

DIMENSIONS *of* DISCOVERY

Sponsored Program Awards

July 2009

Aaltonen, Pamela M; O'Neil, Elizabeth A and Richards, Elizabeth A; nursing, from PHS-HRSA National Center for Health Services Res, \$120,294, "Implementation of North Central Nursing Clinics Electronic Health Record."

Abel, Steven R; pharmacy practice, from Purdue University F N Andrews Fellowship, \$20,515.

Abraham, Dulcy M; civil engineering, from David M. Knox Endowment, \$18,935.

Alam, Muhammad A; electrical & computer engineering, from University of Illinois at Champaign-Urbana, \$138,324, "Integrated Biochips for Detection for Cancer Markers—Amendment 1."

Alhassan, Mohammad A; engineering — Fort Wayne campus, from University of Illinois at Champaign-Urbana, \$52,405, "Amendment No. 01 to Subaward Grant 203612."

Aliaga, Daniel G; computer science, from Purdue Research Foundation: SIRG, \$16,750, "Modeling the Appearance & Behavior of Pet-Scale Urban Spaces."

Anderson, Donald J and Savaiano, Dennis A; consumer & family sciences, from Destination Marketing Association International, \$17,363, "DMAI."

Anderson, William E; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$30,000, "Advanced Propulsion Systems Testing for Optimized Designs."

Andrisani, Ourania M; basic medical science, from Winifred B. Bilsland Endowment, \$22,294.

Appenzeller, Joerg and Yang, Chen; electrical and computer engineering, chemistry, from National Science Foundation, \$350,000, "GOALI: Gated Tunneling Devices from Nano-Wire Core Shell Structures for Low-Power Applications." (a Discovery Park award — Birck Nanotechnology Center)

Balakrishnan, Venkataramanan; electrical & computer engineering, from Ross Graduate Fellowship/Assistantship, \$16,000.

Balakrishnan, Venkataramanan; electrical & computer engineering, from Purdue University F N Andrews Fellowship, \$16,000.

Balakrishnan, Venkataramanan; electrical & computer engineering, from Purdue University F N Andrews Fellowship, \$17,935.

Balakrishnan, Venkataramanan; electrical & computer engineering, from Chappelle, \$18,935.

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Balakrishnan, Venkataramanan; electrical & computer engineering, from Purdue University F N Andrews Fellowship, \$17,935.

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Balakrishnan, Venkataramanan; electrical & computer engineering, from Purdue University F N Andrews Fellowship, \$17,935.

Balakrishnan, Venkataramanan; electrical & computer engineering, from Ross Graduate Fellowship/Assistantship, \$16,000.

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Basaran, Osman A; chemical engineering, from Winifred B. Bilsland Endowment, \$18,935.

Basaran, Osman A; chemical engineering, from Procter & Gamble Company, \$87,070, "Analysis of Stringing During Bottle Fill."

Basaran, Osman A; chemical engineering, from Winifred B. Bilsland Endowment, \$18,935.

Baudoin, Fabrice; mathematics, from National Science Foundation, \$260,853, "Analysis of Stochastic Differential Equations."

Bauman, Thomas T; botany & plant pathology, from United Phosphorus Inc., \$4,000, "Weed Research."

Beckerman, Janna L; botany & plant pathology, from Syngenta Crop Protection Inc., \$7,000, "Indiana Arborists Association, Inc."

Bemiller, James N; food science, from Procter & Gamble Company, \$5,980, "Determination of Degrees of Starch Destructuring."

Bickham, John W; forestry and natural resources, from North Pacific Research Board (NPRB), \$23,318, "Storm Surge, Ocean Wave, and Weather Remodeling of Coastal Sandy Beach in the Eastern Bering Sea." (a Discovery Park award — Center for the Environment)

Bigelow, Cale A; agronomy, from Knox Fertilizer Company, Inc., \$2,000, "Putting Greens Research."

Bigelow, Cale A; agronomy, from Gowan Company, \$4,000, "Putting Greens Research."

Bigelow, Cale A; agronomy, from Sepro Corporation, \$7,000, "Putting Greens Research."

Blankenship, Bonnie T; health & kinesiology, from Indiana Department of Education, \$44,344, "National Youth Sports Program (2009)-USDA."

Blatchley, Ernest R; civil engineering, from Water Research Foundation, \$100,000, "Numerical Models for Prediction of Fouling and its Effects on Reactor Performance in UV Disinfection Systems."

Bock, Mary E; statistics, from George Washington Carver Fellowship, \$21,017.

Borch, Richard F; medicinal chemistry & molecular pharmacology, from Ross Graduate Fellowship/Assistantship, \$19,511.

Borch, Richard F; medicinal chemistry & molecular pharmacology, from Ross Graduate Fellowship/Assistantship, \$19,511.

Boushey, Carol J; foods & nutrition, from Baylor College of Medicine, \$8,456, "An Interactive Web-Based Program to Improve Food and Activity Choices of High School Students."

Bowen, Brenda B; earth & atmospheric sciences, from Purdue University Special Initiative Program, \$20,435.

Bowman, Keith J; materials engineering, from Government of Kazakhstan, \$31,271, "Bolashak Presidential Scholarship for Sergey Suslov 09/10."

Braile, Lawrence W; earth & atmospheric sciences, from National Science Foundation, \$105,000, "REU Site: Summer of Applied Geophysical Experience (SAGE)—Amendment 1."

Byrn, Stephen R; industrial & physical pharmacy, from Ross Graduate Fellowship/Assistantship, \$19,511.

Byrn, Stephen R; industrial & physical pharmacy, from Ross Graduate Fellowship/Assistantship, \$19,511.

Byrn, Stephen R; industrial & physical pharmacy, from Niagara Mohawk, \$16,750.

Byrn, Stephen R; industrial & physical pharmacy, from Amgen, Inc., \$7,500, "Funding for 41st Annual Pharmacuetics Graduate Student Research Meeting from Amgen."

Cain, Steven A; agricultural communication, from Indiana Association for Community & Economic Development, \$11,970, "A Community Disaster Resiliency: Non-Profits Guide to Disaster Preparedness."

Caldwell, Barrett S; industrial engineering, from The National Space Grant Foundation, \$17,000, "Human Factors and Systems Engineering Curriculum Modules."

Cardella, Monica E and Oakes, William C; engineering education, from National Science Foundation, \$400,000, "Students Understanding of Human-Centered Design and the Impact of Service Learning."

Carpita, Nicholas C; botany & plant pathology, from U.S. Department of Energy, \$400,000, "Translational Genomics for the Improvement of Switchgrass – Mod 1."

Chakravarty, Sugato; consumer science & retail, from Ross Graduate Fellowship/Assistantship, \$16,750.

Chakravarty, Sugato; consumer science & retail, from Winifred B. Bilsland Endowment, \$18,935.

Chang, Fen-Lei; medical education — Fort Wayne campus, from Indiana University, \$10,000, "FY 2009-2010 IUF Miscellaneous Expenses Fund."

Chang, Fen-Lei F; medical education — Fort Wayne campus, from Indiana University, \$384,191, "2009-2010 Medical Education Center Budget (Ft. Wayne Center for Medical Education), I.U. School of Medicine."

Chappell, William J and Peroulis, Dimitrios; electrical and computer engineering, from BAE Systems Advanced Technologies, Inc., \$20,000, "Evanescent Filter Cavities for Analog Spectral Processing." (a Discovery Park award — Birck Nanotechnology Center)

Chapple, Clint C; biochemistry, from U.S. Department of Energy, \$130,000, "Phenylpropanoid Metabolism in Arabidopsis: the Role of REF4 - Mod 2."

Chaturvedi, Alok R; management, from National Science Foundation, \$15,999, "CSR--CSI: Composing Large-Scale Synthetic Environments through Self-Assembly of Heterogeneous Simulations."

Chaubey, Indrajeet; agricultural & biological engineering, from Purdue Doctoral Program, \$17,001.

Chen, Weinong W and Peroulis, Dimitrios; aeronautical & astronautical engineering, electrical & computer engineering, from Defense Threat Reduction Agency, \$451,059, "Development and Evaluation of Novel MEMS Digital Accelerometers— Amendment 2."

Chen, Yong P; physics, from Defense Threat Reduction Agency, \$100,000, "Interaction of Radiation with Graphene-Based Nanomaterials." (a Discovery Park award — Birck Nanotechnology Center)

Chen, Yong P; physics, from National Science Foundation, \$100,000, "Quantum Control of Polar Molecules for Quantum Information and Quantum Computing—Amendment 1."

Cheng, Guang; statistics, from National Science Foundation, \$100,003, "General Semiparametric Inference via Bootstrap Sampling."

Cheng, Ji-Xin and Lelievre, Sophie A; biomedical engineering, basic medical science, from Showalter Trust, \$75,000, "High-Throughput Screening of Breast Cancer Risk Factors via Real Time Imaging of Three-Dimensional Culture of Phenotypically Normal Epithelium."

Cheng, Ji-Xin; biomedical engineering, from American Heart Association, \$52,000, "NLO Imaging to Elucidate the Role of Adventitia Inflammation and Neovascularization in Plaque Vulnerability and In-Stentrestenosis."

Chester, Julia A and Watts, Val J; psychological sciences, College of Pharmacy — administration, from PHS-NIH National Institute on Alcohol Abuse, \$214,525, "The Role of Cyclic AMP in Alcohol Withdrawal and Mental Disease."

Cleveland, William S; statistics, from Docomo Communications Labs USA Inc., \$4,583, "Building System for Distributed Statistical Analysis."

Collodi, Paul; animal sciences, from PHS-NIH National Institute of General Medical Science, \$359,828, "Zebrafish ES Cell Lines for Targeted Mutagenesis."

Connaughton, Stacey L; communication, from Purdue Research Foundation: XR Grant, \$16,750, "Corporate Social Responsibility (CSR) in the Context of Globalization: a Multilevel Analysis."

Constable, Peter D; veterinary clinical science, from Magrane Animal Hospital PC, \$8,384, "Support for Ophthalmology Residency."

Cooks, Robert G; Beaudoin, Stephen P and Ouyang, Zheng; chemistry, chemical engineering, biomedical engineering, from U.S. Department of Homeland Security, \$564,000, "Trace Detection of Explosives Using Desorption Electrospray Ionization (DESI)." (a Discovery Park award — Bindley Bioscience Center)

Cooper, James A; electrical & computer engineering, from II-VI Foundation, \$53,038, "II-VI Foundation Research Gift."

Cox, Robert F; building construction & management technology, from Purdue University F N Andrews Fellowship, \$16,685.

Day, Harlan R; agricultural economics, from Indiana Secretary of State Securities Division, \$16,000, “Indiana Secretary of State Grant ICEE Fall & Spring Regional Awards.”

De Hoop, Maarten V; mathematics, from National Science Foundation, \$337,455, “Collaborative Research: Stochastic and Multiscale Analysis of Ambient-Noise Generated Scattered Waves and Imaging.”

Depew, Dennis R; College of Technology — administration, from Indiana Department of Workforce Development, \$12,263, “FY 2009 Postsecondary Institution Comprehensive Local Application in Commission for Higher Education.”

DeWoody, James A; forestry & natural resources, from National Science Foundation, \$15,000, “The Influence of Genotype on Vertebrate Survivorship.”

Diamond, Karen E; child development & family studies, from George Washington Carver Fellowship, \$21,017.

Diamond, Karen E; child development & family studies, from George Washington Carver Fellowship, \$1,943.

Diefes-Dux, Heidi A; Brophy, Sean; Cardella, Monica E; Strobel, Johannes; Capobianco, Brenda M and Reed-Rhoads, Teri; engineering education, College of Engineering- Administration Engineering Experiment Station, from National Science Foundation, \$697,640, “R&D: Quality Cyber-Enabled, Engineering Education Professional Development to Support Teacher Change—Amendment 1.”

Dietz, James E; computer and information technology, from Indiana State Department of Health, \$268,374, “Year 2 Panflu Influenza Exercise Preparedness Program - an Extended Analysis of the 2008 Pan Flu Tabletop and Functional Exercise Program.” (a Discovery Park award — e-Enterprise Center)

Donkin, Shawn S; animal sciences, from Purdue University F N Andrews Fellowship, \$16,750.

Dotterer, Aryn M; child development & family studies, from Purdue Research Foundation: XR Grant, \$16,750, “Gender & Achievement Socialization in African American Families.”

Dydak, Ulrike; health sciences, from Showalter Trust, \$50,000, “New Therapeutic Treatment of Manganese Parkinsonism by Para-Amino Salicylic Acid: a Magnetic Resonance Imaging and Spectroscopy Study.”

Edwards, Nancy E and Yehle, Karen S; nursing, from PHS-HRSA National Center for Health Services Research, \$303,292, “Rural Advanced Practice Nursing: Post Business to MS/DNP.”

Egel, Daniel S; botany & plant pathology, from FMC Corporation, \$1,000, “Potassium Management.”

Egel, Daniel S and Maynard, Elizabeth T; botany & plant pathology, horticulture & landscape architecture, from University of Illinois, \$9,687, “Investigating Adaptation to Fungicides and Resistant Varieties in Cucurbit Powdery Mildew Pathogen.”

Egel, Daniel S; botany & plant pathology, from BASF Corporation, \$3,000, “Potassium Management.”

Elmqvist, I Niklas E; electrical & computer engineering, from Purdue Research Foundation: XR Grant, \$16,750, “Evaluating the Value and Effectiveness of Visualization.”

Evangelou, Demetra and Ohland, Matthew W; engineering education, from National Science Foundation, \$395,439, “Examining the Migratory Patterns of Engineering Students Using Social Psychological Theories.”

Farris, Thomas N; aeronautical & astronautical engineering, from Ross Graduate Fellowship/Assistantship, \$16,000.

Farris, Thomas N; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$16,000.

Farris, Thomas N; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$16,000.

Farris, Thomas N; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$18,935.

Farris, Thomas N; aeronautical & astronautical engineering, from Ross Graduate Fellowship/Assistantship, \$16,000.

Farris, Thomas N; aeronautical & astronautical engineering, from George Washington Carver Fellowship, \$2,142.

Farris, Thomas N; aeronautical & astronautical engineering, from Bilsland, Winifred B. Endowment, \$18,935.

Farris, Thomas N; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$18,935.

Farris, Thomas N; aeronautical & astronautical engineering, from Vextec Corporation, \$70,000, “Gear Prognosis Part II.”

Farris, Thomas N; aeronautical & astronautical engineering, from George Washington Carver Fellowship, \$20,935.

Farris, Thomas N; aeronautical & astronautical engineering, from Ross Graduate Fellowship/Assistantship, \$16,000.

Farris, Thomas N; aeronautical & astronautical engineering, from Purdue Doctoral Program, \$16,000.

Farris, Thomas N; aeronautical & astronautical engineering, from Ross Graduate Fellowship/Assistantship, \$16,000.

Feng, Zhilan J; mathematics, from PHS-CDC Centers for Disease Control, \$20,389, “Feng Assignment Agreement 09IPA908630.”

Ferraro, Kenneth F; sociology, from Purdue Research Foundation: Grant, \$16,750, “Does Health Divide Social Networks & Emergent Social Boundaries in a Retirement Community.”

Ferraro, Kenneth F; Mustillo, Sarah A and Mroczek, Daniel K; sociology, child development & family studies, from PHS-NIH National Institute on Aging, \$263,043, “Enduring Effects of Early Adversity on Adult Health.”

Ferruzzi, Mario; food science, from Ross Graduate Fellowship/Assistantship, \$16,750.

Figuerola-Lopez, Jose E; statistics, from National Science Foundation, \$107,250, “Nonparametric Methods for Jump Processes Under Microstructure Noise.”

Fisher, Timothy; Murthy, Jayathi Y; Xu, Xianfan and Garimella, Suresh V; mechanical engineering, from Raytheon, \$90,000, “Development of Nano Thermal Interface Materials.” (a Discovery Park award — Birck Nanotechnology Center)

Flores, Joseph I; Educational Opportunities Program — Calumet campus, from Indiana Department of Education, \$2,490, “Residential Upward Bound Food Service Program.”

Foster, Kenneth A; agricultural economics, from Purdue University F N Andrews Fellowship, \$16,750.

Foster, Kenneth A; agricultural economics, from Ross Graduate Fellowship/Assistantship, \$16,750.

Foster, Ricky E; entomology, from Cooperative State Research Service, \$94,564, "Using Pheromone Traps to Predict Oviposition and Damage by *Helicoverpa Zea* (Boddie) on Sweet Corn."

Franses, Elias I and **Corti, David S**; chemical engineering, from Hewlett Packard, \$96,400, "Aqueous Dispersion Stability of Printing Inks and Ink-Like Model Colloidal Dispersions."

French, Doran C; child development & family studies, from Bilsland, Winifred B. Endowment, \$18,935.

Garimella, Suresh V and **Murthy, Jayathi Y**; mechanical engineering, from Raytheon, \$102,261, "DARPA Thermal Ground Plane Program: Nanostructured Wick Material System Development."

Garimella, Suresh V; mechanical engineering, from Samsung Electronics Co., Ltd., \$68,413, "Next Generation Micro-Scale Cooling Technologies for Compact, Mobile Products."

Garner, Joseph P; animal sciences, from Trask Trust Fund, \$60,000, "A General Platform for Next-Generation Biomaker and Endophenotype Assays in Rodent Behavioral Neuroscience."

Garrison, James L; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$26,000, "A Study of Wavelet Approaches to the Detection of Ionospheric Disturbances."

Geahlen, Robert L; medicinal chemistry & molecular pharmacology, from PHS-NIH National Cancer Institute, \$36,263, "Tyrosine Protein Kinases and Lymphocyte Activation (CA37372-26) Research Supplement to Promote Diversity in Health-Related Research."

Gecas, Viktor; sociology, from George Washington Carver Fellowship, \$20,935.

Gerber, Corey K; agronomy, from Dow Agrosciences, \$5,000, "Diagnostic Training."

Ghosh, Arun K; chemistry, from Oklahoma Medical Research Foundation, \$197,954, "Beta Secretase Inhibition for Treating Alzheimer's Disease—Amendment 6."

Ghosh, Arun K; chemistry, from Georgia State University, \$300, "Multi-Sponsored."

Gibb, Timothy J; entomology, from Midwest Regional Turf Foundation, \$10,000, "Turf-grass Research."

Giordano, Nicholas J; physics, from Purdue University F N Andrews Fellowship, \$16,685.

Giordano, Nicholas J; physics, from American Society for Engineering Education, \$9,980, "NDSEG - Fellowship."

Giordano, Nicholas J; physics, from Ross Graduate Fellowship/Assistantship, \$16,685.

Giordano, Nicholas J; physics, from Winifred B. Bilsland Endowment, \$9,468.

Giordano, Nicholas J; physics, from Ross Graduate Fellowship/Assistantship, \$16,685.

Giordano, Nicholas J; physics, from American Society for Engineering Education, \$21,728, "NDSEG - Fellowship."

Giordano, Nicholas J; physics, from Purdue University F N Andrews Fellowship, \$16,685.

Giordano, Nicholas J; physics, from Ross Graduate Fellowship/Assistantship, \$16,685.

Gregg, Angela R; division & multicultural affairs – Fort Wayne campus, from Indiana Department of Education, \$20,905, "IPFW Office of Diversity and Multicultural Affairs Summer Food Service Program."

Gurney, Kevin R; earth & atmospheric sciences, from Northern Arizona University, \$39,730, "Exploration of the Mechanistic Relationship Between Improved Regional North American Inverse Carbon Fluxes and Climate Variability/Trends—Amendment 2."

Gutay, Laszlo J; physics, from Fermi National Accelerator Laboratory, \$15,000, "Maintenance and Operation Activities Related to the US CMS Endcap Muon M&O R&D Upgrade Subsystem FY2009."

Gyurko, Charlene C and **Rittenmeyer, Leslie M**; nursing — Calumet campus, from Health Resources & Services Administration, \$128,312, "Development of a Dedicated on Line Educational Platform for Masters of Science in Nursing Program at PUC."

Haghighi, Kamyar; engineering education, from George Washington Carver Fellowship, \$2,123.

Harris, Michael T; College of Engineering-Administration Engineering Experiment Station, from U.S. Department of Energy, \$110,000, "Virus Assemblies as Templates for Nanocircuits—Mod 7."

Hill, John E; educational studies, from National Rural Education Association, \$56,422, "NREA Contract 2009-10."

Hirleman, E D; mechanical engineering, from Purdue Doctoral Program, \$18,935.

Hirleman, E D; mechanical engineering, from Cummins Business Services, \$24,000, "Cummins Assistanships."

Hogenesch, Harm; veterinary clinical science, from Bilsland, Winifred B. Endowment, \$22,294.

Hosking, Antony L; computer science, from Microsoft Corporation, \$219,000, "Microsoft: Language & Runtime Support."

Howe, Katherine M; botany & plant pathology, from Wisconsin Department of Natural Resources, \$1,500, "Katherine Howe Gift Fund."

Huber, Jessica E; speech, language & hearing sciences, from PHS-NIH National Institute Deafness, Comm Disorders, \$225,405, "Use of External Cueing to Treat Hypophonia in Parkinsons Disease."

Hudson, Karen A; agronomy, from Agricultural Research Service, \$11,266, "Acquisition of Goods and Services."

Hurt, R D; history, from Chappelle, \$18,935.

Irudayaraj, Joseph M; agricultural & biological engineering, from Ross Graduate Fellowship/Assistantship, \$17,001.

Ishii, Mamoru and **Hibiki, Takashi**; nuclear engineering, from Bechtel Bettis, Inc., \$20,000, "Data Report on TEPCO Supported Adiabatic and Diabatic Upflow Experiments in an Annulus."

Johnson, Keith D; agronomy, from Wayne Cty Soil & Water Conserv Dist, \$120, "Forage Research."

Jordan, Thomas N; botany & plant pathology, from University of Minnesota, \$45,729, "Indiana SARE PDP Plan of Work -2009."

Kais, Sabre; chemistry, from Army Research Office, \$70,000, "Physics: Finite Size Scaling and Quantum Criticality of Quantum Gases." (a Discovery Park award — Birck Nanotechnology Center)

Kak, Avinash C; electrical & computer engineering, from Infosys Technologies Ltd, \$100,000, "An Agent-Based and Model-Driven Framework for Human-Assisted Approach to Code Modularization."

Kak, Avinash C and **Park, Johnny**; electrical & computer engineering, from Olympus Corporation, \$600,000, "Distributed and Mobile Sensor Networks: the Purdue-Olympus A-Cubed Project."

Kazacos, Kevin R; comparative pathobiology, from Animal Plant Health Inspection Service, \$2,564, "Survey of Utah Raccoons for Baylisascaris Infection."

Keener, Kevin M; food science, from Air Liquide, \$16,500, "Indiana Package Ozonation Technology Evaluation at Air Liquide Delaware Research and Technology Center."

Kihara, Daisuke; biological sciences, from National Science Foundation, \$716,001, "Template-Based Protein Structure Prediction Beyond Sequence Homology."

Kim, Chang H; comparative pathobiology, from Crohn's & Colitis Foundation of America, \$128,700, "Mechanisms of Immune Cell Trafficking in Inflammatory Bowel Disease."

Kim, Kee Hong; food science, from Ministry of Education Taiwan, \$13,000, "09/10 ED Ministry of Taiwan Fellowship."

Kinzig, Kimberly P; psychological sciences, from PHS-NIH National Institute Diabetes/Kidney Dis, \$17,721, "Effects of Dietary Macronutrients on Regulation of Energy Balance."

Kirkpatrick, Jane M; nursing, from Indiana State Department of Health, \$161,875, "Family Health Clinic of Carroll County: Increasing Access for Rural Populations."

Kirshner, Julia; biological sciences, from Immunogen Inc., \$60,000, "Evaluation of NUN901-DM1 as an Anti-Myeloma Agent in a Novel Pre-Clinical 3-D Culture Model."

Kladivko, Eileen J; agronomy, from American Society of Agronomy, \$250, "Soil Physics."

Klimeck, Gerhard; electrical & computer engineering, from Purdue Research Foundation: Grant, \$16,750, "Midwest Academy for Nanoelectronics & Architectures (MANA)."

Koch, Daphene C; building construction & management technology, from Corman Construction Inc., \$2,300, "Heavy Highway Training #2."

Kompella, Ramana Rao; computer science, from National Science Foundation, \$12,000, "REU: NECO: Architectural Support for Fault Management."

Kruczenski, Luis M; physics, from National Science Foundation, \$35,000, "Gauge Theories, Strong Interactions, and String Theory—Amendment 1."

Krupke, Christian H; entomology, from Dow Agrosciences, \$9,500, "Krupke - Entomology - Research."

Krupke, Christian H; entomology, from Gowan Company, \$5,000, "Krupke - Entomology - Research."

Kuhn, Richard J; biological sciences, from Ross Graduate Fellowship/Assistantship, \$16,685.

Kuhn, Richard J; biological sciences, from Ross Graduate Fellowship/Assistantship, \$16,685.

Kuhn, Richard J; Adamec, Jiri and Perera, Rushika M; biological sciences, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$228,750, "Membrane Rearrangements in Flavivirus Infected Cells." (a Discovery Park award — Bindley Bioscience Center)

Kuhn, Richard J; biological sciences, from Ross Graduate Fellowship/Assistantship, \$16,685.

Kuhn, Richard J; biological sciences, from Purdue Doctoral Program, \$16,685.

Kuhn, Richard J; biological sciences, from Ross Graduate Fellowship/Assistantship, \$16,685.

Kuhn, Richard J; biological sciences, Bindley Bioscience Center from Purdue University F N Andrews Fellowship, \$16,750.

Ladisch, Michael R and Mosier, Nathan S; agricultural & biological engineering, from Mascoma Corporation, \$323,912, "Characterization of Biomass Materials."

Lee, Chun-Sing G; electrical & computer engineering, from National Science Foundation, \$78,936, "RI:Small: on Robot Motor Capability for Skill Learning."

Lee, Chun-Sing G; electrical & computer engineering, from National Science Foundation, \$16,000, "REU Supplement: ITR: Skill Learning for Humanoid Robots (IIS-0427260)."

Lelievre, Sophie A; basic medical science, from Purdue University F N Andrews Fellowship, \$16,750.

Lin, Tsang Long; comparative pathobiology, from Purdue University F N Andrews Fellowship, \$16,750.

Liu, Judy; civil engineering, from David M. Knox Endowment, \$18,935.

Liu, Judy; civil engineering, from Ross Graduate Fellowship/Assistantship, \$17,001.

Liu, Judy; civil engineering, from Ross Graduate Fellowship/Assistantship, \$17,001.

Liu, Judy; civil engineering, from Purdue University F N Andrews Fellowship, \$17,001.

Liu, Judy; civil engineering, from Purdue Doctoral Program, \$17,001.

Liu, Julie C; chemical engineering, from Showalter Trust, \$64,000, "Spatially Patterned Vasculature for Tissue Engineering."

Liu, Julie C; chemical engineering, from National Science Foundation, \$175,000, "BRIGE:Peptide-Based Cues for Mesenchymal Stem Cell Differentiation in Cartilage Graft Applications."

Lloyd, Lyle L; educational studies, from Purdue Research Foundation: XR Grant, \$16,750, "The Effects of Synthetic Auditory Feedback on Learning Graphic Symbol Combinations in Students with Autism."

Lopez, Roberto G; horticulture & landscape architecture, from Syngenta Crop Protection Inc., \$2,000, "Multi Sponsored Gift Account."

Lopez, Roberto G; horticulture & landscape architecture, from Paul Ecke Ranch, \$2,395, "Multi Sponsored Gift Account."

Love, David J; electrical & computer engineering, from Samsung Electronics Co., Ltd., \$96,943, "Applications of Network Coding to Next Generation Wireless."

Lucht, Robert P; mechanical engineering, from Air Force Office of Scientific Research, \$515,000, "Ultrafast Laser System for Coherent Anti-Stokes Raman Scattering Measurements at Data Rates of 5 Khz."

Luke, Eileen M; Center for Environmental Regulatory/Informatory Systems, from Animal Plant Health Inspection Service, \$215,011, "National Agricultural Pest Information Systems (NAPIS)."

Lundstrom, Mark S; electrical & computer engineering, from National Science Foundation, \$150,000, "Network for Computational Nanotechnology—Amendment 3." (a Discovery Park award — Network for Computational Nanotechnology.)

Lundstrom, Mark S; electrical & computer engineering, from Purdue Research Foundation: XR Grant, \$16,750, "Network for Computational Nanotechnology."

Lundstrom, Mark S; electrical & computer engineering, from Purdue Research Foundation: XR Grant, \$16,750, "Network for Computational Nanotechnology."

Lyrantzis, Anastasios S; aeronautical & astronautical engineering, from Lynn Interdisciplinary Grad. Fellowship, \$16,685.

Maeda, Yukiko; educational studies, from Purdue Research Foundation: XR Grant, \$16,750, "Psychometric Properties of the Revised PSVT:R and the Role of Spatial Ability in First Year Engineering Students Academic Performances in Honors & Regular Engineering Programs."

Mannerling, Fred L; civil engineering, from Ross Graduate Fellowship/Assistantship, \$17,001.

Mannerling, Fred L; civil engineering, from Purdue Doctoral Program, \$19,009.

Mannerling, Fred L; civil engineering, from Ross Graduate Fellowship/Assistantship, \$17,001.

Mason, Linda J; entomology, from Ross Graduate Fellowship/Assistantship, \$16,685.

Mathur, Aditya P; computer science, from David M. Knox Endowment, \$18,935.

Mathur, Aditya P; computer science, from Ministry of Education & Training Vietnam, \$27,000, "VOSP Fellowship."

Mathur, Aditya P; computer science, from Vietnam Education Foundation, \$27,000, "VEF Fellowship - Dung Trung Hong."

Mathur, Aditya P; computer science, from Ross Graduate Fellowship/Assistantship, \$20,935.

Mathur, Aditya P; computer science, from Ross Graduate Fellowship/Assistantship, \$16,685.

Mathur, Aditya P; computer science, from American Society for Engineering Education, \$29,903, "2009 NDSEG Fellowship Award."

Mathur, Aditya P; computer science, from Vietnam Education Foundation, \$27,000, "VEF Fellowship."

Mathur, Aditya P; computer science, from Ross Graduate Fellowship/Assistantship, \$16,685.

Mathur, Aditya P; computer science, from George Washington Carver Fellowship, \$20,935.

Mathur, Aditya P; computer science, from Purdue Doctoral Program, \$16,685.

Mathur, Aditya P; computer science, from Purdue Doctoral Program, \$16,685.

Mattes, Richard D; foods & nutrition, from Winifred B. Bilsland Endowment, \$9,468.

Mckee, Renee K; youth development & agricultural education, from National 4-H Council, \$337, "4h Youth Programs."

McKinnis, David R; Technical Assistance Program, from Indiana State Department of Health, \$89,200, "Additional ISDH Workforce Capacity Development Proposal (Local Health Departments)."

McKinnis, David R; Technical Assistance Program, from Indiana University, \$74,000, "MRSA Infection Rate Research Project."

McLuckey, Scott A; chemistry, from U.S. Department of Energy, \$150,000, "The Dynamics and Thermodynamics of Gaseous Macro-Ions."

Mendrysa, Susan M; basic medical science, from Concern Foundation, \$50,000, "Cross-talk Between MDM2 and Sonic Hedgehog Signaling in Medulloblastoma."

Mengiste, Tesfaye D; botany & plant pathology, from National Science Foundation, \$6,000, "REU Supplement/Genetic, Molecular and Biochemical Basis of Pathogen and Stress Induced Necrosis."

Miao, Li; hospitality & tourism, from Purdue Research Foundation: XR Grant, \$16,750, "Influence of Other Consumers in Service Brand Perceptions: A Collective Self-Congruity Perspective."

Michler, Charles H; forestry & natural resources, from National Science Foundation, \$8,000, "Collaborative Research: Center for Advanced Forestry Systems."

Michler, Charles H; forestry & natural resources, from U.S. Forest Service, \$13,000, "Hardwood Tree Improvement and Regeneration Center."

Michler, Charles H; forestry & natural resources, from National Science Foundation, \$70,000, "Collaborative Research: Center for Advanced Forestry Systems—Amendment 1."

Mickelbart, Michael V; horticulture & landscape architecture, from Ross Graduate Fellowship/Assistantship, \$16,750.

Miller, Margaret A; comparative pathobiology, from National Institutes of Health, \$7,303, "Molecular Pathology Graduate Partnership Training Program."

Mittal, Suresh K; comparative pathobiology, from Winifred B. Bilsland Endowment, \$18,935.

Monteith, Margo J; psychological sciences, from National Science Foundation, \$6,965, "European Social Cognition Network: International Travel to Warsaw, 2009."

Moore, George E and Vemulapalli, Ramesh; comparative pathobiology, from Morris Animal Foundation, \$171,144, "Epidemiological and Molecular Patterns of Leptospirosis in Dogs in the U.S."

Morgan, Mark T; food science, from Lynn Interdisciplinary Grad. Fellowship, \$16,750.

Muir, William M; animal sciences, from Agricultural Research Service, \$20,000, "Development and Field Evaluation of Genome-Wide Marker-Assisted Selection (GWMAS) Over Multiple Generations in Commercial Poultry."

Nauman, Eric A; mechanical engineering, from George Washington Carver Fellowship, \$1,439.

Nauman, Eric A and Lescun, Timothy B; mechanical engineering, veterinary clinical science, from Nanovis Incorporated, \$825,465, "Commercialization of NVS C0C-31: Nano-Implants Strengthening Bones at Risk of Imminent Fracture."

Neu, Corey P; biomedical engineering, from Purdue University F N Andrews Fellowship, \$18,005.

Neu, Corey P; biomedical engineering, from Eli Lilly and Company, \$100,000, "Ex Vivo Skin Injection Biomechanics."

Nichols, Krista M and Sepulveda, Maria S; forestry & natural resources, from North Pacific Research Board (NPRB), \$76,840, "Disease Severity and Tied to Chinook Salmon Condition in the Marine Migration Phase."

Nichols, Krista M; forestry & natural resources, from National Science Foundation, \$900,000, "Career: Genetic & Evolutionary Mechanisms of Ecological Divergence in Migration Tendency in Salmonid Fishes."

Nita-Rotaru, Cristina; computer science, from National Science Foundation, \$80,000, "Career: Scalable, Robust and Secure Group-Oriented services for Wireless Mesh Networks—Amendment 4."

Niyogi, Devdutta S; agronomy, from David Hofstettler, \$30, "State Climatology."

Niyogi, Devdutta S; agronomy, from National Aeronautics and Space Administration, \$30,000, "Role of Spatial Heterogeneity in Atmospheric Observation and Modeling."

Nolan, Riall W; international programs, from Embassy of France, \$7,500, "Increase of Award for Grant 202056."

Nyenhuis, John A; electrical & computer engineering, from Cardiatis, \$20,000, "MRI Interactions of Stents."

Nyenhuis, John A; electrical & computer engineering, from Cardinal Health, \$7,733, "MRI Interactions with a Ventilator."

Nyenhuis, John A; electrical & computer engineering, from Medtronic, Inc., \$10,000, "MRI Testing of Vascular Implants."

Nyenhuis, John A; electrical & computer engineering, from Medtronic, Inc., \$9,000, "MRI Testing of Vascular Implants."

Olek, Jan; civil engineering, from Indiana Department of Transportation, \$7,000, "PCC Properties to Support W/C Determination for Durability SPR-3021."

Olek, Jan; civil engineering, from Indiana Department of Transportation, \$28,305, "Investigation of Premature Distress Around Joints in PCC Pavements."

Olek, Jan; civil engineering, from Ross Graduate Fellowship/Assistantship, \$17,001.

Otto, Kevin J; biomedical engineering, from PHS-NIH National Institute on Deafness and Other Communication Disorders, \$142,424, "Neural Microstimulation Parameters and Interfacial Quality Effects."

Ouyang, Zheng; biomedical engineering, from National Science Foundation, \$550,000, "Career: Development of High Efficiency Mass Spectrometry System."

Pai, Vijay S; electrical & computer engineering, from AT&T Information System Laboratories, \$25,000, "Peer to Peer Strategies."

Panitch, Alyssa; Freeman, Lynetta and Snyder, Paul W; biomedical engineering, veterinary clinical science, comparative pathobiology, from Amipurdue, \$375,954, "Synthetic Proteoglycans: Wound Healing Application."

Park, Kinam and Yeo, Yoon; biomedical engineering, industrial & physical pharmacy, from DKC Corporation, \$31,574, "Biological Applications of Novel Fluorescent Probes."

Pawley, Alice L; Hoffmann, Stephen R; Cardella, Monica E and Ohland, Matthew W; engineering education, environmental & ecological engineering, from National Science Foundation, \$150,000, "IEECI: Assessing Sustainability Knowledge (ASK): Development of a Framework to Assess Undergraduate Students Knowledge of Sustainability Concepts."

Peeta, Srinivas; civil engineering, from Foreign Affairs & International Trade Canada, \$7,226, "NEXTRANS Conference: Integrated Solutions for Mobility Challenges in the US/Canada Border Crossings in Region V." (a Discovery Park award — Discovery Park Administration.)

Peroulis, Dimitrios; electrical & computer engineering, from Intelligent Automation Inc., \$33,000, "Electrically-Small Loop Antennas for Pulse-Based Systems." (a Discovery Park award — Birck Nanotechnology Center)

Peroulis, Dimitrios; electrical & computer engineering, from Flowserve Corp, \$20,000, "Wireless Integrated Temperature Sensors for Mechanical Seals." (a Discovery Park award — Birck Nanotechnology Center)

Pizlo, Zygmunt; psychological sciences, from Air Force Office of Scientific Research, \$297,201, "Robotic Navigation Emulating Human Performance: Equipment."

Pogranichniy, Roman M; comparative pathobiology, from Kansas State University, \$7,500, "PRRS CAP Host Genetics: Characterization of Host Factors that Contribute to PRRS Disease Resistance and Susceptibility."

Posada, German E; child development & family studies, from Other, \$94,551, "CA-REER: Child-Mother Secure Base Relationship Processes and Social Competence in Early Childhood—Amendment 2."

Pyrak-Nolte, Laura J; physics, from Purdue Research Foundation: SIRG, \$16,750, "Scaling Physics of Mechanical Deformation & Fluid Flow in Fractures."

Qiao, Li; aeronautical & astronautical engineering, from Purdue Research Foundation: XR Grant, \$16,750, "Burn Rate: Chemistry & Transport Properties of Alternative Aviation Fuels."

Radcliffe, David F; engineering education, from George Washington Carver Fellowship, \$20,935.

Radcliffe, David F; engineering education, from Ross Graduate Fellowship/Assistantship, \$17,001.

Radcliffe, David F; engineering education, from Purdue University F N Andrews Fellowship, \$17,001.

Rafferty, M D; chemistry, from National Science Foundation, \$90,000, "New Paths in Advanced Solar Hydrogen Materials—Amendment 1."

Ramachandran, P V; chemistry, from General Atomic Co., \$200,000, "Amine-Boranes as Hydrogen Storage Medium for Fuel Cells."

Ramdas, Anant K; physics, from Merrill Lynch Pierce Fenner & Smith Inc., \$1,000, "Raman, Brillouin, Infrared & Modulation Spectroscopy of Tetrahedrally Coordinate Elemental Group IV, II-V& II-VI Semi-Conductors & Their Heterostructures."

Ramkrishna, Doraiswami; chemical engineering, from Lynn Interdisciplinary Grad. Fellowship, \$16,750.

Rao, Sanjay G; electrical & computer engineering, from Other, \$93,000, "Collaborative Research: NBD: an Abstraction Driven Approach to Characterizing and Designing Networks—Amendment 3."

Rapoport, Anatoli; curriculum & instruction, from International Research & Exchange Board, \$250,742, "IREX Conference."

Ratliff, Timothy L; comparative pathobiology, from PHS-NIH National Cancer Institute, \$1,165,056, "Cancer Center Support Grant (CORE)."

Reicher, Zachary J and Bigelow, Cale A; agronomy, from Midwest Regional Turf Foundation, \$14,738, "Midwest Regional Turf Foundation."

Reklaitis, Gintaras V; chemical engineering, from Purdue Research Foundation: XR Grant, \$16,750, "Pharma ERC."

Reklaitis, Gintaras V; chemical engineering, from Rutgers State University, \$198,900, "Engineering Research Center Industrial Membership Year 4."

Rhodes, Olin E; forestry & natural resources, from Winifred B. Bilsland Endowment, \$8,786.

Richert, Brian T; animal sciences, from Chemgen Corp., \$4,000, "Swine Research."

Richmond, Douglas S; entomology, from Midwest Regional Turf Foundation, \$10,000, "Turfgrass Entomology Research."

Riese, David J; medicinal chemistry & molecular pharmacology, from PHS-NIH National Cancer Institute, \$238,664, "Regulation of ErbB4 Signaling by Neuregulin Isoforms."

Robinson, Joseph P; basic medical science, from International Society for Analytical Cytology, \$1,417, "International Society for Analytical Cytology (ISAC) Web Portal Management."

Robinson, William R; chemistry, from American Chemical Society, \$10,206, "A Proposal to Host the Office of the American Chemical."

Rochet, Jean-Christophe; medicinal chemistry & molecular pharmacology, from Michael J. Fox Foundation, \$20,520, "Upregulation of MsrA: a Neuroprotective Strategy for the Treatment of Parkinsons Disease.."

Roy, Kaushik; electrical & computer engineering, from Carnegie-Mellon University, \$83,250, "Technology-Circuit Co-Design for CMOS Logic/Memories Using Multiple-Gate FET's—Amendment 8."

Roy, Kaushik; electrical & computer engineering, from Intel Corporation, \$35,201, "III-V FET Technology Evaluation for High Performance Low Power Logic and Memory Circuits."

Roy, Kaushik; electrical & computer engineering, from National Science Foundation, \$250,000, "SHF: Small: Collaborative:Imperfection-Resilient Scalable Digital Signal Processing Algorithms and Architectures Using Significance Driven Computation."

Roy, Kaushik; electrical & computer engineering, from Purdue Research Foundation: XR Grant, \$16,750, "Computer Engineering Research."

Roy, Kaushik; electrical & computer engineering, from Semiconductor Research Corporation, \$60,000, "SRC Contract 2007-HJ-1629—Amendment No. 2."

Rud, A G; educational studies, from George Washington Carver Fellowship, \$20,935.

Rundell, Ann E; biomedical engineering, from Purdue Doctoral Program, \$1,487.

Rundell, Ann E; biomedical engineering, from National Science Foundation, \$400,000, "CAREER: Advancing Model Predictive Control of Cell Differentiation."

Sadof, Clifford S; entomology, from Indiana Arborists Association, Inc., \$250, "Ornamental Insect Research."

Samarapungavan, Ala; educational studies, from George Washington Carver Fellowship, \$2,142.

Sameh, Ahmed H and Manguoglu, Murat; computer science, from Intel Corporation, \$100,000, "Towards an Adaptive Library for Solving Large Sparse Linear Systems."

Savaiano, Dennis A; college of consumer & family sciences, from Gepa Hotel Operator Indianapolis, LLC, \$5,000, "HTM Advisory Council."

Sears, David A; educational studies, from Kinley Trust, \$20,000, "Effects of a Sequence of Discovery-Based Lessons on Learning, Transfer, and Motivation."

Shah, Kavita; chemistry, from University of Central Florida, \$60,553, "Chemical Genetics of Plasmodium Kinase—Amendment 1."

Shalaev, Vladimir M; electrical & computer engineering, from Norfolk State University, \$92,000, "NSF PREM Subcontract with NSU Year 4."

Shaver, Gregory M; mechanical engineering, from National Science Foundation, \$86,080, "Modeling & Control of Multi-Cylinder Homogenous Charge Compression Ignition (HCCI)—Amendment 2."

Shen, Jie; mathematics, from Air Force Office of Scientific Research, \$112,137, "Solving Boltzmann and Fokker-Planck Equations Using Sparse Representation."

Shen, Jie; mathematics, from Purdue Research Foundation: SIRG, \$16,750, "High Order Multi-Resolution Methods for High Dimensional Problems."

Shepson, Paul B; chemistry, from Bigelow Labs, \$42,128, "O-Buoy Project."

Shi, Riyl; biomedical engineering, from Purdue University Special Initiative Program, \$20,435.

Shi, Riyl; basic medical science, from George Washington Carver Fellowship, \$21,017.

Shi, Riyl; basic medical science, from Winifred B. Bilsland Endowment, \$22,294.

Shin, Yung C; mechanical engineering, from Creare Incorporated, \$45,000, "STTR: High Performance Machining of Titanium Using Advanced Manufacturing Technologies."

Shin, Yung C; mechanical engineering, from National Science Foundation, \$219,287, "Collaborative Research: Modeling and Analysis of High Energy Ultrashort Laser-Induced Plasmas and Shockwave."

Simpson, Garth J; chemistry, from National Science Foundation, \$130,000, "Polarization-Dependent Non-Linear Optical Properties of Bio-Molecules—Amendment 2."

Sinfield, Joseph V; civil engineering, from Massachusetts Institute of Technology, \$7,500, "Enabling High-and Low-Molecular Weight AUV-Based Chemical Analysis :Complementing Mass Spectrometry with Multichannel Time- Resolved Fluorometry Aboard the Nereus/Odyssey Vehicle."

Skeel, Robert D and Post, Carol B; computer science, medicinal chemistry & molecular pharmacology, from PHS-NIH National Institute of General Medical Science, \$293,626, "Transition Pathways for Biomolecular Systems: Theory and Computation."

Smith, Richard S; food science, from Heartland Sweeteners, \$2,000, "Sensory Evaluation Research."

Snow, Lowell D; Technical Assistance Program, from Indiana Economic Development Corporation, \$167,822, "Manufacturing Extension Partnership FY 2009-10."

Sojka, Paul E; mechanical engineering, from Purdue Research Foundation: Xr Grant, \$16,750, "MURI Topic 19 Whitepaper: Spray & Combustion of Gelled Hypergolic Propellants."

Son, Steven F; mechanical engineering, from Agilenano, \$4,988, "Blast Testing of Agilenano Materials."

Stansbury, Betty M; airport operations, from Federal Aviation Administration, \$352,780, "Airport Hanger 7 Helicopter Parking Area and Apron Expansion."

Steup, Matthias P; philosophy, from Ross Graduate Fellowship/Assistantship, \$17,185.

Steup, Matthias P; philosophy, from Ross Graduate Fellowship/Assistantship, \$17,185.

Steup, Matthias P; philosophy, from Ross Graduate Fellowship/Assistantship, \$17,185.

Strachan, Alejandro H; materials engineering, from U.S. Department of Energy, \$76,610, "Shape Memory in Nanoscale Metallic Alloys— Mod 2."

Subbarayan-Shastri, Ganesh; mechanical engineering, from Semiconductor Research Corporation, \$60,000, "SRC Contract No. 2007-KJ-1630— Amendment No. 2."

Sullivan, John P; aeronautics and astronautics, from Boeing Company, the, \$50,000, "Product Lifecycle Management Center of Excellence (PLM)." (a Discovery Park award — Center for Advanced Manufacturing.)

Swihart, Robert K; forestry & natural resources, from Indiana Arborists Association, Inc., \$15,000, "IN Arborists Association, Inc."

Szymanski, Daniel B; agronomy, from National Science Foundation, \$6,000, "Co-Localization of SPK1 and ROP Small GTPases in Developing Cotyledon Pavement Cells."

Tan, Hong Z; electrical & computer engineering, from National Science Foundation, \$346,602, "Collaborative Research: HCC-Medium: Hand-Mounted Tactile Displays for Haptics and Human-Computer Interaction."

Tao, Bernard Y; agricultural & biological engineering, from Ross Graduate Fellowship/Assistantship, \$17,001.

Taylor, Lynne S; industrial & physical pharmacy, from National Science Foundation, \$64,907, "Collaborative Research: Polysaccharide Derivatives for Enhanced Drug Delivery—Amendment 1."

Thottethodi, Mithuna S; electrical & computer engineering, from National Science Foundation, \$50,000, "Career:Cross-Layer Schemes for Flexible Resource Sharing in Multi-Core Systems—Amendment 2."

Troy, Cary D; civil engineering, from Purdue Research Foundation: SIRG, \$16,750, "High-Performance Integrated Modeling of Lake Michigan Circulation: Development of a Coupled Land-Air-Ocean Model."

Trumble, Kevin P; materials engineering, from Siemens Energy & Automation Inc., \$5,000, "Microstructure Characterization of Superalloy Test Specimens."

Van Der Veen, Jatila K; chemistry & physics — Calumet campus, from Jet Propulsion Laboratory, \$15,000, "Planck Phase E Contract—Amendment 1."

Varma, Amit H; civil engineering, from Westinghouse Electric Corporation, \$349,037, "Full-Scale Experimental Evaluation of SC-to-RC Wall Connection Design for Nuclear Shield Building Application."

Varma, Arvind; chemical engineering, from Chappelle, \$18,935.

Varma, Arvind; chemical engineering, from Purdue University F N Andrews Fellowship, \$17,001.

Varma, Arvind; chemical engineering, from Ross Graduate Fellowship/Assistantship, \$17,001.

Varma, Arvind; chemical engineering, from Ross Graduate Fellowship/Assistantship, \$17,001.

Varma, Arvind and Tao, Bernard Y; chemical engineering, agricultural & biological engineering, from Indiana Soybean Alliance, \$47,607, "Catalytic Conversion of Glycerin to Dihydroxyacetone (DHA)."

Varma, Arvind; chemical engineering, from Ross Graduate Fellowship/Assistantship, \$17,001.

Vemulapalli, Ramesh; comparative pathobiology, from Ross Graduate Fellowship/Assistantship, \$16,750.

Viens, Frederi G; statistics, from National Science Foundation, \$230,721, "Density and Tail Estimates via Malliavin Calculus, and Applications."

Vitek, Jan; computer science, from National Science Foundation, \$250,000, "SHF: Small: Collaborative Research: Specification and Verification of Safety Critical Java."

Vitek, Jan; computer science, from National Science Foundation, \$16,000, "REU- CSR-EHS High-Throughput Real-Time Stream Processing in Java."

Vitek, Jan; computer science, from National Science Foundation, \$70,000, "CSR-EHS: High-Throughput Real-Time Stream Processing in Java—Amendment 3."

Vorst, James J; agronomy, from American Society of Agronomy, \$10,500, "American Society of Agronomy."

Vyn, Tony J; agronomy, from Fluid Fertilizer Foundation, \$6,000, "Agricultural Cropping Systems."

Vyn, Tony J; agronomy, from Monsanto Company, \$29,000, "Agricultural Cropping Systems."

Walker, William S; office of engagement, from Indiana Department of Education, \$23,084, "Indiana Algebra Initiative (IAI) 2009 - Part 2."

Walker, William S; office of engagement, from Indiana Department of Education, \$299,573, "Summer PD Grants and Algebra Initiative."

Walker, William S; office of engagement, from Indiana Department of Education, \$26,868, "Indiana Algebra Initiative (IAI) 2009 - Part 1."

Walker, William S; office of engagement, from Indiana Department of Education, \$64,000, "MSP Strategic Plan."

Wassgren, Carl R; mechanical engineering, from Griffith Laboratories, \$47,330, "Continuous Blending."

Weaver, Connie M; foods & nutrition, from Lynn Interdisciplinary Graduate Fellowship, \$16,750.

Wegener, Duane T; psychological sciences, from University of Chicago, \$27,843, "Modeling Social Behavior in Reaction to Infectious Disease Risk Response Measures."

Weiner, Andrew M; electrical & computer engineering, from Naval Postgraduate School, \$772,239, "Novel Ultrabroadband Photonic and Radio-Frequency Systems for Communications, Sensing and Countermeasures."

Weiser, Irwin H; English, from Ross Graduate Fellowship/Assistantship, \$17,185.

Weller, Stephen C and Lowenberg-Deboer, James M; horticulture & landscape architecture, international programs in agriculture, from Indiana University Purdue University at Indianapolis, \$62,594, "Ampath Project."

Whiteman, Shawn D; child development & family studies, from Ross Graduate Fellowship/Assistantship, \$16,750.

Whiteman, Shawn D; child development & family studies, from PHS-NIH National Institute on Alcohol Abuse, \$184,977, "Sibling Influences on Adolescents Alcohol and Substance Use Orientations."

Wild, Robert E; chemistry, from Purdue Doctoral Program, \$16,685.

Wild, Robert E; chemistry, from Purdue Doctoral Program, \$16,685.

Wilker, Jonathan J; chemistry, from National Institutes of Health, \$41,176, "Polylactic Acid Derivatives with Cross-Linkable Groups for Surgical Adhesives."

Williams, Ralph E; entomology, from Fair Oaks Dairy Farm, LLC, \$3,000, "Entomology Research."

Wodicka, George R; biomedical engineering, from George Washington Carver Fellowship, \$2,142.

Wodicka, George R; biomedical engineering, from Purdue Doctoral Program, \$17,001.

Wodicka, George R; biomedical engineering, from Ross Graduate Fellowship/Assistantship, \$17,001.

Wodicka, George R; biomedical engineering, from Indiana University Purdue University at Indianapolis, \$16,202, "Support of Biomedical Engineering Graduate Students."

Wodicka, George R; biomedical engineering, from George Washington Carver Fellowship, \$20,935.

Wodicka, George R; biomedical engineering, from Purdue Doctoral Program, \$17,001.

Wu, Ching C; comparative pathobiology, from Ross Graduate Fellowship/Assistantship, \$16,750.

Xu, Xianfan and Fisher, Timothy; mechanical engineering, from Universal Technology Corporation, \$33,605, "Photoacoustic Measurement of Thermal Conductance at Low Temperatures." (a Discovery Park award — Birck Nanotechnology Center)

Yau, David K; computer science, from UT-Battelle LLC, \$20,000, "Modification System Support for Detection, Identification, and Tracking Tasks in Sensor-Syber Networks—Amendment 2."

Yehle, Karen S and Plake, Kimberly S; nursing, pharmacy practice, from Kinley Trust, \$20,000, "Health Literacy, Medication Hassles, and Self-Care in Heart Failure: A Longitudinal Study."

Zheng, Wei; health sciences, from Purdue Doctoral Program, \$20,148.

Zheng, Wei; health sciences, from PHS-NIH National Institute of Environment Health Science, \$35,740, "Application for Summer Administrative Supplement to Grant # R21 ES017055 Beta-Amyloid Clearance by Choroid Plexus: Effect of Lead Exposure."

Zhou, Chenn Q; mechanical engineering — Calumet campus, from Nisource Corporate Services Company, \$7,500, "Nisource Bailey Station Flow Modeling Project."

Zhuang, Qianlai; earth & atmospheric sciences, from U.S. Department of Energy, \$29,988, "Quantifying Climate Feedbacks from Abrupt Changes in High-Latitude Trace-Gas Emissions—Mod 1."

Zhuang, Qianlai; earth & atmospheric sciences, from National Aeronautics and Space Administration, \$30,000, "Improving a Process-Based Biogeochemistry Model Using an Atmospheric Transport Chemistry Model and In Situ and Remotely-Sensed Terrestrial and Atmospheric Data."

Ziaie, Babak; electrical & computer engineering, from Eli Lilly and Company, \$115,918, "A Micropump for Cyrus Drug Delivery Device." (a Discovery Park award — Birck Nanotechnology Center)

Ziaie, Babak; electrical & computer engineering, from National Science Foundation, \$150,000, "Micromachined Thermophones with Engineered Thermo-Acoustic Response." (a Discovery Park award — Birck Nanotechnology Center) □

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