; civil engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, "Pollalis, Willaim."

**Irfanoglu, Ayhan**; civil engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, "Shah, Prateek."

**Janes, David B**; Columbia Initiative, from Escuela De Ingenieria De Antioquia, \$42,746, "PII Colombia Multi Sponsor."

**Janes, David B**; Columbia Initiative, from Escuela De Ingenieria De Antioquia, \$21,062, "PII Colombia Multi Sponsor."

**Jiang, Keyuan**; computer information technology - calumet campus, from Greentree Environmental Services Inc, \$4,465, "EPA Refresher Course Portal."

**Johnson, William G**; botany & plant pathology, from United Phosphorus Inc, \$10,600, "Weed Science Research Voluntary Support."

**Johnson, William G** and **Young, Bryan G**; botany & plant pathology, from Monsanto Company, \$15,120, "Monsanto SO31."

**Johnson, William G** and **Young, Bryan G**; botany & plant pathology, from Monsanto Company, \$19,530, "Monsanto SO30."

**Karava, Panagiota**; civil engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, "Ham, Sang Woo."

**Karpicke, Jeffrey D** and **Ariel, Robert P**; psychological science, from Spencer Foundation, \$50,000, "Training Effective Self-Regulated Learning with a Retrieval-Based Intervention."

**Karpicke, Jeffrey D**; psychological science, from U.S. Department of Education, \$493,446, "Computer-Based Guided Retrieval Practice for Elementary School Children."

**Kenttamaa, Hilkka I**; chemistry, from National Science Foundation, \$299,999, "Gas-Phase and Solution Reactivity Studies on Para-Benzyne Analogs and Related Bi, Tri- and Tetradicals."

**Kenttamaa, Hilkka I**; chemistry, from National Science Foundation, \$53,583, "Gas-Phase and Solution Reactivity Studies on Para-Benzyne Analogs and Related Bi, Tri- and Tetradicals."

**Key, Nicole L**; mechanical engineering, from Honeywell International Foundation Incor, \$265,000, "Honeywell Aerospace Voluntary Support."

**Kinzig, Kimberly P**; psychological science, from Purdue University, \$30,000, "Neuroendocrine Effects of Disordered Eating in Adolescence."

**Kirkpatrick, Jane M**; nursing, from Indiana State Department of Health, \$81,825, "Family Health Clinic of Carroll County: Increasing Access for Rural Populations Supplement."

**Kissinger, Candice B**; chemistry, from Ross Graduate Fellowship/Assistantship, \$28,963, "Lee, Kenny."

**Kissinger, Candice B**; chemistry, from Winifred B. Bilsland Endowment, \$21,188, "Funk, Amy."

**Kissinger, Candice B**; chemistry, from Purdue University F N Andrews Fellowship, \$28,963, "Mash, Brandon."

**Kissinger, Candice B**; chemistry, from Purdue University F N Andrews Fellowship, \$28,457, "Oueis, Yanal."

**Kissinger, Candice B**; chemistry, from Ross Graduate Fellowship/Assistantship, \$28,963, "Simpson, Hannah."

**Kissinger, Candice B**; chemistry, from Ross Graduate Fellowship/Assistantship, \$28,963, "Wu, Meng Yang (Matthew)."

**Kissinger, Candice B**; chemistry, from Purdue University F N Andrews Fellowship, \$28,963, "Quinn, Caitlin."

**Kissinger, Candice B**; chemistry, from Ross Graduate Fellowship/Assistantship, \$28,963, "Ramsey, Ben."

**Kissinger, Candice B**; chemistry, from Ross Graduate Fellowship/Assistantship, \$28,963, "Belcher, Miranda."

**Kissinger, Candice B**; chemistry, from Ross Graduate Fellowship/Assistantship, \$28,963, "Geiger, Andreas."

**Kissinger, Candice B**; chemistry, from Ross Graduate Fellowship/Assistantship, \$28,963, "Fischer, Josh."

**Kissinger, Candice B**; chemistry, from Ross Graduate Fellowship/Assistantship, \$28,963, "Andjaba, John."

**Kissinger, Candice B**; chemistry, from Ross Graduate Fellowship/Assistantship, \$28,963, "Baker, Erica."

**Kissinger, Candice B**; chemistry, from Ross Graduate Fellowship/Assistantship, \$28,963, "Schrader, Robert."

**Kissinger, Candice B**; chemistry, from Purdue Doctoral Program, \$29,950, "Hudson, Brianna."

**Klimeck, Gerhard**; electrical & computer engineering, from Taiwan Semiconductor Manufacturing Co, \$75,000, "Network for Computational Nanotechnology (NCN) Membership."

**Klimeck, Gerhard**; electrical & computer engineering, from University of New South Wales, \$135,000, "QCCM — Solid State Quantum Computer in Silicon - Australian CQCT."

**Knobloch, Neil A**; youth development & agricultural education, from Ross Graduate Fellowship/Assistantship, \$18,487, "Huang, Yujie."

**Konieczny, Stephen F**; biological sciences, from Purdue Doctoral Program, \$22,688, "Gonzalez, Brenda."

**Kramer, Rebecca K**; mechanical engineering, from Other Lab, \$44,426, "Sense: Soft Elastomer Networks for State Estimation."

**Kreisle, Regina A**; medical education, from Indiana University, \$10,000, "Fy16-17 Indiana University School of Medicine (IUSM) Lafayette Life Cycle Fund."

**Kreisle, Regina A**; comparative pathobiology, from Indiana University, \$14,188, "Fy16-17 Indiana University School of Medicine (IUSM) Lafayette Student Activity Fund."

**Kreisle, Regina A**; medical education, from Indiana University, \$14,188, "Fy16-17 Indiana University School of Medicine (IUSM) Lafayette Student Technology Fund."

**Kreisle, Regina A**; medical education, from Indiana University, \$10,000, "Fy16-17 Indiana University School of Medicine (IUSM) Lafayette Student and Faculty Recruitment and Retention."

**Kuhn, Richard J**; biological sciences, from Ross Graduate Fellowship/Assistantship, \$18,487, "Pearson, Mckeith."

**Kuhn, Richard J**; biological sciences, from Ross Graduate Fellowship/Assistantship, \$18,487, "Fu, Jianing."

**Kuhn, Richard J**; biological sciences, from Ross Graduate Fellowship/Assistantship, \$18,487, "Siddons, Spencer."

**Kuhn, Richard J**; biological sciences, from Ross Graduate Fellowship/Assistantship, \$18,487, "Leavell, Brian."

## LaCount to Mattoo

**LaCount, Douglas J; Fekete, Donna M and Kuhn, Richard J;** medicinal chemistry & molecular pharmacology, biological sciences, from Purdue University, \$30,000, “Zika Virus-Centrosome Interactions.”

**Lang, Rafael F;** physics, from National Science Foundation, \$138,000, “Collaborative Research: Continuation of the Xenon Dark Matter Search Program at LNGS.”

**Lee, Chi Hwan and Ziaie, Babak;** mechanical engineering, electrical & computer engineering, from Eli Lilly and Company, \$75,000, “Capacitive Sensor Sticker for Monitoring Powder Flow.”

**Lelievre, Sophie A and Ziaie, Babak;** basic medical science, electrical & computer engineering, from Trask Trust Fund, \$27,061, “Disease-on-a-Chip for Improving the Design and Screening of Anticancer Therapies — Phase II Going High Throughput.”

**Leon-Salas, Walter Daniel;** engineering technology, from Federal Aviation Administration, \$39,301, “Project #10 - LED Taxiway Lighting System Testing and Monitoring.”

**Li, Kai Ming;** mechanical engineering, from Federal Aviation Administration, \$90,000, “Quantifying Uncertainties in Predicting Aircraft Noise in Real-World Situations.”

**Liceaga, Andrea M;** food science, from Bay Valley Foods LLC, \$5,000, “Multi Sponsored Gift- Sensory.”

**Liceaga, Andrea M;** food science, from Bay Valley Foods LLC, \$1,000, “Multi Sponsored Gift- Sensory.”

**Liceaga, Andrea M;** food science, from Weaver Popcorn Company, \$1,000, “Multi Sponsored Gift- Sensory.”

**Liceaga, Andrea M;** food science, from Heartland Food Products Group, \$9,500, “Multi Sponsored Gift- Sensory.”

**Liceaga, Andrea M;** food science, from Bay Valley Foods LLC, \$1,000, “Multi Sponsored Gift- Sensory.”

**Liceaga, Andrea M;** food science, from Bay Valley Foods LLC, \$2,000, “Multi Sponsored Gift- Sensory.”

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

**Linnes, Jacqueline C;** biomedical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Byers, Kristin M.”

**Liu, Chunghong R;** industrial engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Tung, Tsan-Hua.”

**Liu, Shuang;** health sciences, from Purdue Doctoral Program, \$18,487, “Miles, Devin.”

**Liu, Xiaoqi;** biochemistry, from Indiana University School of Medicine, \$27,000, “Enhancing the Efficacy of Olaparib in Castration-Resistant Prostate Cancer.”

**Longuski, James M and Saikia, Sarag J;** aeronautical & astronautical engineering, from Jet Propulsion Laboratory, \$25,000, “The National Aeronautics and Space Administration (NASA) Ice Giants Pre-Decadal-Survey Mission Studies.”

**Lu, Na;** civil engineering, from Argonne National Laboratory, \$18,144, “Low Dimensional Oxide Nanostructures for Thermoelectric Applications.”

**Lu, Na;** civil engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Jiang, Xiaodong.”

**Luke, Eileen M and Hill, Michael A;** CERIS, from Animal Plant Health Inspection Service, \$35,000, “National Plant Diagnostic Network (NPDN) Data Analysis.”

**Luo, Zhao-Qing; Das, Chittaranjan and Jiang, Wen;** biological sciences, chemistry, from Purdue University, \$30,000, “Structural and Functional Study of E1/E2-Independent Ubiquitin Ligases.”

**Ma, Jianxin;** agronomy, from Indiana Soybean Alliance, \$84,940, “Enhancing Soybean Genetic Diversity for High Yield Potential and Scn Resistance (Year 3).”

**Ma, Jianxin;** agronomy, from Indiana Soybean Alliance, \$70,700, “Utilizing Novel Sources of Resistance to Phytophthora Root and Science, Technology, Engineering & Mathematics (STEM) Rot of Soybean.”

**MacDermid Wadsworth, Shelley and Broniarczyk, Kathy M;** child development & family studies, from American Association of Suicidology, \$29,700, “American Association of Suicidology and Star Behavioral Health Provider Registry.”

**MacDermid Wadsworth, Shelley;** child development & family studies, from Winifred B. Bilsland Endowment, \$21,188, “Marini, Christina.”

**MacDermid Wadsworth, Shelley;** child development & family studies, from Purdue Doctoral Program, \$31,243, “Bailey, Keisha.”

**Malandraki, Georgia and Kantarcigil, Cagla;** speech, language and hearing sciences, from Purdue University, \$9,000, “S.M.aR.T (Swallowing Muscle Activation Recorded via Telehealth) Sensors Preliminary Validation Study.”

**Malis, Oana and Manfra, Michael J;** physics, electrical & computer engineering, from National Science Foundation, \$144,046, “Novel Infrared Optical Materials Based on III-Nitride Semiconductors: Growth, Structure and Properties.”

**Manfra, Michael J;** physics, from Microsoft Corporation, \$200,000, “Microsoft Voluntary Support.”

**Marais, Karen; Felisberto Martins Ribeiro, Bruno and Johnson, Mary E;** aeronautical & astronautical engineering, computer science, aviation technology, from Federal Aviation Administration, \$89,095, “Project #5: National General Aviation Flight Information Database (NGAFID).”

**Marinero-Caceres, Esteban E; Boltasseva, Alexandra and Shalae, Vladimir M;** materials engineering, electrical & computer engineering, from Office of Naval Research, \$150,000, “Merging Spintronics and Nanophotonics: the Confluence of Spin, Photons, Plasmons and Charge for Novel Hybrid Photonics and Nano – Electronics Devices.”

**Matson, Eric T;** computer & information technology, from Cruise Automation Inc, \$21,000, “Cruise Automation, Inc. Fellowship for Shiva Ghose.”

**Mattes, Richard D;** foods & nutrition, from Ajinomoto Company, Inc., \$389,891, “The Effects of Aspartame on Appetite, Body Composition and Oral Glucose Tolerance.”

**Mattoo, Seema;** biological sciences, from Purdue University, \$10,000, “Elucidating the Structural and Kinetic Parameters Involved in Fc-mediated Adenylation/Amylation of the ER Chaperone, BiP.”



## Mattson to Peroulis

**Mattson, Marifran**; communication, from Ross Graduate Fellowship/Assistantship, \$18,538, “Lee, Yeunjae.”

**McCann, Maureen C**; biological sciences, from U.S. Department of Energy, \$2,124,750, “Center for Direct Catalytic Conversion of Biomass to Biofuels (C3Bio).”

**McMillan, Sara K**; agricultural & biological engineering, from Purdue University F N Andrews Fellowship, \$28,963, “Johnson, Alexander.”

**Mengiste, Tesfaye D**; botany & plant pathology, from Rural Development Administration, \$35,332, “Transcriptional Systems in Plant Responses to Pathogens.”

**Mengiste, Tesfaye D** and **Ejeta, Gebisa**; botany & plant pathology, agronomy, from Kansas State University, \$59,399, “Genetic Improvement of Sorghum for Resistance to Fungal Pathogens.”

**Mentzer, Nathan**; industrial technology, from Ross Graduate Fellowship/Assistantship, \$17,902, “Jackson, Andrew.”

**Mesecar, Andrew D**; biochemistry, from CRDF Global, \$12,000, “Discovery of Novel Mer-Coronavirus 3CL protease Inhibitors by Combined Structure-Based and Ligand-Based Virtual Screening Followed by in Vitro Validation and Structural Studies.”

**Mesecar, Andrew D** and **Ghosh, Arun K**; biochemistry, from Purdue University, \$30,000, “Memapsin 1 Inhibitors for Treatment of Type 2 Diabetes.”

**Meyer, Terrence R**; mechanical engineering, from National Science Foundation, \$74,843, “Collaborative Research: High Speed Imaging Guided Large Eddy Simulation Model Development for Turbulent Flames.”

**Meyer, Terrence R**; mechanical engineering, from National Science Foundation, \$212,645, “Faculty Early Career Development (CAREER): Ultrafast Time/Frequency Domain Coherent Anti-Stokes Raman Spectroscopy for Combustion and Plasma Systems.”

**Michalski, Greg M**; earth & atmospheric sciences, from Winifred B. Bilsland Endowment, \$19,915, “Walters, Wendell.”

**Mickelbart, Michael V**; horticulture & landscape architecture, from Purdue University F N Andrews Fellowship, \$28,963, “Mano, Noel.”

**Miloshevsky, Gennady**; nuclear engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Dressman, Phillip.”

**Minton, David A**; earth & atmospheric sciences, from Arizona State University, \$85,280, “Stop Hitting Yourself: Did Most Terrestrial Impactors Originate from Terrestrial Planets?”

**Mittal, Suresh K**; comparative pathobiology, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$397,429, “Adenoviral Vector-Based Pandemic Influenza Vaccine.”

**Mohammadi, Mohsen**; agronomy, from Agricultural Research Service, \$53,878, “New Modes of Wheat Resistance Against Hessian Fly.”

**Mudawar, Issam**; mechanical engineering, from National Aeronautics and Space Administration, \$40,000, “Flow Boiling and Condensation Experiment (FBCE).”

**Nauman, Eric A**; mechanical engineering, from Purdue Doctoral Program, \$21,188, “Lee, Taylor.”

**Neumeister, Norbert**; physics, from Princeton University, \$125,000, “U.S. Compact Muon Solenoid (CMS) Operations at LHC;Amendment 12.”

**Neville, Jennifer L**; computer science, from National Science Foundation, \$495,308, “III: Small: Transfer Learning within and Across Networks for Collective Classification.”

**Ni, Jiqin**; agricultural & biological engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Daly, Sarah.”

**Nie, Linda H**; health sciences, from Harvard School of Public Health, \$44,450, “Early and Late-Life Metal Exposures and Alzheimer’s Disease, Amendment 2.”

**Niyogi, Devdutta S**; agronomy, from Purdue University F N Andrews Fellowship, \$28,376, “Obringer, Renee.”

**Olek, Jan**; civil engineering, from Indiana Department of Transportation, \$500,000, “SPR 4042- Quantifying Asphalt Pavement Performance Loss Due to Binder Deficiency in the Design Mix.”

**Olenchak, F R**; educational studies, from Ross Graduate Fellowship/Assistantship, \$30,234, “Jensen, Laura.”

**Olenchak, F R**; educational studies, from Purdue Doctoral Program, \$22,938, “Green, Corinne.”

**Olenchak, F R**; educational studies, from Ross Graduate Fellowship/Assistantship, \$30,234, “Said, Tamer.”

**Olenchak, F R**; educational studies, from Purdue University F N Andrews Fellowship, \$26,353, “Brown, Andrew.”

**Olenchak, F R**; educational studies, from Winifred B. Bilsland Endowment, \$19,915, “Elison, Zachary.”

**Olenchak, F R**; educational studies, from Ross Graduate Fellowship/Assistantship, \$30,234, “Bouchard, Lauren.”

**Ong, Chee-Mun**; electrical & computer engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Perna, Allison.”

**Ong, Chee-Mun**; electrical & computer engineering, from Purdue Doctoral Program, \$31,675, “Akomoledé, Oluseye.”

**Ong, Chee-Mun**; electrical & computer engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Gableman, Michael.”

**Ong, Chee-Mun**; electrical & computer engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Ruzomberka, Eric.”

**Ong, Chee-Mun**; electrical & computer engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Krogmeier, Paul.”

**Ouyang, Zheng**; biomedical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Chiang, Spencer.”

**Paniagua, Guillermo**; mechanical engineering, from Turbomeca Safran Group, \$33,653, “Turbomeca Small Supersonic Turbines.”

**Perissin, Daniele** and **Qin, Yuxiao**; civil engineering, from Virginia Department of Transportation, \$45,000, “Monitoring of I -77 Slopes Using Satellite Remote Sensing.”

**Peroulis, Dimitrios**; electrical & computer engineering, from Purdue University F N Andrews Fellowship, \$31,675, “Shaffer, Garrett.”

**Peroulis, Dimitrios** and **Allen, Wesley N**; electrical & computer engineering, from Qualcomm Technologies Inc, \$50,000, “Competitive Passive Devices.”

## Pinal to Scott

**Pinal, Rodolfo**; industrial & physical pharmacy, from Eli Lilly and Company, \$35,000, "Center for Pharmaceutical Processing Research Consortium."

**Plaut, Karen I**; agriculture — administration, from Agricultural Research Service, \$35,500, "Acquisition of Goods and Services."

**Pourpoint, Timothee L**; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$74,000, "Measurement and Modeling of Surface Coking in Fuel-Film Cooled Liquid Rocket Engines - Rufat Kulakhmetov."

**Pourpoint, Timothee L**; aeronautical & astronautical engineering, from Walter LLC, \$4,500, "AAE 535 Design Build Test."

**Prabhakar, Sunil K**; computer science, from Ross Graduate Fellowship/Assistantship, \$18,487, "Hadian, Ali."

**Prabhakar, Sunil K**; computer science, from Purdue University F N Andrews Fellowship, \$18,487, "Ibrahim, Rania."

**Prezzi, Monica and Salgado, Rodrigo**; civil engineering, from Indiana Department of Transportation, \$150,900, "Experimental Study of the Load Response of Closed-Ended and Open-Ended Pipe Piles for Alluvial Soil (Phase II)."

**Radcliffe, David F**; engineering education, from Ross Graduate Fellowship/Assistantship, \$29,165, "Miller, Emily."

**Radcliffe, David F**; engineering education, from Ross Graduate Fellowship/Assistantship, \$29,165, "Johnston, Amanda."

**Ramirez, Julio A; Bobet, Antonio and Johnson, David R**; civil engineering, industrial engineering, from National Science Foundation, \$700,000, "Nheri Network Coordination Office." (a Discovery Park award — NEEScomm)

**Ratcliffe, Krista L**; English, from Ross Graduate Fellowship/Assistantship, \$18,538, "McCormick, Dan."

**Ratcliffe, Krista L**; English, from Ross Graduate Fellowship/Assistantship, \$18,538, "Froid, Daniel."

**Rebello, Nobel S**; physics, from University of Wisconsin-Madison, \$42,571, "Science Inquiry Using Physical and Virtual Experiments: Systematic Investigation of Issues and Conditions for Learning."

**Reibman, Amy R; Lu, Yung-Hsiang and Delp, Edward J**; electrical & computer engineering, from Cisco Systems, Inc., \$92,266, "Video Analytics Using Fog and Cloud Computing."

**Reklaitis, Gintaras V and Giridhar, Arun V**; chemical engineering, from Trask Trust Fund, \$45,378, "Personalized Medicine through Precision Printing."

**Reklaitis, Gintaras V; DeLaurentis, Poching C and Mockus, Linas**; chemical engineering, medicinal chemistry & molecular pharmacology, from Long Island University, \$330,000, "Adaptive Statistical Methods for Category Specific Release Testing of Drug Products."

**Ren, Tong**; chemistry, from National Science Foundation, \$420,000, "Suschem: New Ni Macrocyclic Catalysts for Solar Driven Carbon Dioxide Reduction."

**Richmond, Douglas S**; entomology, from Midwest Regional Turf Foundation, \$2,000, "Turfgrass Entomology Research."

**Rickus, Jenna L**; agricultural & biological engineering, from National Aeronautics and Space Administration, \$38,318, "Sporesat2."

**Rickus, Jenna L**; agricultural & biological engineering, from Ford Motor Company, \$33,312, "Colbert, Ashlee."

**Rispoli, Joseph V**; biomedical engineering, from Lynn Interdisciplinary Graduate Fellowship, \$29,040, "Zou, Yukai."

**Roberts, Felicia D**; communication, from Purdue University F N Andrews Fellowship, \$20,055, "Yamamoto, Mai."

**Roberts, Felicia D**; communication, from Lynn Interdisciplinary Graduate Fellowship, \$18,538, "Weirick, Joshua."

**Roberts, Felicia D**; communication, from Lynn Interdisciplinary Graduate Fellowship, \$18,538, "Nielsen, John."

**Roberts, Felicia D**; communication, from Lynn Interdisciplinary Graduate Fellowship, \$18,538, "Karabuklu, Serpil."

**Roberts, Felicia D**; communication, from Lynn Interdisciplinary Graduate Fellowship, \$18,683, "Hutchinson, Amy."

**Roberts, Felicia D**; communication, from Winifred B. Bilsland Endowment, \$21,188, "Law, Wal."

**Roberts, Felicia D**; communication, from Purdue Doctoral Program, \$17,983, "Cupery, Maria."

**Robicheaux, Francis J**; physics, from National Science Foundation, \$75,000, "Interactions with and Between Rydberg Atoms."

**Robinson, Joseph P**; basic medical science, from Purdue University F N Andrews Fellowship, \$28,963, "Gondhalekar, Carmen."

**Ross, Charles S**; English, from Lynn Interdisciplinary Graduate Fellowship, \$18,538, "Vallejo, Ricardo Quintana."

**Roy, Kaushik**; electrical & computer engineering, from Ross Graduate Fellowship/Assistantship, \$21,415, "Agrawal, Amogh."

**Ruan, Xiulin**; mechanical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, "Roychowdhury, Prabudhya."

**Ruiz, Yumary and Taylor, Zoe E**; health & kinesiology, child development & family studies, from Spencer Foundation, \$50,000, "An Examination of Educational Outcomes in Children of Latino Migrant Farmworker Families in Rural Indiana."

**Running, Cordelia A**; foods & nutrition, from Lynn Interdisciplinary Graduate Fellowship, \$28,963, "Crawford, Ciera."

**Sadeghi, Farshid**; mechanical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, "Conley, Benjamin."

**Sadof, Clifford S**; entomology, from Indiana Department of Natural Resources, \$30,817, "Plan of Work for 2015-2016: Forest Pest Outreach and Survey Project/Farm Bill."

**Sangha, Susan**; psychological science, from Purdue University, \$5,000, "A New Method for Manipulating Specific Neural Pathways During Learning."

**Savikhin, Sergei F**; physics, from National Science Foundation, \$145,027, "Research Experience for Undergraduates (REU) Site: Multidisciplinary Physics at Purdue University."

**Scalo, Carlo**; mechanical engineering, from Purdue University F N Andrews Fellowship, \$31,675, "Migliorino, Mario."

**Scott, David E**; Indiana State Chemist, from Environmental Protection Agency, \$389,976, "FY 2016 EPA Pesticide Cooperative Agreement-Enforcement."



## Scutari to Umulis

**Scutari, Gesualdo**; industrial engineering, from Lynn Interdisciplinary Graduate Fellowship, \$28,963, “Tian, Ye.”

**Searle, Catherine L; Feng, Zhilan J and Minchella, Dennis J**; biological sciences, mathematics, science – administration, from Purdue University, \$10,000, “Enriched Doctoral Training in Epidemiology for Mathematics Students.”

**Shah, Amisha D and Howarter, John A**; civil engineering, materials engineering, from National Science Foundation, \$261,964, “Evaluation of the Chemical Drivers Behind Membrane Integrity Loss in Halide-Impaired Waters During Chemical Disinfection to Advance Optimal Membrane Structural Design.”

**Shalaev, Vladimir M and Boltasseva, Alexandra**; engineering administration engineering experiment, electrical & computer engineering, from Georgia State University, \$380,953, “Random Lasers, Nano-Spasers and Optical Rogue Waves, Amendment 5; Grant 106806.”

**Shih, Tom I**; aeronautical & astronautical engineering, from Ames Laboratory, \$100,000, “Computational Analysis of Advanced Cooling Strategies for High-Efficiency and Long-Service Life Turbines; Amendment 20; [Grant 104396].”

**Shih, Tom I**; aeronautical & astronautical engineering, from Lynn Interdisciplinary Graduate Fellowship, \$28,963, “Bandyopadhyay, Ritwik.”

**Shih, Tom I**; aeronautical & astronautical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Pekosh, Jeffrey.”

**Shih, Tom I**; aeronautical & astronautical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Vuppuluri, PREM.”

**Shih, Tom I**; aeronautical & astronautical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Hernandez, Juilo A.”

**Shih, Tom I**; aeronautical & astronautical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Piper, Phillip.”

**Shih, Tom I**; aeronautical & astronautical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Marcum, Jeremy.”

**Simpson, Garth J**; chemistry, from Trask Trust Fund, \$43,561, “Triboluminescence Detection of Trace Crystallinity in Amorphous Pharmaceutical Solid Dispersions.”

**Slipchenko, Lyudmila V**; chemistry, from National Science Foundation, \$15,500, “Full Embedding Quantum Mechanics/Molecular Mechanics (QM/MM) Scheme for Modeling Excited State Proton Transfer Processes.”

**Smith, Mjt**; graduate school administration, from National Science Foundation, \$1,748,000, “2012-18 NSF Graduate Research Fellowship Program (GRFP).”

**Snow, Lowell D**; Technical Assistance Program, from Indiana Economic Development Corporation, \$500,000, “NIST Manufacturing Extension Partnership (MEP) – Indiana Economic Development Corporation.”

**Spafford, Eugene H**; computer science, from Tenable Network Security Inc, \$60,000, “Center for Education and Research in Information Assurance and Security (CERIAS) Voluntary Support.”

**Stauffer, Cynthia V**; biological sciences, from University of Notre Dame, \$146,293, “Determination of Structure, Dynamics and Energetics of Enzyme Reactions.”

**Stuart, Jeffrey J**; entomology, from Agricultural Research Service, \$11,501, “Sex Determination in Hessian Fly.”

**Subbarayan-Shastri, Ganesh**; mechanical engineering, from Purdue University F N Andrews Fellowship, \$21,415, “Vaitheeswaran, Pavan Kumar.”

**Sudhoff, Scott D**; electrical & computer engineering, from National Renewable Energy Laboratory, \$33,333, “Sunlamp Ampvi: Develop Magnetics Design Optimization Tool and Design and Construct Optimized Power Magnetics; Modification 3.”

**Sundaram, Shreyas**; electrical & computer engineering, from National Science Foundation, \$244,598, “Collaborative Research: Algorithmic and Graph-Theoretic Approaches to Optimal Sensor Placement in Complex Dynamical Systems.”

**Swithers, Susan E**; psychological science, from PHS-NIH National Institute of Child Health and Human Development, \$10,000, “Annual Meeting of the International Society for Developmental Psychobiology.”

**Swithers, Susan E**; psychological science, from PHS-NIH National Institute of Child Health and Human Development, \$6,000, “Annual Meeting of the International Society for Developmental Psychobiology.”

**Szpankowski, Wojciech**; computer science, from Purdue University, \$275,388, “Purdue Center for Science of Information, Fy1617.”

**Szymanski, Daniel B and Xie, Jun**; agronomy, statistics, from Washington State University, \$225,034, “Deciphering the Role of RNA Binding Proteins in RNA Transport, Localization and Post-Transcriptional Processes in Plants, Amendment 2 (Grant 107752).”

**Tanamachi, Robin L**; earth & atmospheric sciences, from Ross Graduate Fellowship/Assistantship, \$28,963, “Saunders, Patrick.”

**Taylor, Lynne S**; industrial & physical pharmacy, from Pfizer Inc, \$125,000, “Improved Mechanistic Understanding of Salt Disproportionation in Solid Oral Dosage Forms.”

**Thompson, David H**; chemistry, from Rutgers State University, \$89,290, “Mechanisms of Cholesterol Transport by Npc Proteins.”

**Tobias, Justin L**; economics, from Purdue Doctoral Program, \$11,557, “Norton, Brandon.”

**Trumble, Kevin P and Chandrasekar, Srinivasan**; materials engineering, industrial engineering, from National Science Foundation, \$450,000, “Towards a Fundamental Basis for Controlling Shear Flow Instabilities in HCP Metals.”

**Turco, Ronald F**; agronomy, from Winifred B. Bilsland Endowment, \$21,188, “Avila Arias, Francly Helena.”

**Turner, Maria H**; field extension agents, from DuBois Rec Community Fund, \$400, “Jr. Naturalist Program.”

**Tyner, Wallace E and Taheripour, Farzad**; agricultural economics, from National Biodiesel Board, \$17,681, “Estimating Induced Land Use Change Emissions for US Soy Biodiesel.”

**Umulis, David M**; agricultural & biological engineering, from Purdue University, \$30,000, “Quantification of BMP Signal Interpretation and Noise Propagation During Development.”

## Vacca to Zhang, G.

**Vacca, Andrea** and **Dabiri, Sadegh**; agricultural & biological engineering, from Eaton Aerospace, \$42,945, “Main Fuel Pump Cavitation Analysis.”

**Vacca, Andrea**; agricultural & biological engineering, from Purdue Doctoral Program, \$31,675, “Robison, Andrew.”

**Van Der Mensbrugghe, Dominique Y**; agricultural economics, from World Bank, \$50,000, “Simulation Modeling for Development: Climate Change, Environment and Poverty.”

**Van Rijn, Richard M**; medicinal chemistry & molecular pharmacology, from Purdue University, \$9,800, “AC1 Inhibitors for Treatment of (Opioid Resistant) Inflammatory Pain.”

**Vanfossen, Phillip J**; curriculum & instruction, from Purdue University F N Andrews Fellowship, \$26,353, “Lancette, Steven.”

**Vanfossen, Phillip J**; curriculum & instruction, from Ross Graduate Fellowship/Assistantship, \$30,234, “Janakiraman, Shamila.”

**Vanfossen, Phillip J**; curriculum & instruction, from Purdue Doctoral Program, \$22,938, “Randolph, Anthony.”

**Vanfossen, Phillip J**; curriculum & instruction, from Winifred B. Bilsland Endowment, \$19,548, “An, Tuyin.”

**Varma, Amit H**; civil engineering, from Nuclear Regulatory Commission, \$106,629, “Steel Plate Composite (Sc) Walls: Behavior, Analysis, and Design for Missile Impact.”

**Varma, Arvind**; chemical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Lardinois, Trevor.”

**Varma, Arvind**; chemical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Laky, Daniel.”

**Varma, Arvind**; chemical engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Libretto, Nicole.”

**Vyn, Tony J**; agronomy, from Indiana Corn Marketing Council, \$46,772, “Practical Systems Options for Supplemental N Applications to Late-Vegetative Corn: Year 2.”

**Vyn, Tony J**; agronomy, from Winifred B. Bilsland Endowment, \$21,188, “Chen, Keru.”

**Wang, Nien-Hwa L**; chemical engineering, from ITC Limited, \$12,192, “Voluntary Support for Research in SMB Processes for Sugar Recovery from Woody Biomass.”

**Watts, Val J**; medicinal chemistry & molecular pharmacology, from Purdue Doctoral Program, \$30,005, “Elder, Sarah.”

**Weatherman, Kara D**; pharmacy practice, from Indiana University School of Medicine, \$2,600, “Teaching Nuclear Medicine Technology Course at IU.”

**Weaver, Connie M**; foods & nutrition, from Purdue University F N Andrews Fellowship, \$28,963, “Lobene, Andrea.”

**Weaver, Connie M**; foods & nutrition, from Lynn Interdisciplinary Graduate Fellowship, \$28,963, “Im, Suji.”

**Weaver, Connie M**; foods & nutrition, from Lynn Interdisciplinary Graduate Fellowship, \$28,963, “Zembroski, Kendra.”

**Weaver, Connie M**; foods & nutrition, from Purdue University F N Andrews Fellowship, \$28,963, “Goldbaum, Audrey.”

**Webb, Kevin J**; electrical & computer engineering, from National Science Foundation, \$339,999, “Sensing and Imaging with Motion in Structured Optical Illumination.”

**Webb, Kevin J**; electrical & computer engineering, from National Science Foundation, \$497,154, “CIF – Small: High Resolution Computational Imaging with Motion in Spatially Varying Fields.”

**Weibel, Justin A** and **Garimella, Suresh V**; mechanical engineering, from Toyota Motor Manufacturing Inc., \$149,934, “A Two-Layer Evaporator Wick Structure for Area-Scalable High-Heat-Flux Hotspot Spreading with Vapor Chambers.”

**Weil, Clifford F**; agronomy, from Clifford F Weil, \$9,000, “Multi Sponsored.”

**Welp-Smith, Lisa R**; earth & atmospheric sciences, from Ross Graduate Fellowship/Assistantship, \$28,963, “OH, Youmi.”

**Welp-Smith, Lisa R**; earth & atmospheric sciences, from Purdue Doctoral Program, \$33,181, “Meyer, Alexandra.”

**Xia, Yu**; chemistry, from PHS-NIH National Institute of General Medical Science, \$313,714, “Mass Spectrometry Method with C=C Location Specificity for Qualitative and Quantitative Lipid Analysis.”

**Xin, Yan Ping**; educational studies, from Purdue University, \$29,130, “FY 16-17 Purdue Research Foundation (PRF) Research Grants.”

**Xu, Dongyan** and **Spafford, Eugene H**; computer science, from National Security Research Institute, \$80,000, “A Study for Main Memory Forensics in Smartphones.”

**Xu, Jin-Rong**; botany & plant pathology, from Ross Graduate Fellowship/Assistantship, \$28,963, “Bian, Zhuyun.”

**Yang, Won Sik**; nuclear engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Jaradat, Mustafa.”

**Yaninek, John S**; entomology, from Indiana Department of Natural Resources, \$25,319, “Indiana Cooperative Agricultural Pest Survey (Caps) Work Plans and Budgets Federal FY 2016.”

**Ye, Peide**; electrical & computer engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Charnas, Adam.”

**Ye, Peide**; electrical & computer engineering, from National Science Foundation, \$15,498, “Efri 2-Dare: Phosphorene, an Unexplored 2d High-Mobility Semiconductor.”

**Ye, Peide**; electrical & computer engineering, from Winifred B. Bilsland Endowment, \$20,188, “Du, Yuchen.”

**Yu, Denny**; industrial engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Cha, Jackie.”

**Yu, Denny**; industrial engineering, from Ross Graduate Fellowship/Assistantship, \$29,165, “Asadi, Hamed.”

**Zentner, Lynn K** and **Klimeck, Gerhard**; electrical & computer engineering, from Pennsylvania State University, \$27,000, “The Nanotechnology Applications and Career Knowledge (Nack) National Support Center.” (a Discovery Park award — Network for Computational Nanotechnology.)

**Zhang, Guangjun**; comparative pathobiology, from Indiana University, \$18,147, “IRF4 and Immunity to Influenza Infection; Amendment 1.”

## Zhang, H. to Zoltowski

**Zhang, Hao**; statistics, from Purdue University F N Andrews Fellowship, \$18,487, “Maxwell, Lorena.”

**Zhang, Hao**; statistics, from Ross Graduate Fellowship/Assistantship, \$18,487, “Hao, Wei.”

**Zhang, Hao**; statistics, from Purdue Doctoral Program, \$19,424, “Williams, Dominique.”

**Zhang, Hao**; statistics, from Purdue University F N Andrews Fellowship, \$18,487, “Sullivan, Kirsan.”

**Zhang, Hao**; statistics, from Winifred B. Bilsland Endowment, \$17,855, “Qu, Simeng.”

**Zhang, Hao**; statistics, from Ross Graduate Fellowship/Assistantship, \$18,487, “Hu, Tianyang.”

**Zhang, Hao**; statistics, from Purdue Doctoral Program, \$22,688, “Cardona, Daniel.”

**Zhang, Xinghang**; materials engineering, from National Science Foundation, \$115,585, “Zhang – Fundamental Mechanisms of Removal of Stacking Fault Tetrahedra by Mobile Low.”

**Zhang, Xinghang**; materials engineering, from National Science Foundation, \$197,101, “Fundamental Mechanisms of Removal of Stacking Fault Tetrahedra by Mobile Low Energy Boundaries.”

**Zhang, Xinghang**; materials engineering, from U.S. Department of Energy, \$150,000, “Zhang – Deformation Mechanisms of Nanotwinned Al and Binary Al Alloys.”

**Zhang, Zhong-Yin**; medicinal chemistry & molecular pharmacology, from Ross Graduate Fellowship/Assistantship, \$28,963, “Hewitt, Chad.”

**Zhang, Zhong-Yin**; medicinal chemistry & molecular pharmacology, from Ross Graduate Fellowship/Assistantship, \$28,963, “Coleman, Rachel.”

**Zheng, Wei**; health sciences, from Purdue University, \$29,130, “1516 EVPRP NIH Program Grants.”

**Zheng, Wei**; health sciences, from Ross Graduate Fellowship/Assistantship, \$28,963, “Boria, Andrew.”

**Zhuang, Qianlai**; earth & atmospheric sciences, from National Aeronautics and Space Administration, \$278,430, “Regional and Global Climate and Societal Impacts of Land-Use and Land-Cover Change in Northern Eurasia.”

**Zoltowski, Carla B; Buzzanell, Patrice M and Brightman, Andrew O**; electrical & computer engineering, communication, biomedical engineering, from National Science Foundation, \$299,990, “Understanding the Professional Formation of Engineers through the Lens of Design Thinking: Unpacking the Wicked Problem of Diversity and Inclusion.” ■

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