

**Northern Kentucky University**  
**Grants Submitted FY 2025**  
**July 2024 - June 2025**

P.I.	Title	Funding Agency	\$ Requested	College	Department
Christine Curran	KY INBRE Mentored Career Development Awards (MCDA)	University of Louisville Research Foundation	\$ 35,000	CAS	BioSci
Christine Curran	Society of Toxicology Internship Program	Society of Toxicology	\$ 8,000	CAS	BioSci
Erin Strome	Core Utilization Voucher Award	University of Louisville Research Foundation	\$ 5,000	CAS	BioSci
Erin Strome	KY INBRE Characterization of SAM gene mutation impacts on cellular processes and genome instability.	University of Louisville Research Foundation	\$ 49,000	CAS	BioSci
Joseph Mester	Student Award 2025	Beta Beta Beta Biological Society	\$ 380	CAS	BioSci
Lauren Williamson	A role for maternal helminth treatment to alter central inflammation and to reduce lifelong offspring inflammation	National Institutes of Health	\$ 525,000	CAS	BioSci
Yingying Xie	Assessment of water quality variability in the West of Hudson watersheds influenced by forest phenological shifts under climate change	The Cary Institute of Ecosystem Studies	\$ 17,098	CAS	BioSci
Yingying Xie	Elucidating sex-specific phenological responses to temperature shifts in dioecious plants and pollinators	National Science Foundation (NSF)	\$ 66,260	CAS	BioSci
Yingying Xie	Understanding and Preserving Urban Greenspaces	The Faith Community Alliance	\$ 192	CAS	BioSci
Catherine Shelton	Course-Based Undergraduate Research: Guiding Biochemistry Discovery with AI	University of Louisville Research Foundation	\$ 84,000	CAS	Chem
Catherine Shelton	Identification of ligands responsible for paternal environmental allergen-exposure induced protection from asthma in offspring	National Institutes of Health	\$ 24,684	CAS	Chem
Michael Guy	Determining how tRNA modifications affect translation in multiple eukaryotes	University of Louisville Research Foundation	\$ 70,000	CAS	Chem
Michael Guy	Determining how tRNA modifications affect translation in multiple eukaryotes	National Institutes of Health	\$ 525,000	CAS	Chem
Patrick Hare	PLAL-synthesized composite Au-TiO2 nanoparticles as catalysts for biomass oxidation	Sigma Xi	\$ 1,905	CAS	Chem
Jean Bolte	KY First Lego League Robotics 2026	University of Kentucky Research Foundation	\$ 25,000	CAS	CINSAM
Madhura Kulkarni	INCLUDES Network Connectors: Kentucky Connects with First2 Alliance for Student Success	National Science Foundation (NSF)	\$ 695,029	CAS	CINSAM
Eric Jackson	Black Studies, Healthcare Disparities and AI	National Endowment for the Humanities	\$ 105,830	CAS	History
Eric Jackson	Unique Challenges: The Development of an African American Historical Preservation Certificate Program	National Endowment for the Humanities	\$ 48,915	CAS	History
Kelly Stone	FY26 Kentucky Center for Mathematics - Math Coaching	Kentucky Department of Education	\$ 1,806,982	CAS	KCM
Kelly Stone	XQ Grant Award for Math Badging	XQ Institute	\$ 64,000	CAS	KCM
Brooke Buckley	Building Thinking College Classrooms in Mathematics	National Science Foundation (NSF)	\$ 399,999	CAS	Math&Stat
Stephen Newman	KYOTE 2025-2026		\$ 20,000	CAS	Math&Stat

Gang Sun	Development of an Innovative Low-cost Air Quality Monitoring System for Community and Rural Health Improvement	National Institutes of Health	\$ 41,750	CAS	PGET
Gang Sun	Enhancing Hands-on Learning in Embedded Systems through Innovative Design Excellence and Rapid Product Prototyping Integration	National Science Foundation (NSF)	\$ 399,986	CAS	PGET
Mahdi Yazdanpour	AI-Driven Neuroprosthetic: Brain-Controlled Prosthetic Arm with Sensory Feedback and Hybrid Brain-Computer Interface	Kentucky Commercialization Ventures	\$ 15,000	CAS	PGET
Mahdi Yazdanpour	AI-Driven Neuroprosthetic: Brain-Controlled Prosthetic Arm with Sensory Feedback and Hybrid Brain-Computer Interface	Mid-South Reach	\$ 41,707	CAS	PGET
Mahdi Yazdanpour	AI-Driven Neuroprosthetic: Brain-Controlled Prosthetic Arm with Sensory Feedback and Hybrid Brain-Computer Interface	University of Louisville Research Foundation	\$ 140,000	CAS	PGET
Mahdi Yazdanpour	Mechatronics Research Lab	Duke Energy	\$ 7,000	CAS	PGET
Minchul Shin	Robust Design of Dynamic Control System with Compliant Earthworm Robot (REU)	University of Kentucky Research Foundation	\$ 9,919	CAS	PGET
Minchul Shin	Space Grant NIFS Scope account -- Fellowships for Non-UK Awards	University of Kentucky Research Foundation	\$ 5,193	CAS	PGET
Nathan De Lee	Milky Way Mapper	Astrophysical Research Consortium	\$ 25,108	CAS	PGET
Scott Nutter	SuperTIGER-2: Data Analysis and Interpretation, Payload Recovery, and Assessment for Future Flights	Washington University in St. Louis	\$ 13,024	CAS	PGET
Scott Nutter	The Trans-Iron Galactic Element Recorder for the International Space Station, TIGERISS	Washington University in St. Louis	\$ 54,600	CAS	PGET
Seyed Allameh	SyncRide: Research on Self-Organizing Rail-Based Communication Platforms for Smart Passenger Transport	Kentucky Commercialization Ventures	\$ 5,000	CAS	PGET
Zeel Maheshwari	RA: Empowering Rural communities through Climate Science: A Web-based Multi-objective Optimization Tool for Smart Integrated Renewable Energy Systems (SIREs)	Kentucky NSF EPSCoR	\$ 49,094	CAS	PGET
Brittany Smith	Executive function in opioid-exposed offspring and subsequent molecular signatures	National Institutes of Health	\$ 249,000	CAS	PsychSci
Brittany Smith	Microglia and oxidative phosphorylation after prenatal opioid exposure	National Institutes of Health	\$ 517,921	CAS	PsychSci
Douglas Krull	Religious Doubt and Health	University of Louisville Research Foundation	\$ 14,000	CAS	PsychSci
Mark Bardgett	KY INBRE Lead Faculty Award	University of Louisville Research Foundation	\$ 18,399	CAS	PsychSci
Mark Bardgett	KY INBRE Mentored Career Development Awards (MCDA)	University of Louisville Research Foundation	\$ 35,000	CAS	PsychSci
Brittany Smith	KY INBRE Mentored Career Development Award	University of Louisville Research Foundation	\$ 35,000	CAS	PsychSci
Justin Yates	KY INBRE Mentored Career Development Award	University of Louisville Research Foundation	\$ 49,000	CAS	PsychSci
Lisa Moore	Legal Services to the Poor and Administration of Justice (2025-2026)	Kentucky Bar Foundation	\$ 18,510	CCOL	Chase - Career Development
Ashley Siemer	District Court Scholarships 2024-2025	Clerk US District Court	\$ 40,000	CCOL	Chase - Student Affairs

Maria Llambi	KLEO Summer Institute	Kentucky Bar Foundation	\$ 25,000	CCOL	Chase - Student Affairs
Gannon Tagher	Healthcare Training Scholarship Partnership	Kentucky Council on Postsecondary Education	\$ 100,000	CHHS	Nursing
Gannon Tagher	Healthcare Training Scholarship Partnership	Kentucky Council on Postsecondary Education	\$ 20,000	CHHS	Nursing
Gannon Tagher	Healthcare Training Scholarship Partnership - NKU (BS Rad Sc)	Kentucky Council on Postsecondary Education	\$ 700,000	CHHS	Nursing
Gannon Tagher	Healthcare Training Scholarship Partnership - NKU (BS Resp Care)	Kentucky Council on Postsecondary Education	\$ 300,000	CHHS	Nursing
Gannon Tagher	Healthcare Training Scholarship Partnership - NKU (BSN)	Kentucky Council on Postsecondary Education	\$ 1,000,000	CHHS	Nursing
Jennifer Hunter	Vaccination Outreach	Northern Kentucky Health Department	\$ 1,000	CHHS	Nursing
Jennifer Hunter	Voices for Vaccination: Promoting Immunization Outreach in the Underserved Populations Across Northern Kentucky	KY Cabinet for Health & Family Services	\$ 106,654	CHHS	Nursing
Jitana Benton-Lee	Nursing and Interprofessional Research Collaborative (NIRC)	St Elizabeths Hospital (SEH)	\$ 27,710	CHHS	Nursing
Karen O'Connell	Nurse Faculty Loan Program	Health Resources and Services Administration	\$ 166,400	CHHS	Nursing
Roxanne Gall	Horseman's Wellness Center at Turfway Park Jan-Dec 2025	Kentucky Racing Health & Welfare Fund	\$ 10,300	CHHS	Nursing
Rhyanne McDade	Kinesiology Course-based Undergraduate Research Experience (KCURE)	University of Louisville Research Foundation	\$ 84,000	CHHS	SKCR
Stephen Poulin	Updated and Verified List of Counties and Cities Represented by Continuum of Care Organizations	U.S. Department of Housing and Urban Development	\$ 8,152	CHHS	SSW
JoLee Borne	CEE Intuit Teacher Training	Council for Economic Education	\$ 1,860	COB	AEF
JoLee Borne	CEE Pathfinders Programming	Pay It Forward Cincinnati	\$ 15,500	COB	AEF
JoLee Borne	CEE Teacher Development Program	National Endowment for the Humanities	\$ 118,627	COB	AEF
JoLee Borne	FLC 101 Expansion	FINRA Investor Education Foundation	\$ 99,000	COB	AEF
JoLee Borne	FLC 101: Pathways to Financial Success	Impact 100	\$ 100,000	COB	AEF
JoLee Borne	Project Title: CEE Financial Literacy Education Expansion	Hearst Foundations	\$ 153,331	COB	AEF
Abdullah Al-Bahrani	Haile Fellows Program and Speaker Series	George Mason University	\$ 36,560	COB	CEE

Jang-Chul Kim	Economic Policy Uncertainty and Stock Market Dynamics: Liquidity and Price Efficiency	National Science Foundation (NSF)	\$ 401,686	COB	CEE
Zachary Strobl	Blue North Subgrantee Award FY2026	Blue North (State Flow Through)	\$ 56,000	COB	Mngmt
Zachary Strobl	Collaborative Research: Research Infrastructure: KCV INVENT	National Science Foundation (NSF)	\$ 195,723	COB	Mngmt
Joe Cobbs	REU Site: When Competitors Become Rivals	National Science Foundation (NSF)	\$ 458,244	COB	MSBCM
Jessica Edwards	Empathic Inquiry: Enhancing Civic Education through Diverse Visual Perspectives	National Endowment for the Humanities	\$ 162,346	COE	CEE
Kimberly Yates	School District Landscape Analysis for Environmental Education in the Southeast	Kentucky Association for Environmental Education (KAEE)	\$ 815	COE	CEE
Melissa Jones	SHEP Support Grant	University of Kentucky	\$ 65,000	COE	CEE
Nycole Brundidge	SFY 25 CW Prep (CL33)	University of Kentucky	\$ 32,175	COE	CSWL
Nycole Brundidge	SFY 25 CW Prep (CL33)	University of Kentucky	\$ 32,175	COE	CSWL
Mehmet Sulu	EOC: Motivating Resilience: A Climate Preparedness Initiative for All Abilities in Kentucky	Kentucky NSF EPSCoR	\$ 10,000	COE	ITDGS
Mehmet Sulu	Teaching Individuals with Intellectual Disabilities to Distinguish Fake Accounts on Social Media: A Critical First Step toward Online Safety	Spencer Foundation	\$ 60,000	COE	ITDGS
Ankur Chattopadhyay	Online Healthcare Information (OHI) Trust Badge	National Science Foundation (NSF)	\$ 50,000	COI	SCA
Ankur Chattopadhyay	OPHIA (Online Pet Health Info Assurance)	VentureWell (E Team Grant Project)	\$ 5,000	COI	SCA
Ankur Chattopadhyay	PawCounsel: An AI Chatbot For Pet-Health Information Validation & Curator Services	Kentucky Commercialization Ventures	\$ 10,000	COI	SCA
Nicholas Caporusso	A conversational agent for providing mental health therapy to underserved populations	University of Louisville Research Foundation	\$ 41,750	COI	SCA
Nicholas Caporusso	An LLM-based therapist for providing underserved populations with mental health care	Meta Platforms, Inc.	\$ 250,051	COI	SCA
Traian Truta	Conference: NAIRR Pilot Expansion: FA2: Capacity and Community for Research-Emerging Institutions with Large Computing Programs	National Science Foundation (NSF)	\$ 300,000	COI	SCA
Yangyang Tao	Leveraging Data Science to Examine Climate Change's Impact on Bird Reproduction	VentureWell (E Team Grant Project)	\$ 5,000	COI	SCA
Yangyang Tao	Studying the Impact of Weather Changes on Bird Breeding via Decision Tree	VentureWell	\$ 35,000	COI	SCA
Chris Strobel	Spreading Agape Love Through the Media	Greater Good Science Center (GGSC)	\$ 49,698	COI	SMC
Leah Stewart	Save the Children	Council on Postsecondary Education	\$ 11,000	Financial Aid & Operations	Student Financial Assistance
Amanda Andrews	The Meaning Makers: Youth Service as Civic Expression	The Allstate Foundation	\$ 10,000	FY Exp & Prog	First Year Programs
Gayle Hilleke	AmeriCorps - Kentucky College Coaches	Americorps	\$ 1,950,026	GERO	EngageKY
Gayle Hilleke	AmeriCorps Seniors Foster Grandparent Program 2024-2027	Americorps	\$ 449,539	GERO	EngageKY

Gayle Hilleke	Communities Thriving VISTA	Americorps	\$ 135,791	GERO	EngageKY
Gayle Hilleke	EngageKY VISTA	Americorps	\$ 102,912	GERO	EngageKY
Gayle Hilleke	EngageKY VISTA	Americorps	\$ 127,207	GERO	EngageKY
Gayle Hilleke	EngageKY+	Americorps	\$ 999,537	GERO	EngageKY
Gayle Hilleke	FY 26 Kentucky Campus Compact (ATC Sites)	Kentucky Department of Education	\$ 80,000	GERO	EngageKY
Gayle Hilleke	KHEAA Kentucky College Coaches	Kentucky Higher Education Assistance Authority (KHEAA)	\$ 576,000	GERO	EngageKY
Shauna Reilly	UMI Institute	Arch Community Fund	\$ 25,000	GERO	Scripps
Christina Roybal	NKU Streaming Distribution	Horizon League - Athletic Conference	\$ 50,000	IA	IA
Carolyn Noe	BookFest 2025	Dollar General Literacy Foundation	\$ 5,000	IHI	IHI
Carolyn Noe	College Cafes	Panera Bread Foundation	\$ 50,000	IHI	IHI
Carolyn Noe	College Cafes	Charles H. Dater Foundation	\$ 10,000	IHI	IHI
Carolyn Noe	Discovery Kit - Supply Chain	American Heritage Chocolate	\$ 10,000	IHI	IHI
Carolyn Noe	Discovery Kits	Millstone Foundation	\$ 30,000	IHI	IHI
Carolyn Noe	Educate NKY: NKU Summer Camp	EducateNKY	\$ 27,720	IHI	IHI
Carolyn Noe	Journalism Discovery Kits	Peoples Bank	\$ 1,200	IHI	IHI
Carolyn Noe	Journalism Discovery Kits	Greater Cincinnati Foundation	\$ 2,500	IHI	IHI
Carolyn Noe	Kentucky Quest: History in Play " A Game-Based Summer Adventure	Kentucky Historical Society	\$ 10,000	IHI	IHI
Valerie Hardcastle	DCBS CPE Bridge Training Program	KY Cabinet for Health & Family Services	\$ 2,000,000	IHI	IHI
Valerie Hardcastle	FY26 KYOAC Grant Award: Peer Support Rural Transportation Program	Kentucky Opioid Abatement Advisory Commission	\$ 390,683	IHI	IHI
Valerie Hardcastle	Health Care Career Summer Bridge	Kentucky Council on Postsecondary Education	\$ 56,300	IHI	IHI
Cori Henderson	Students to Scholars	Sundt Foundation	\$ 25,000	Institutional Research	Planning & Institutional Research
Audra Points	NKU Multi-Hazard Mitigation Plan	Kentucky Federal Emergency Management Agency (KY FEMA)	\$ 175,000	Safety & Emergency Management	Safety & Emergency Management
Andrea Brooks	KY Graduate Profile - PLAN- Northern Kentucky University	Kentucky Council on Postsecondary Education	\$ 10,000	Steely	Steely
Colleen Deel	Commonwealth OER Services: A Collaborative Approach to Educational Equity	University of Kentucky Research Foundation	\$ 21,000	Steely	Steely

Joyce Couch	Northern Kentucky University TRIO Student Support Services	US Department of Education	\$ 2,209,368	TRIO	SSS
Joyce Couch	TRIO/Student Support Services	US Department of Education	\$ 421,515	TRIO	SSS
Eric Gentry	NKU Student Internships for Academic Year 2025-2026 (FLIP)	Murray & Agnes Seanson Foundation	\$ 38,400	UA	UA
Abdou Ndoye	NKU Faculty Leadership Academy Mentors	Kentucky Council on Postsecondary Education	\$ 4,876	UAA	UAA
Johnny Bergman	Upward Bound	US Department of Education	\$ 399,072	Upward Bound	Upward Bound

**Total Submitted 117**

**Total Requested \$ 22,070,888**