Board of Trustees Meeting

October 6, 2023



June 2023

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Marc Caffee College of Science – Physics and Astronomy	National Science Foundation	Collaborative Research: Research Infrastructure: CFS (Track III) Cosmogenic Nuclides in Earth Science Research: Allied facilities for sample preparation, analysis, and training	\$3,793,185.00
Shelley MacDermid Wadsworth College of Health and Human Sciences – Human Development and Family Sciences	Lilly Endowment Inc.	Sustaining Support for Military and Veteran Families	\$3,500,000.00
Dallas Morisette College of Engineering – Electrical and Computer Engineering	GlobalFoundries U.S. Inc.	Optimization and Commercialization of Advanced Trench SiC MOSFETs	\$2,626,091.00
Shaoshuai Mou College of Engineering – Aeronautics and Astronautics	Saab North America Inc. / Office of Naval Research	Threat & Situational Understanding with Networked-Online Machine Intelligence (TSUNOMI)	\$4,372,073.00
Mathew Trampski Centers & Institutes – Technical Assistance Program/Manufacturing Extension Program	Bank of America	Global Operations Executive Education Program	\$2,250,419.00
Amit Varma IRIS - Infra Research & Innovative Solutions	Bechtel National Inc. / U.S. Department of Air Force	BNI Phase 2 Dynamic Testing (GBSD Phase II)	\$2,544,864.01
George Wodicka Centers & Institutes – Bindley Bioscience	Indiana University / National Institutes of Health-National Center for Advancing Translational Sciences	Indiana Clinical and Translational Sciences Institute	\$6,849,951.00
Gyeong Mee Yoon College of Agriculture – Botany and Plant Pathology	National Science Foundation	A functional link between ethylene biosynthesis and autophagy	\$1,156,024.00



July 2023

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Stephen Beaudoin College of Engineering – Chemical Engineering	Advanced Technology International / U.S. Department of Defense	Modern Manufacturing of Energetics	\$2,300,000.00
Darcy Bullock College of Engineering – Civil Engineering	Indiana Department of Transportation / U.S. Department of Transportation	TPF-5(519): Expansion: Enhanced Traffic Signal Performance Measures	\$1,020,000.00
Amanda Case College of Education – Educational Studies	National Science Foundation	Fostering Black and Latinx student STEM efficacy, interests, and identity: A participatory study of STEM programming and practices at one community-based organization	\$1,969,709.00
Supriyo Datta College of Engineering – Electrical and Computer Engineering	Office of Naval Research	OptNet: Optimization with p-bit Networks	\$4,500,000.00
Kathleen Howell College of Engineering – Aeronautics and Astronautics	Air Force Office of Scientific Research	Characterizing Highways & Automated Navigation in Cislunar Environment (CHANCE)	\$4,499,998.00
Yk Hei Franki Kung College of Health and Human Sciences – Psychological Sciences	National Science Foundation	CAREER: Mechanistic Dehumanization of Asians: Identifying Causes, Consequences, and Countermeasures for a More Inclusive STEM Workforce	\$936,983.00
Christina Li College of Science – Chemistry	Public Health Service-National Institutes of Health-National Institute of General Medical Sciences	Heterogeneous Directed Hydrogenation of Arenes and Olefins with Chemo- and Stereoselectivity	\$1,865,324.00



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Shelley MacDermid Wadsworth College of Health and Human Sciences – Human Development and Family Sciences	U.S. Army Medical Research Acquisition Activity	Turning Training into Action: Translating Training of Behavioral Health Providers into Evidence-Based Practices	\$1,294,062.00
Jenna Rickus Vice Provost for Teaching and Learning – Vice President for Teaching and Learning Administration	Lilly Endowment Inc.	Purdue University Science of Reading Implementation Grant	\$1,500,000.00
Severin Thomas Schneebeli College of Pharmacy – Industrial and Physical Pharmacy	National Institutes of Health	Robust Sequence-defined Nanocages with Protein-mimetic Cavities	\$1,832,411.00



August 2023

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Sunil Bhave Centers & Institutes –Birck Nanotechnology	École polytechnique fédérale de Lausanne / Defense Advanced Research Projects Agency	An integrated optomechanical mid-IR detector based on soft- clamped ultrahigh-Q resonators	\$1,077,938.00
Daniel DeLaurentis Centers & Institutes - Centers & Institutes	Stevens Institute of Technology / Systems Engineering Research Center	WRT 1080- Research in support of the Defense Civilian Training Corps (DCTC) Program Development, Piloting, and Instrumentation	\$4,455,594.00
Songlin Fei College of Agriculture – Forestry and Natural Resources	American Forest Foundation / Natural Resources Conservation Service	Engaging Family Forests to Improve Climate-Smart Commodities (EFFICACI)	\$8,957,033.00
Daniel Flaherty College of Pharmacy – Medicinal Chemistry and Molecular Pharmacology	University of Rochester / Public Health Service-National Institutes of Health- National Institute of Allergy and Infectious Diseases	Inhibitors of adaptive efflux mediated resistance in Acinetobacter baumannii	\$1,748,870.00
Krishna Jayant College of Engineering – Biomedical Engineering	Public Health Service-National Institutes of Health-National Institute of Mental Health	Massively scalable 3D electrophysiology and two-photon imaging in freely-moving animals	\$1,304,216.00
Eugene Jones Centers & Institutes – Technical Assistance Program/Manufacturing Extension Program	Office of Local Defense Community Cooperation	Indiana Defense Industrial Base (DIB) Capability Accelerator Program (IDCAP) 2.0 - Modernization	\$1,000,000.00
Tongcang Li College of Science – Physics and Astronomy	Gordon and Betty Moore Foundation	Nuclear spin detection and control in 2D materials	\$1,250,000.00



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Linda Mason College of Agriculture – Entomology	National Science Foundation	NSF Graduate Research Fellowship Program (GRFP) - Program Year 2023-24	\$2,407,000.00
Scott Meyer College of Engineering – Mechanical Engineering	Rolls-Royce Corporation	Increased High Pressure Air Storage for Zucrow Laboratories	\$3,348,000.00
Andrew Otte College of Engineering – Biomedical Engineering	National Institutes of Health-National Institute on Drug Abuse	Long-acting biodegradable buprenorphine depots	\$1,745,583.00
Yichao Rui College of Agriculture – Agronomy	National Institute of Food and Agriculture	Empowering Indiana's Organic Farmers: Assessing Regional and Farm Scale Soil Health with a Farmer Network	\$999,297.00
Carson Slabaugh College of Engineering – Aeronautics and Astronautics	Air Force Research Laboratory	Liquified Natural Gas for Aviation Propulsion	\$3,500,000.00
Kevin Webb College of Engineering – Electrical and Computer Engineering	Air Force Office of Scientific Research	Super-Resolution Imaging and Sensing with Relative Motion in Structured Illumination and Multiply-Scattered Light	\$1,255,785.00
Amanda Dovidio Zelechoski College of Humanities, Education and Social Sciences – Psychology	Substance Abuse and Mental Health Services Administration	Northwest Indiana Identification and Management of Pediatric Experiences of Trauma and Underlying Stress (NWI IMPETUS)	\$2,999,623.00



September 2023

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Marshallrhea Evans Baker College of Veterinary Medicine – Diversity Programs	Health Resources and Services Administration	Vet Up! The National HCOP Academy for Veterinary Medicine	\$3,225,879.00
Adam Baxmeyer Administrative Operations – Airport Operations	Federal Aviation Administration	Runway 5/23 Rehabilitation and Taxiway B3 Removal	\$2,747,650.00
Chittaranjan Das College of Science – Chemistry	Public Health Service-National Institutes of Health-National Institute of General Medical Sciences	Mechanism of atypical ubiquitination and deubiquitination by bacterial effectors	\$1,769,331.00
Rong Huang College of Pharmacy – Medicinal Chemistry and Molecular Pharmacology	Army Medical Research Acquisition Activity	Targeting NNMT to inhibit obesity-associated breast cancer development and progression	\$1,054,933.00
Casey Downs Mull College of Agriculture – CES-4H	National Institute of Food and Agriculture	FY2023 Military Teen Adventure Camps	\$1,140,000.00
Natalia Maria Rodriguez College of Health and Human Sciences – Public Health	Public Health Service-National Institutes of Health-National Institute on Minority Health and Health Disparities	Addressing Cervical Cancer Disparities Among People Experiencing Homelessness	\$1,382,625.00
Tianyi Zhang College of Science – Computer Science	National Science Foundation	Proto-OKN Theme 1: Knowledge Graph Construction for Resilient, Trustworthy, and Secure Software Supply Chain	\$1,499,989.00

