## Board of Trustees Meeting

October 10, 2025



#### June

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Barrett Caldwell College of Engineering — Industrial Engineering	NASA	Indiana Space Grant Consortium 2025-2029 Cycle	\$3,410,000.00
Erin Cathleen Dunn College of Liberal Arts — Sociology	Public Health Service-National Institutes of Health-National Institute of Mental Health	Childhood Adversity, DNA Methylation and Risk for Depression: A Longitudinal Study of Protective Factors and Sensitive Periods in Development	\$2,235,071.00
Emily Dykhuizen Centers & Institutes — Drug Discovery Administration	Public Health Service-National Institutes of Health-National Institute of General Medical Sciences	Purdue Drug Discovery Training Program	\$1,553,805.00
John Haddock College of Engineering — Civil and Construction Engineering	Indiana Department of Transportation	Local Technical Assistance Program 2025-2026 (LTAP)	\$1,810,465.00
Elizabeth Parkinson College of Science — Chemistry	Public Health Service-National Institutes of Health-National Institute of General Medical Sciences	Mining Cryptic Biosynthetic Gene Clusters for Novel Bioactive Compounds and Biocatalysts	\$2,211,006.00
Elizabeth Topp Centers & Institutes — Young Institute (AMP)	Multi-Sponsored Industrials	Young Institute Pharmaceutical Manufacturing Consortium	\$3,000,000.00



July

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Soowon Chang Polytechnic Institute — Construction Management Technology	Indiana Department of Transportation / U.S. Department of Transportation	Best Practices for Implementing Driving Simulators in INDOT Driver Training	\$1,412,695.00
Gerhard Klimeck Centers & Institutes — Network for Computational Nanotechnology	National Science Foundation	Chip Design Hub: Open, Accessible and Scalable Infrastructure for Research and Education	\$7,000,000.00
Nima Lashkari College of Science — Physics and Astronomy	John Templeton Foundation	Emergence of Time from Chaos in Operator Algebras	\$1,528,985.00
Ranae K Stewart Centers & Institutes — Technical Assistance Program / Manufacturing Extension Partnership	National Institute of Standards & Technology	Purdue University - MEP Center for State of Indiana	\$3,303,181.00
Ganesh Subbarayan-Shastri College of Engineering — Mechanical Engineering	University of Texas At Austin / Defense Advanced Research Projects Agency	DARPA NGMM with Texas Institute of Electronics (U. Texas)	\$5,000,000.00
Dana Weinstein College of Engineering — Electrical and Computer Engineering	Defense Advanced Research Projects Agency	IMMORTAL MEMS: Integrated Mechanical MicrO Resonators with Thin film ALD	\$1,200,000.00



#### August

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Brittany Allensworth Vice Provost for Teaching and Learning — Student Success	U.S. Department of Education	Horizons Student Support Services	\$2,279,920.00
<b>Jason Cannon</b> College of Health and Human Sciences — Health Sciences	Public Health Service-National Institutes of Health-National Institute of Environmental Health Sciences	Toxicology Training in Bidirectional Translation Across Biological Scale	\$2,222,063.00
Jeffrey Dick College of Science — Chemistry	Public Health Service-National Institutes of Health-National Institute of General Medical Sciences	Nanoelectrochemical Techniques for Single Cell and Spheroid Metabolomics and Pharmacokinetics	\$2,071,137.00
Ronnell DuBose Enrollment Management and Student Affairs — ED Opportunities Program	U.S. Department of Education	TRIO Student Support Services	\$1,794,515.00
Leopold Noel Green College of Engineering — Biomedical Engineering	Defense Advanced Research Projects Agency	HR001125S0007: Microsystems Induced Catalysis (MICA): The Biological Translator	\$8,775,915.00
Bridgette Kelleher College of Health and Human Sciences — Psychological Sciences	Public Health Service-National Institutes of Health-National Institute of Child Health and Human Development	Digital Phenotyping of Early Development in Neurogenetic Conditions	\$1,000,001.00
Daisuke Kihara College of Science — Biological Sciences	Public Health Service-National Institutes of Health-National Institute of General Medical Sciences	Data-driven Biomolecular Structure Modeling for Cryo-EM Maps	\$1,977,275.00
Sogand Hasanzadeh College of Engineering — Civil and Construction Engineering	Indiana Department of Transportation / U.S. Department of Transportation	Smarter and Safer Work Zone Through Multimodal Intrusion Detection	\$1,937,095.00



#### August

Principal Investigator and Department	Sponsor	Grant Title	<b>Total Project Award Amount</b>
Jonathan Poggie College of Engineering — Aeronautics and Astronautics	Triad National Security, LLC / Los Alamos National Laboratory / U.S. Department of Energy	Hypersonic Fluid-Structure Interaction Reference Experiments	\$1,425,000.00
Sanjay Rao College of Engineering — Electrical and Computer Engineering	National Science Foundation	NeTS: Medium: Self-correcting ML-driven Resource Allocation in Networked Systems	\$1,080,000.00
Karthik Sankaranarayanan College of Agriculture — Agricultural and Biological Engineering	Public Health Service-National Institutes of Health-National Institute of General Medical Sciences	Biocatalytic Synthesis of Complex Medicinal Small Molecules Informed by Al Planning	\$2,063,160.00
Xiaohui Carol Song Information Technology — IT Research Computing	National Science Foundation	Frameworks: StreamCI: An Al-Ready Streaming Data Platform for Diverse Scientific Applications	\$3,999,999.00
Sien Chieh Tay College of Health and Human Sciences — Psychological Sciences	John Templeton Foundation	Enhancing Well-Being and Virtue with Al Conversational Agents	\$3,591,675.00
John Tesmer College of Science — Biological Sciences	Public Health Service-National Institutes of Health-National Institute of General Medical Sciences	Purdue Molecular Biophysics Training Program	\$1,918,620.00
Danzhou Yang College of Pharmacy — Medicinal Chemistry and Molecular Pharmacology	Public Health Service-National Institutes of Health-National Cancer Institute	Targeting PDGFR-b Promoter Vacancy G-quadruplex to Suppress Gene Expression	\$2,906,409.00



#### September

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Brittany Lee Allen-Petersen College of Science — Biological Sciences	Public Health Service-National Institutes of Health-National Cancer Institute	Posttranslational Regulation of Macropinocytosis in Pancreatic Cancer	\$2,289,509.00
Leifu Chang College of Science — Biological Sciences	Public Health Service-National Institutes of Health-National Institute of General Medical Sciences	Molecular Basis for CRISPR-associated Transposons and RNA-guided Transcriptional Regulation	\$2,187,005.00
Amanda Deering College of Agriculture — Food Science	Food And Drug Administration	Indiana Melon Production Agricultural Region Environmental Surveillance for Foodborne Bacterial Pathogens	\$1,279,931.00
Daniel DeLaurentis Vice President Research — Purdue Research — Central Support	Stevens Institute of Technology / U.S. Department of Defense	Defense Civilian Training Corps WRT-2511 Stevens-SERC-DOD	\$3,443,816.00
Erin Cathleen Dunn College of Liberal Arts — Sociology	Public Health Service-National Institutes of Health-National Institute of Mental Health	Childhood Adversity, DNA Methylation, and Psychopathology Symptoms: A Longitudinal Study of Sensitive Periods and Chrono- Epigenetics	\$1,551,186.00
<b>Miad Faezipour</b> Polytechnic Institute — Engineering Technology	Public Health Service-National Institutes of Health-National Institute of Mental Health-National Heart, Lung and Blood Institute	SCH: Al-Guided Intraoral Multimodal Active Sound Sensing for Advanced Pulmonary Function Characterization	\$1,197,891.00
Inez Hua College of Engineering — Civil and Construction Engineering	National Science Foundation	Collaborative Research: NRT: Next Generation Technology and Talent for Environmental Sustainability	\$1,500,000.00
Chen-Lung Hung College of Science — Physics and Astronomy	Gordon and Betty Moore Foundation	Integrating Atom Arrays with 2D Photonic Crystals for Hybrid Quantum Matter	\$1,300,000.00



#### September

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
<b>Jianxin Ma</b> College of Agriculture — Agronomy	North Central Soybean Research Program	SoyRenSeq II: Validating and Deploying New Sources of Disease Resistances into Elite Soybean Lines across the North Central Region	\$1,284,139.00
Ajay Malshe College of Engineering — Mechanical Engineering	NASA	Space-Fab for Neuromorphic Semiconductor Devices for Advanced Computing, AI/ML, and Bioelectronics	\$2,198,704.00
Scott Meyer College of Engineering — Zucrow Laboratories General Operations	Rocket Propulsion Systems LLC / U.S. Department of the Air Force	Stage Testing of the Rocket Propulsion Systems LOX/LNG Stage Vehicle at Sea Level and at Vacuum Conditions	\$1,599,997.00
Demetria Dominique Pettie Chancellor — TRIO Programs	U.S. Department of Education	PFW TRIO SSS 2025-30	\$1,361,820.00
Carson Slabaugh College of Engineering — Aeronautics and Astronautics	GE Aerospace	Rotating Detonation Ramjet Engine Development Testing	\$1,247,854.00
<b>Greg Strimel</b> Polytechnic Institute — Technology Leadership and Innovation	National Science Foundation	Noyce Microelectronics (ME) Master Teacher Fellowship Program	\$1,748,645.00
<b>Greg Strimel</b> Polytechnic Institute — Technology Leadership and Innovation	National Science Foundation	SOURCE: Scaling Our Real-World Convergence Education	\$1,992,868.00
<b>Daniel Szymanski</b> College of Agriculture — Botany and Plant Pathology	National Science Foundation	Collaborative Research: Actin-mediated Mechanical Stress Sensing and the Control of Epidermal Tissue Integrity	\$1,159,007.00



### Resolutions of Appreciation

AGE Fisher Family Foundation College of Engineering	\$10M
The White Family & Dean and Barbara White Family Foundation  Mitch Daniels School of Business	\$6M
Patrick McLaughlin and David Talley Cultural Centers	Undisclosed
Judith Schaper and Dr. Daniel Gottlieb (d. 2022) College of Science	Undisclosed
Nancy H. Handel Mitch Daniels School of Business	Undisclosed
Anonymous College of Pharmacy	Undisclosed
Anonymous Intercollegiate Athletics	Undisclosed



#### Naming

Request to name the Engineering Entrepreneurial Center initiative the Fisher Hub for Innovation, Ventures and Entrepreneurship (HIVE)

Donor: AGE Fisher Family Foundation



**College of Engineering** 



# Thank You

