

DIMENSIONS *of* DISCOVERY

Sponsored Program Awards

November 2009

Abbott, Angela R and **Zotz, Karen L**; College of Consumer & Family Sciences, from Indiana Family and Social Services Administration, \$5,048,854, "FNP 2009."

Abbott, Angela R and **Ferrol, Christina E**; College of Consumer & Family Sciences, field extension educators, from CICOA, \$100,000, "CICOA."

Abraham, John; mechanical engineering, from Adagio Associates Inc., \$3,500, "Toro-rail Sprays."

Abu-Omar, Mahdi M; chemistry, from Purdue Research Foundation: XR Grant, \$16,750, "Catalyst Design by Discovery Informatics."

Ajuwon, Kolapo; animal sciences, from Danisco Animal Nutrition, \$12,500, "Research Gift Funds."

Aldridge, Linda R; field extension educators, from National 4-H Council, \$2,500, "THRUST Team Huntington County 4-H Robotics."

Alexeenko, Alina; aeronautical & astronautical engineering, from Baxter Pharmaceuticals Solution LLC, \$12,000, "Baxter Donation."

Allebach, Jan P; electrical & computer engineering, from Hewlett Packard, \$75,000, "Integrated Print Quality Evaluation."

Alter, Kirk D; building construction & management technology, from Mezzetta Construction Services, \$634,287, "IHCD Home Energy Conservation Program: Technical Monitoring Services."

Amass, Sandra F; veterinary clinical science, from American Veterinary Medical Association Foundation, \$5,000, "Graduate Certificate Program in Veterinary Homeland Security."

Anderson, Donald J and **Savaiano, Dennis A**; College of Consumer & Family Sciences, from Destination Marketing Association International, \$23,255, "DMAI."

Applegate, Todd J; animal sciences, from Biomin America Inc., \$2,000, "Pyhtase in Poultry."

Avramova, Larisa V; Bindley Bioscience Center, from Antech Diagnostics, \$30,673, "Scale Up Recombinant Protein Expression for the BioCD." (a Discovery Park award — Bindley Bioscience Center)

Balakrishnan, Venkataramanan; electrical & computer engineering, from Purdue University F N Andrews Fellowship, \$16,935, "Fellowship."

Bauman, Thomas T; botany & plant pathology, from Bayer CropScience LP (Environmental Science), \$16,500, "Weed Research."

Bayley, William G; chemistry, from Frontier School Corporation, \$300, "Instrumentation Van Project."

Bayley, William G; chemistry, from Pioneer Regional School Corporation (Junior-Senior High School), \$300, "Instrumentation Van Project."

Bayley, William G; chemistry, from Elkhart Community Schools, \$300, "Instrumentation Van Project."

Bayley, William G; chemistry, from Twin Lakes School Corporation, \$300, "Instrumentation Van Project."

Beckerman, Janna L; botany & plant pathology, from Syngenta Crop Protection Inc., \$6,500, "Indiana Arborists Association, Inc."

Beckerman, Janna L; botany & plant pathology, from Indiana Professional Lawn & Landscape Association, \$200, "Indiana Arborists Association, Inc."

Bertoline, Gary R and **Song, Xiaohui C**; College of Technology—Administration, Rosen Center for Advanced Computing, from University of Chicago, \$330,584, "TeraGrid GIG Purdue University Science Gateway."

Bigelow, Cale A; agronomy, from Aquatrols Corporation of America, \$1,000, "Putting Greens Research."

Bigelow, Cale A; agronomy, from Becker Underwood, \$3,600, "Putting Greens Research."

Blatchley, Ernest R; civil engineering, from Hydroqual, Inc., \$8,000, "Analysis of Flow Cyclometry Data."

Borch, Richard F; medicinal chemistry & molecular pharmacology, from Winifred B. Bilsland Endowment, \$9,468, "Fellowship."

Borch, Richard F; medicinal chemistry & molecular pharmacology, from Embassy of the Arab Republic of Egypt, \$10,000, "09/10 Embassy of Arab Republic of Egypt Government."

Borch, Richard F; medicinal chemistry & molecular pharmacology, from Winifred B. Bilsland Endowment, \$9,468, "Fellowship."

Borch, Richard F; medicinal chemistry & molecular pharmacology, from Winifred B. Bilsland Endowment, \$9,468, "Fellowship."

Braun, James E; mechanical engineering, from New Buildings Institute, \$150,000, "Diagnostic Protocol Evaluator (Task 6.2)."

Braun, James E and **Groll, Eckhard A**; mechanical engineering, from Air Force Research Laboratory, \$20,330, "Development of a System Design Methodology for Robust Thermal Control Systems to Support Operationally Responsive Space."

Brightman, Andrew O; biomedical engineering, from Indiana University Purdue University at Indianapolis, \$17,021, "Joint MD PhD Program for Graduate Support."

Buczkowski, Grzegorz A; entomology, from BASF Corporation, \$5,000, "Multi Sponsored."

Buzon, Michele R; anthropology, from National Geographic Society, \$20,000, "A Bioarchaeological Investigation of Napatan State Development at the Third Cataract."

Byrn, Stephen R; industrial & physical pharmacy, from Winifred B. Bilsland Endowment, \$9,468, "Fellowship."

Caffee, Marc W; physics, from Lower Colorado River Authority, \$70,000, "Analytical Services on Water Samples."

Charavarthi Madhavan, Krishna P; engineering education, from National Science Foundation, \$477,231, "CAREER: Advancing Engineering Education through Learner-Centric, Adaptive Cyber-Tools and Cyber-Environments."

Chen, Weinong W; aeronautical & astronautical engineering, from Sandia National Laboratories, \$30,000, "Extended Duration of Acceleration on a Kolsky Bar."

Chen, Weinong W; aeronautical & astronautical engineering, from Army Research Office, \$100,000, "Effects of Surface Treatment and Interfacial Strength on the Damage Propagation in Layered Transparent Armor Under Impact."

Chen, Yong P; physics, from IBM, \$30,000, "IBM Corporation."

Clark, Jason V; electrical and computer engineering, from Carnegie-Mellon University, \$104,746, "CDI - Type II: Building a Virtual Micro/Nanosystems Design Community." (a Discovery Park award — Birck Nanotechnology Center)

Cooks, Robert G; chemistry, from Pfizer Inc., \$100,000, "Evaluation of Ambient Ionization Mass Spectrometry Technologies for Real Time Reaction Monitoring." (a Discovery Park award — Bindley Bioscience Center)

Cooks, Robert G; chemistry, from Thermo Fisher Scientific, \$37,500, "Thermo Fisher Voluntary Support Account."

Cooks, Robert G; chemistry, from Thermo Finnigan, \$35,000, "Thermo Proposal 2009-2010." (a Discovery Park award — Bindley Bioscience Center)

Cooks, Robert G; chemistry, from Thermo Finnigan, \$25,000, "Thermo Proposal 2009-2010." (a Discovery Park award — Bindley Bioscience Center)

Cordes, Samuel M; Office of Engagement, from Indiana Economic Development Corporation, \$1,000, "Southeastern Small Business Development Center — Federal July-Dec 2009 — \$1,000 Increase."

De Hoop, Maarten V; mathematics, from ExxonMobil Upstream Research Company, \$80,000, "Geo-Mathematical Imaging Group (GMIG) Consortium."

Dietz, James E; computer and information technology, from 21st Century Systems Inc., \$80,000, "Operational Support Concept for Intelligent Distributed Command and Control (IDC2)." (a Discovery Park award — Discovery Park Administration)

Donkin, Shawn S; animal sciences, from Cooperative State Research Service, \$337,049, "Control of Pyruvate Carboxylase Promoter Function and Physiological Significance in Dairy Cattle."

Doudareva, Natalia; horticulture & landscape architecture, from University of Kentucky, \$54,404, "Advancing Drug Development in Medicinal Plants Using Transcriptomics and Metabolomics."

Duchatelet, Martine; management—Calumet campus, from Indiana Small Business Development Center, \$27,960, "Northwest Indiana Small Business Development Center 2009—Additional Funds."

Duchatelet, Martine; management—Calumet campus, from Indiana Small Business Development Center, \$3,000, "Northwest Indiana Small Business Development Center 2009."

Dyke, Shirley J; mechanical engineering, from National Science Foundation, \$111,164, "Workshop/Collaborative Research: Vision 2020: an Open Space Technology Workshop on the Future of Earthquake Engineering; St. Louis, Missouri; January 2010." (a Discovery Park award — Cyber Center)

Egel, Daniel S; botany & plant pathology, from E.I. DuPont De Nemours and Company, \$13,000, "Potassium Management."

Egel, Daniel S; botany & plant pathology, from Michigan State University, \$3,000, "Efficacy and Phytotoxicity of Acibenzolar and Other Compounds for the Control of Fusarium Wilt of Watermelon."

Ericson, Karen L; chemistry—Fort Wayne campus, from Wyle Laboratories, \$24,175, "Urine Pyridoxic Acid Analysis and Plasma/Serum Vitamin B6 Analyses."

Ericson, Karen L; chemistry—Fort Wayne campus, from Wyle Laboratories, \$950, "Pyridoxic Acid Analysis."

Fahmy, Sonia A; computer science, from BBN Technologies, \$160,000, "Scalable & Safe Monitoring of GENI Clusters."

Fernandez-Juricic, Esteban; biological sciences, from Animal Plant Health Inspection Service, \$25,500, "Visual Properties of the Canada Goose: Implications for Bird-Aircraft Collision."

Ferruzzi, Mario; food science, from Mead Johnson Nutritionals, \$37,500, "Profile and Bioaccessibility of Phytonutrients from Human Milk."

Field, William E; agricultural & biological engineering, from Alvin R or Ruth C Rasmussen, \$30, "Breaking New Ground."

Field, William E; agricultural & biological engineering, from Sandra Stevenson, \$43, "Breaking New Ground."

Field, William E; agricultural & biological engineering, from Susan Tachau, \$50, "Breaking New Ground."

Field, William E; agricultural & biological engineering, from Rodney or Susan Peterson, \$80, "Breaking New Ground."

Field, William E; agricultural & biological engineering, from Roberta Schweitzer, \$35, "Breaking New Ground."

Field, William E; agricultural & biological engineering, from M. Nell Bailey, \$30, "Breaking New Ground."

Field, William E; agricultural & biological engineering, from Russell or Wanda Ramsey, \$80, "Breaking New Ground."

Field, William E; agricultural & biological engineering, from James L or Madge Williams, \$75, "Breaking New Ground."

Fleet, James C and Snyder, Paul W; foods & nutrition, comparative pathobiology, from American Institute for Cancer Research, \$165,000, "Does Vitamin D Status Modulate Colon Cancer Driven by APC Allele Loss?."

Gerber, Corey K; agronomy, from Unity Seeds, \$850, "DTC Summer Workshop: Unity Seeds—June 25, 2009."

Gibson, Kevin D; Ridgway, Kenneth D; Lewis, Dwight E; Rabenold, Kerry N; Smith, Mjt; Zollner, Patrick A and Zurn-Birkhimer, Suzanne M; botany & plant pathology, earth & atmospheric sciences, graduate school administration, biological sciences, forestry & natural resources, Discovery Learning Research Center, from Alfred P Sloan Foundation, \$84,831, "Tecumseh Project: Purdue Program for Native Americans - a Proposal for a Partnership Between Purdue University and the Sloan Foundation." (a Discovery Park award — Discovery Learning Research Center)

Gillespie, Andrew R; International Programs, from Shanghai Jiao Tong University, \$43,278, "Summer Program in American Life and Culture for Students from China."

Groll, Eckhard A and **Braun, James E**; mechanical engineering, from California Energy Commission, \$249,729, "Optimizing Refrigerant Distribution in Evaporators."

Han, Qingyou; **Bowman, Keith J**; **Johnson, David R**; **Trumble, Kevin P**; **Krane, Matthew J** and **Trice, Rodney W**; mechanical engineering technology, materials engineering, from North American Die Casting Association, \$200,000, "HyperCAST Program."

Handwerker, Carol A; materials engineering, from Cisco Systems, Inc., \$40,000, "Cisco Systems."

Harris, Phyllis G; field extension educators, from St. Monica Parish, \$2,184, "Life Talks—an Intergenerational Mentoring Program."

Heber, Albert J; agricultural & biological engineering, from Agricultural Air Research Council Inc., \$52,813, "National Air Emissions Monitoring Study."

Hertel, Thomas W; agricultural economics, from The Asian Development Bank, \$18,900, "GTAP Membership."

Hertel, Thomas W; agricultural economics, from International Food Policy Research Institute, \$19,650, "GTAP Membership."

Hertel, Thomas W; agricultural economics, from The World Trade Organization, \$19,650, "GTAP Membership."

Howe, Katherine M; botany & plant pathology, from Laura Macfarland, \$20, "Katherine Howe Gift Fund."

Howe, Katherine M; botany & plant pathology, from Lois H Winkel, \$20, "Katherine Howe Gift Fund."

Howe, Katherine M; botany & plant pathology, from Bruce A & Heather C Bacher, \$100, "Katherine Howe Gift Fund."

Hu, Y Charlie; electrical & computer engineering, from Narus Inc., \$25,000, "Networking Research Gift."

Irfanoglu, Ayhan; civil engineering, from Middle East Technical University, \$9,967, "Seismic Vulnerability Assessment of Select Historic Masonry Buildings in the Faith District of Istanbul, Turkey."

Ishii, Mamoru; nuclear engineering, from Bechtel Bettis, Inc., \$27,291, "Three Dimensional Interfacial Area Transport Equation (IATE) Development Po 3017044—Amendment 2."

Ishii, Mamoru; nuclear engineering, from Westinghouse Electric Corporation, \$10,000, "Scaling Analysis of Air Entrapment in the Flow of an Emergency Core Cooling Suction."

Ivantysynova, Monika; **Frankel, Steven H**; **Lumkes, John H** and **Martini, Ashlie M**; agricultural and biological engineering, from University of Minnesota, \$512,178, "NSF Engineering Research Center (ERC) for Compact, Clean and Efficient Fluid Power Systems Amendment 7." (a Discovery Park award — Energy Center)

Jackson, Scott A; agronomy, from Y-12 National Security Complex, \$98,602, "Machining by Directed Lubrication Using Coated Cutting Tools Amendment 3."

Johnson, William G; botany & plant pathology, from BASF Corporation, \$9,600, "WEED Research."

Kak, Avinash C; electrical & computer engineering, from Elsevier Inc., \$3,888, "Editorship of Our Journal, *CVGIP*: Image Understand."

Keener, Kevin M; food science, from Air Liquide, \$9,923, "Evaluation of In-Package Ozonation Treatment of Raw Chicken Meat in Modified Atmosphere Packaging (MAP)."

Kirkpatrick, Jane M; nursing, from Indiana Tobacco Use Prevention and Cessation Trust, \$200,000, "Indiana Tobacco Prevention and Cessation Grant for Tippecanoe County."

Kirkpatrick, Jane M; nursing, from PHS-HRSA National Center for Health Services Research, \$17,000, "Health Center Cluster."

Klimeck, Gerhard; electrical & computer engineering, from Ruhr University Bochum, \$9,090, "Graduate Student Support."

Klimeck, Gerhard and **McLennan, Michael J**; electrical & computer engineering, Rosen Center for Advanced Computing, from Cornell University, \$313,715, "A TeraGrid Matlab Cluster - Exploring New Services for an XD Future." (a Discovery Park award — Network for Computational Nanotechnology)

Knapp, Deborah W; veterinary clinical science, from Michael O. Childress, \$250, "Cancer Treatment Program."

Lacount, Douglas J; medicinal chemistry & molecular pharmacology, from University of Notre Dame, \$31,446, "Yeast Two-Hybrid Analysis of Plasmodium Falciparum (Year 3 of 5)."

Landry, Steven J; industrial engineering, from California State University—Long Beach, \$75,000, "Metrics for Operator Situation Awareness, Workload, and Performance in Automated Separation Assurance Systems Amendment."

Latin, Richard X; botany & plant pathology, from BASF Corporation, \$6,300, "Turfgrass Disease Research."

Latin, Richard X; botany & plant pathology, from BASF Corporation, \$7,000, "Turfgrass Disease Research."

Leverenz, Larry J; health & kinesiology, from University of Iowa, \$16,254, "Perceived Social Support on Athletes Resilience Following Athletic Injury—Amendment 2."

Li, Zhiyuan and **Eigenmann, Rudolf**; computer science, electrical & computer engineering, from Intel Corporation, \$75,000, "Parallel Programming Model and Compiler Optimization Technology for Heterogeneous Multi-Core Architecture LRB."

Lowe, Zachary E; forestry & natural resources, from BASF Corporation, \$6,000, "Voluntary Support."

Lynam, Donald R; psychological sciences, from University of Kentucky Research Foundation, \$89,818, "Mediating Processes in the Personality Substance Use Relation."

MacDermidWadsworth, Shelley and **Posada, German E**; College of Consumer & Family Sciences, child development & family studies, from Stottler Henke Associates, Inc., \$17,500, "Absent Family Assisted Reading."

Maier, Dirk E; agricultural & biological engineering, from Opisystems, \$1,700, "Crop Drying Project."

McCullough, Robert G; anthropology—Fort Wayne campus, from Indiana Department of Natural Resources, \$17,490, "Archaeological Records Check and Phase 1a of Approximately 220 Acres at Prophetstown State Park in Tippecanoe County, Indiana."

McCullough, Robert G; anthropology—Fort Wayne campus, from Indiana Department of Administration, \$13,060, "Archaeological Phase 1A Survey at the Seybold-Price House in Fountain City, Indiana."

McGlothlin, James D; health sciences, from Orasure Technologies Inc., \$5,000, "Ergonomics."

McNamara, Kevin T; agricultural economics, from The Indiana National Guard, \$802, "Indiana National Guard Ag Development Team Training."

Mobley, Amy R; foods & nutrition, from Indiana State Department of Health, \$95,213, "Indianas Food for the Hungry."

Morgan, Mark T; food science, from Graco, Inc., \$1,200, "EHEDG Cleanability Testing a Diaphragm Pump (Model 1590 SBBAAA)."

Mudawar, Issam; mechanical engineering, from Office of Naval Research, \$115,343, "Physics Based Modeling and Measurement of High-Flux Condensation Heat Transfer."

Murphy, Angus S; horticulture & landscape architecture, from University of Texas–Pan American, \$94,800, "URM: Undergraduate Research and Mentoring at a Hispanic Serving Institution Investigating a Rare Ecosystem."

Nichols, Krista M; forestry & natural resources, from U.S. Fish and Wildlife Service, \$4,316, "Ichthyophonous Prevalence in Kuskokwim River Chinook Salmon."

Novak, Julie C; Altman, Mary I and Sands, Laura P; nursing, from Helene Fuld Health Trust, \$362,613, "Empowering Nursing Leaders through Healthcare Engineering Partnership Education."

Ohm, Herbert W; agronomy, from Agricultural Research Service, \$2,500, "Soft Wheat Quality Lab Samples."

Olszewski, Lynn T; nursing–Calumet campus, from Indiana Minority Health Coalition, \$1,875, "Partnership with Indiana Minority Health Care."

OuYang, Zheng; biomedical engineering from Thermo Fisher Scientific, \$37,500, "Thermo Fisher Vol. Support Account."

Owns, Phillip R; agronomy, from Natural Resources Conservation Service, \$10,000, "Watershed Evaluation of LOESS Vaneer Benchmark Catenas and MLRA 120."

Pak, William L; biological sciences, from Washington University, \$82,128, "G Protein Subunit Function."

Park, Johnny and Kak, Avinash C; electrical & computer engineering, from Carnegie-Mellon University, \$190,040, "Comprehensive Automation for Specialty Crops."

Peroulis, Dimitrios; electrical and computer engineering, from Microassembly Technologies Inc., \$20,000, "Microassembly Technologies, Inc." (a Discovery Park award — Birck Nanotechnology Center)

Peroulis, Dimitrios; electrical and computer engineering, from Laserlith Corp, \$30,000, "Laserlith." (a Discovery Park award — Birck Nanotechnology Center)

Peroulis, Dimitrios; electrical and computer engineering, from Microassembly Technologies Inc., \$10,000, "Microassembly Technologies, Inc." (a Discovery Park award — Birck Nanotechnology Center)

Plake, Kimberly S; pharmacy practice, Winifred B. Bilsland Endowment, \$9,468, "Fellowship."

Podell, Rickey L; field extension educators, from St. Joseph County 4-H Fair, Inc., \$857, "4-H Promotion Position 2009."

Radcliffe, John S; animal sciences, from Alltech Biotechnology Center, \$8,000, "Alltech Biotechnology Center."

Raghothama, Kashchandra G; horticulture & landscape architecture, from McKnight Foundation, \$36,000, "New Approach for Improving Phosphorous Acquisition and Aluminum Tolerance of Plants on Marginal Soils."

Rajwa, Bartlomiej P; Bindley Bioscience Center, from J M Malone and Son Inc., \$5,066, "Ploidy Level Determination in Chinese Grass Carp Larvae Using Flow Cytometry." (a Discovery Park award — Bindley Bioscience Center)

Ramirez, Julio A; Eigenmann, Rudolf; Brophy, Sean; Hacker, Thomas J; Pujol, Santiago; Bagchi, Saurabh; Malik, Tanu and Irfanoglu, Ayhan; civil engineering, electrical and computer engineering, engineering education, computer and information technology, the Cyber Center, from National Science Foundation, \$8,185,907, "NEES Operations: FY 2010-FY2014." (a Discovery Park award — Cyber Center, Discovery Learning Research Center)

Raskin, Rose E; comparative pathobiology, from Antech Diagnostics, \$900, "Immunocytochemistry Research."

Ratliff, Timothy L and Elzey, Bennett D; comparative pathobiology, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, \$325,050, "Initiation and Regulation of Chronic Autoimmune Prostate Inflammation."

Ratliff, Timothy L; comparative pathobiology, from Carroll County Cancer Association, \$10,000, "Cancer Research."

Regnier, Fred E; chemistry, from Indiana University, \$48,969, "MMRF Proteomics Initiative." (a Discovery Park award — Bindley Bioscience Center)

Reicher, Zachary J; agronomy, from FMC Corporation, \$800, "Turfgrass Weed Management Research Programs."

Reicher, Zachary J; agronomy, from FMC Corporation, \$13,200, "Turfgrass Weed Management Research Programs."

Reicher, Zachary J; agronomy, from FMC Corporation, \$2,800, "Turfgrass Weed Management Research Programs."

Reicher, Zachary J; agronomy, from E.I. DuPont De Nemours and Company, \$4,200, "Turfgrass Weed Management Research Programs."

Reklaitis, Gintaras V; Taylor, Lynne S; Litster, James D; Venkatasubramanian, Venkat and Wassgren, Carl R; chemical engineering, industrial & physical pharmacy, mechanical engineering, from Rutgers State University, \$956,940, "Engineering Research Center on Structural Organic Composites."

Richmond, Douglas S; entomology, from Valent U.S.A. Corporation, \$3,600, "Turfgrass Entomology Research."

Rivers, Robert; School of Education–Calumet campus, from Lakeshore Alliance for Student Success Inc., \$76,577, "LASS Agreement Continuation."

Ropp, Timothy D; aviation technology, from USC Consulting Group, \$9,787, "Hangar of the Future Electronic Maintenance Booth (E-Booth)."

Rossmann, Michael G; biological sciences, from Washington University, \$92,700, "Antibody-Based Protection Against Dengue Virus."

Sadeghi, Farshid; mechanical engineering, from CACI International Inc., \$800,000, "Disruptive MEM Sensors for Monitoring Aircraft Drive Trains."

Saha, Shubin K; horticulture & landscape architecture, from Carl Woodson Speir, \$750, "Multi-Sponsored Gift Account."

Saha, Shubin K; horticulture & landscape architecture, from Sakata Seed America Inc., \$250, "Multi-Sponsored Gift Account."

Saha, Shubin K; horticulture & landscape architecture, from United Genetics Seed Company, \$500, "Multi-Sponsored Gift Account."

Schendel, Dan E; department of management, from Strategic Management Society, \$2,203, "Strategic Management Society."

Schneider, Steven P; aeronautical & astronautical engineering, from Sandia National Laboratories, \$10,000, "Support Tunnel Operations and Perform Sandia Experiments."

Schneider, Steven P; aeronautical & astronautical engineering, from National Aeronautics and Space Administration, \$185,284, "Quantitative Global Heat Transfer in a Mach-6 Quiet Tunnel—Supplement 3."

Schoenlein, William E and Van Alstine, William G; biomedical engineering, comparative pathobiology, from MED Institute, Incorporated, \$30,198, "Vena Cava Filter Implant Testing Ci-VCRM Grant No. 202922—Amendment 2."

Schoenlein, William E and Van Alstine, William G; biomedical engineering, comparative pathobiology, from MED Institute, Incorporated, \$30,198, "Vena Cava Filter Testing Ci-VCIB Grant No. 202922—Amendment 3."

Shalae, Vladimir M; Boltasseva, Alexandra and Narimanov, Evgueni E; electrical and computer engineering, from Duke University, \$620,250, "Transformation Optical Metamaterials." (a Discovery Park award — Birck Nanotechnology Center)

Sherman, Louis A; biological sciences, from Washington University, \$166,420, "Optimization of Carbon Sequestration by Cyanobacteria, an Oxygenic Photosynthetic Microorganism."

Shi, Riyi and Smith, Daniel T; basic medical science, industrial & physical pharmacy, from Indiana State Department of Health, \$60,000, "Anti-Acroline Treatment in a Live Animal Model of Science."

Singleton, Timothy J; WBAA, from Corporation for Public Broadcasting, \$143,920, "Corporation for Public Broadcasting Radio Community Service Grant—Fiscal Year 2010."

Sinha, Kumares C; civil engineering, from Flint Trading Inc., \$2,000, "JTRP Supplementary Research Account."

Sloan, Mary Anne; Technology Assistance Program, from Indiana State Department of Health, \$50,500, "MLC-3.2 Attachment C."

Sloan, Mary Anne; Technology Assistance Program, from Indiana State Department of Health, \$176,500, "PHSQIP-3—Amendment D."

Smith, Richard S; food science, from Heartland Sweeteners, \$9,400, "Sensory Evaluation Research."

Smith, Richard S; food science, from Pierre, \$5,500, "Sensory Evaluation Research."

Snow, Lowell D; Technology Assistance Program, from Indiana University, \$45,600, "Director of University Engagement for SW Indiana."

Snow, Lowell D; Technology Assistance Program, from Indiana Office of Energy & Defense Development, \$100,000, "Building Energy Efficiency 2010."

Son, Steven F; mechanical engineering, from Pennsylvania State University, \$200,000, "Novel Energetic Materials for Space Propulsion."

Spafford, Eugene H; Bertino, Elisa; Bhargava, Bharat; Fahmy, Sonia A and Mislan, Richard P; CERIAS, computer science, from Northrop Grumman Space Technology, \$500,000, "NGIT Cybersecurity Research Consortium."

Stefancik, Jennifer L; field extension educators, from Daviess County Community Foundation, \$1,000, "Strengthening Families through Parent Education."

Steuterman, Ronald J; Energy Center, from Center for Coal Technology Research, \$208,821, "Center for Coal Technology Research (CCTR) Proposal to Provide Indiana Coal Education and Outreach Programming through June 30, 2010." (a Discovery Park award — Energy Center)

Talavage, Thomas M; electrical & computer engineering, from Cook Incorporated, \$25,000, "Cook Support for MRI."

Thompson, David H; chemistry, from University of Illinois at Chicago, \$30,312, "Synthesis of NTA-PEG Conjugates for Surface."

Tomar, Vikas; aeronautical & astronautical engineering, from University of Notre Dame, \$61,345, "Computer Aided Multi-Scale Design of SIC-Si3N4 Nanoceramic Composites for High-Temperature Structural Applications."

Troy, Cary D and Hook, Tomas O; civil engineering, forestry and natural resources, from Indiana Department of Natural Resources, \$99,127, "Concurrent Fine-Scale Mapping of Nearshore Water Quality and Larval Fish Dynamics: Insights to Potential Climate Change Impacts on Fish Recruitment." (a Discovery Park award — Center for the Environment)

Van Vleet, John F; School of Veterinary Medicine—Administration, from Medtronic, Inc., \$2,038, "Corvacular Surgical Systems, Inc."

Vemulapalli, Ramesh; comparative pathobiology, from PHS-NIH National Institute of Allergy and Infectious Diseases, \$15,000, "Brucellosis Research Conference 2009."

Venkatasubramanian, Venkat; chemical engineering, from Idaho National Laboratory, \$75,000, "Methodologies for the Design, Analysis, and Validation for Operations of Complex Resilient Networks." (a Discovery Park award — Discovery Park Administration)

Waltz, Robert D; Indiana State Chemist, from PHS-FDA Food and Drug Administration, \$18,172, "FY 2010 FDA Feed Mill and BSE Inspection."

Waltz, Robert D; biochemistry, from PHS-FDA Food and Drug Administration, \$770, "FY 2010 FDA Feed Mill and BSE Inspection—Amendment 1."

Waters, David J; veterinary clinical science, from Gerald P. Murphy Cancer Foundation, \$5,000, "Activities that Support Research and Communication Efforts."

Weiss, William J and Olek, Jan; civil engineering, from Compass Minerals, \$42,000, "Examining Potential Pitfalls in Testing for Deicing Salt/Concrete Pavement Interactions."

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

Wise, Kiersten A; botany & plant pathology, from Bayer CropScience LP (Environmental Science), \$8,000, "Voluntary Support Account."

Xu, Dongyan; computer science, from North Carolina State University, \$90,131, "Towards High Assurance Active Introspection."

Notice Regarding Sponsored Program Awards

The Sponsored Program Awards list is generated by Sponsored Program Administration. Questions concerning the information contained in the *Dimensions of Discovery* awards pages should be directed to Stephanie Willis at swillis@purdue.edu. ■