

Northern Kentucky University
Proposals Submitted FY 2023
July 2022 - June 2023

P.I.	Title	Funding Agency	\$ Requested	College	Department
Mclver, Daniel	Student-Athlete Mental Health Initiatives	Horizon League - Athletic Conference	\$50,000	ADMIN	AIO
Curran, Christine	Genetic Susceptibility to Developmental Benzo[a]pyrene Neurotoxicity	NIH	\$420,000	CAS	BioSci
Curran, Christine	KY-INBRE IDeA: Mitigating Developmental Benzo[a]pyrene Neurotoxicity through Maternal and Offspring Exercise	UofL Res Found	\$53,000	CAS	BioSci
Curran, Christine	Mitigating Developmental Neurotoxicity Through Maternal and Offspring Exercise	NIH	\$140,000	CAS	BioSci
Curran, Christine	Society of Toxicology Internships	Society of Toxicology	\$3,400	CAS	BioSci
Hopfensperger, Kristy	Propagation methods and restoration success of spring ephemerals	Greenacres Foundation	\$78,979	CAS	BioSci
Parker, Allison	Ecological and social factors impacting tick species distribution across an urban-to-rural land-use gradient in Northern Kentucky	KAS	\$4,753	CAS	BioSci
Parker, Allison	Ohio River Valley Vector Cooperative Network	OhioState (FFT CDC)	\$48,602	CAS	BioSci
Strome, Erin	Characterization of SAM gene mutation impacts on cellular process and genome instability (R15)	National Institutes of Health	\$420,000	CAS	BioSci
Strome, Erin	KY-INBRE BRIDGE: Characterization of SAM gene mutation impacts on cellular processes and genome instability	UofL Res Found	\$66,250	CAS	BioSci
Sydney Oluoch	BRC-BIO: Investigating Socio-economic and Environmental Tradeoffs of Sustainable Energy Transition in Kentucky	National Science Foundation (NSF)	\$436,329	CAS	BioSci
Williamson, Lauren	MRI Track 1: Acquisition of Flow Cytometer	NSF	\$213,431	CAS	BioSci
Xie, Yingying	BRC-BIO Indirect ecological synchrony between pond-breeding amphibians and woody plants under climate change and biological invasion	National Science Foundation (NSF)	\$449,153	CAS	BioSci
Daniels, Charlisa	RUI: Development of External Stimuli Responsive Methacrylate Porous Polymer Monolithic Materials for Use as Adaptable Stationary Phase	National Science Foundation (NSF)	\$615,229	CAS	Chem
Daniels, Charlisa	The Effect of Preparation for Bias in Programming for Women and Girls in STEM	NSF	\$438,803	CAS	Chem
Daniels, Charlisa	The Effect of Preparation for Bias in Programming for Women and Girls in STEM	NSF	\$438,803	CAS	Chem
Daniels, Charlisa	The Effect of Preparation for Bias in Programming for Women and Girls in STEM	MAA	\$6,000	CAS	Chem
Daniels, Charlisa	Understanding the Dynamics of PFAS Contaminants at the Solid-Liquid Interface of Methacrylate Morphologies for Implementation in Water Nanofiltration Membranes	KWRRI	\$4,175	CAS	Chem
Guy, Michael	ACS Student Communities Professional Meeting Grant	ACS	\$500	CAS	Chem
Guy, Michael	KY INBRE Postdoc Research Technician Award (Year 2)	University of Louisville Research Foundation	\$33,125	CAS	Chem
Shelton, Catherine	Characterization of the Isomerase and Lyase Mechanisms of MST Enzymes	NIH	\$420,000	CAS	Chem
Koch, Elizabeth	NASA Kentucky Space Grant Consortium - KY FIRST LEGO League	UofKRF	\$25,000	CAS	CINSAM
John Alberti	Albertine Cin��que Festival of French Films	Face Foundation	\$2,400	CAS	English
O'Callaghan, Tamara	Transformational Thinking for Community and Career: The STAR Program	Teagle Foundation	\$250,000	CAS	English
Sanders, Gabriel	A research repository for published science including alternative mediums to enhance student learning and university-wide, cross-discipline engagement.	VentureWell	\$5,000	CAS	KinHeal

Holden, Lisa	Predictive Analytics in Industry from Emerging Scholars	NSF	\$323,187	CAS	MathStat
Long, Andrew	(Renewal) NoYell-n-HearWell: better hearing testing, and cheaper hearing aids	University of Kentucky	\$40,625	CAS	MathStat
Long, Andrew	NoYell-n-HearWell: Better Hearing Testing, and Cheaper Hearing Aids	UnivOfKy	\$40,625	CAS	MathStat
Allameh, Seyed	Collaborative Research Smart Healthcare Monitoring and Safe Living for Underrepresented Communities using Machine learning & IoMT	NSF	\$287,635	CAS	PhyGeoET
DeLee, Nathan	KY Astronomy Research for Undergraduates Project	UofLRF (FFT NSF)	\$28,415	CAS	PhyGeoET
DeLee, Nathan	Milky Way Mapper (2023 Renewal)	Astrophysical Research Consortium	\$22,148	CAS	PhyGeoET
Mahdi Yazdanpour	KCV Impact Competition	Kentucky Science and Technology Corporation	\$10,000	CAS	PhyGeoET
Maheshwari, Zeel	KCV Impact Competition	Kentucky Science and Technology Corporation	\$15,000	CAS	PhyGeoET
Maheshwari, Zeel	REU Site: Applied Research Experience in Electrical, Electronics, and Mechatronics	NSF	\$373,275	CAS	PhyGeoET
Nutter, Scott	HELIX: The High Energy Light Isotope Experiment (Bridge Funding - Additional Funds)	University of Chicago	\$17,196	CAS	PhyGeoET
Ramkumar, Chari	Shockwave compression of Semiconductor Materials	NSF	\$175,598	CAS	PhyGeoET
Shin, Minchul	Robust Design of Dynamic Control System in Compliant Terrestrial Origami-Robots	NASA	\$9,903	CAS	PhyGeoET
Speights, Christa	Afterschool NASA Production Club	NASA	\$39,986	CAS	PhyGeoET
Sun, Gang	Revolutionizing the Hands-on Learning Experience in Embedded Systems Design and Rapid Prototyping for Intelligent Product Development	NSF	\$300,000	CAS	PhyGeoET
Yazdanpour, Mahdi	Mind-controlled Prosthetic Arm	UnivOfKy	\$20,312	CAS	PhyGeoET
Salzman, Ryan	2024 Future Leaders Internship Program	Murray&Agnes Seasongood Foundation	\$28,800	CAS	PSCJOL
Salzman, Ryan	Future Leaders Internship Program (FLIP) 2022	SeasonFn	\$28,800	CAS	PSCJOL
Bardgett, Mark	KY INBRE Equipment Funding	UofL (FFT NIH)	\$86,773	CAS	PsychSci
Bardgett, Mark	KY INBRE Postdoc Research Technician Award (Year 1)	University of Louisville Research Foundation	\$33,125	CAS	PsychSci
Bardgett, Mark	KY-INBRE Lead Faculty Award 2023	UofLRF (FFT NIH)	\$19,931	CAS	PsychSci
Brumback, Ty	KY INBRE Postdoctoral Fellow Award (Year 2)	University of Louisville Research Foundation	\$43,725	CAS	PsychSci
Smith, Brittany	Executive function in opioid-exposed offspring and subsequent molecular signatures (R00 Transition)	NIH	\$747,000	CAS	PsychSci
Yates, Justin	Contribution of BLA-mPFC pathway on risky choice and cocaine reinforcement	NIH	\$420,000	CAS	PsychSci
Wakefield, Monica	Assessing the Welfare of Wild Olive Baboons (Papio anubis) at the Uaso Ngiro Baboon Project, Laikipia, Kenya	WAI	\$29,800	CAS	SocAntPh
Wakefield, Monica	MCA: Long-term monitoring of wild baboon (Papio anubis) demography, life history, and welfare at the Uaso Ngiro Baboon Project, Laikipia, Kenya	NSF	\$246,774	CAS	SocAntPh
Wakefield, Monica	REU Site: Research opportunity in the behavior and ecology of wild olive baboons	NSF	\$239,279	CAS	SocAntPh
Elkins, Rebecca	Drug & Alcohol Education Course-based Undergraduate Research Experiences (CUREs)	UofL Res Found	\$79,400	CCHS	KCRS
Moore, Lisa	Legal Services to the Poor and Administration of Justice	Kentucky Bar Foundation	\$16,635	CCOL	CCOL
Siemer, Ashley	All Rise	KY Bar Association	\$12,000	CCOL	SA

Siemer, Ashley	District Court Scholarships 2022-2023	Clerk US Dist Court	\$20,000	CCOL	SA
Melish, Michelle	IIE American Passport Project	International education, Inc. (IIE)	\$4,125	CGEIA	Education Abroad
Tataw, David	1890 Institution Teaching, Research and Extension Capacity Building Grants (CBG) Program	KSUFFT	\$128,107	CHHS	AH
McDade, Rhyanne	Promoting Emotional Wellbeing Via Creation of Virtual Health Literacy Modules & Community Partnerships	NIH	\$29,091	CHHS	KCRS
Gall, Roxanne	Horseman Fund's Grant	KY Racing Health & Welfare Fund	\$13,300	CHHS	Nursing
Gall, Roxanne	Horseman's Wellness Center at Turfway Park 23-24	Kentucky Racing Health & Welfare Fund	\$7,381	CHHS	Nursing
Hamilton, Courtney	Nurse Anesthetist Traineeship for CHP Nurse Anesthesia Program	HRSA	TBD	CHHS	Nursing
Karen O'Connell	Nursing and Interprofessional Research Collaborative (NIRC)	St Elizabeths Hospital (SEH)	\$26,500	CHHS	Nursing
Zajac, Lynne	Fostering Coping and Resilience in Refugee Young Adults Through a Reading Circle Intervention	Association of Community Health Nursing Educators	\$3,684	CHHS	Nursing
Zajac, Lynne	Nurse Faculty Loan Program	Health Resources and Services Administration	\$138,667	CHHS	Nursing
Brundidge, Nycole	Public Child Welfare Certification Program (PCWCP) 23-24	EKU (FFT KyCHFS)	\$7,613	CHHS	SocWork
Kim, Sukhee	Bingocize CMP Project	UofK (FT CMS/OIG)	\$39,600	CHHS	SocWork
Neal, Catherine	Ethics Project	Georgetown Univ	\$2,500	COB	AccBnLaw
Schneider, David	RISE 2022-2023	BluNorth	\$70,000	COB	CIE
Dekuwmini, Mornah	Global learning through collaborations with the business community	US Department of State	\$35,000	COB	Mngmt
Strobl, Zachary	Blue North Rural Entrepreneurship Curriculum	Blue North (State Flow Through)	\$10,000	COB	Mngmt
Strobl, Zachary	Blue North Subgrantee Award	Blue North (State Flow Through)	\$70,000	COB	Mngmt
Karimi, Boshra	Sustainable Construction Course Redesign	VentureWell	\$29,898	COB	MSBCM
Saavedra Torres, Jose	Experiential Learning for Professional Sales	Fidelity Investments	\$9,668	COB	MSBCM
Hinds, Jena	Physiological Changes from Stress that Induce Anxiety in Persons from Diverse Backgrounds	NIH	\$100,000	COE	TeachEd
Jones, Melissa	SHEP Support Grant	University of Kentucky	\$64,942	COE	TeachEd
Sherry, Tammie	Kentucky Reading Project	CCLD	\$48,286	COE	TeachEd
Hinds, Jenna	Physiological Changes from Stress that Induce Anxiety in Persons from Diverse Backgrounds	NIH	\$100,000	COEd	TeachEd
Hinds, Jenna	Physiological Changes from Stress that Induce Anxiety in Persons from Diverse Backgrounds	NIH	\$100,000	COEd	TeachEd
Mann, Sarah	Northern Kentucky University KETS Education Technology FY23 (STLP)	Kentucky Department of Education	\$4,000	COI	BusInfo
Caporusso, Nicholas	A platform for disseminating research in education	Spencer Foundation	\$371,810	COI	CompSci
Caporusso, Nicholas	A software-based eye-tracking system for diagnosing cognitive conditions and brain injuries	KCV Impact	\$39,108	COI	CompSci
Caporusso, Nicholas	A webcam-based eye-tracking solution for remote assessment of concussions	KAS	\$5,000	COI	CompSci
Caporusso, Nicholas	Accessibility, sustainability, and Entrepreneurship: co-designing solutions with students with disabilities	VentureWell	\$29,952	COI	CompSci

Caporusso, Nicholas	An Academic Coaching Model Featuring Research Podcasts	Instructional Connections	\$9,078	COI	CompSci
Caporusso, Nicholas	An eye-tracking system for cognitive conditions and brain injuries	Xlerator Network	\$35,000	COI	CompSci
Caporusso, Nicholas	Cursor: Next generation eye-tracking technology	VentureWell	\$5,000	COI	CompSci
Hu, Yi	Exploring the Future of Wireless Network Security: Quantum AI's Implications for IoT, 5G and Beyond	St. Andrew the First-Called Georgian University Of the Patriarchate of Georgia	\$7,341	COI	CompSci
Khan, Rasib	CAREER: Secure Provenance for Trustworthy Edge Computing Services 2022	NSF	\$554,000	COI	CompSci
Tao, YangYang	AI Eye-track enabled video game for paralyzed patients	VentureWell	\$3,229	COI	CompSci
Tao, Yangyang	Artificial Intelligence for Games	VentureWell	\$25,377	COI	CompSci
Tao, YangYang	WeLEAD: Scaling a Secondary Data Science Pathway that Encourages Participation by Girls	OVEC (FFT NSF)	\$224,454	COI	CompSci
Padgett, Ryan	Northern Kentucky University STEM Spark- Summer Bridge Program 2023	KyCPE	\$37,763	EDM	ESS
Stewart, Leah	KHEAA Innovative Scholarship Pilot Project	KHEAA	\$664,000	EDM	SFA
Couch, Joyce	Student Support Services Yr. 3	USDofEd	\$405,303	EDM	SSS
Padgett, Ryan	NKU Equity Audit Research Project- Student Basic Needs	CPE	\$5,000	EDM	SSS
Mardis, Rusty	Green Zone Brigade Day	KYDeptVA	\$2,961	EDM	VRS
Hilleke, Gayle	Alternative Service Breaks funded by the Volunteer Generation Fund 22-23	KyCHFSFT	\$40,000	GERO	KCC
Hilleke, Gayle	AmeriCorps Host Sites 2023	MultCNCS	\$56,000	GERO	KCC
Hilleke, Gayle	Americorps- Kentucky College Coaches	AmeriCorps	\$2,184,242	GERO	KCC
Hilleke, Gayle	Communities Thriving VISTA	AmeriCorps	\$80,211	GERO	KCC
Hilleke, Gayle	EngageKY+	Americorps	\$999,537	GERO	KCC
Hilleke, Gayle	KHEAA Kentucky College Coaches (KCC/KC3) 22-23	HighEdAA	\$576,000	GERO	KCC
Hilleke, Gayle	KyCC VISTA FY24	Americorps	\$104,687	GERo	KCC
Hilleke, Gayle	Volunteer Engagement Network	AmeriCorps	\$1,127,451	GERO	KCC
Langley, Samantha	KCV-NSF GRANTED Program	KCV Impact	\$1,024,816	GERO	N/A
Neikirk, Mark	Learning by Giving Foundation Grant for Academic Year 2022-2023	LrnByGiv	\$7,000	GERO	Scripps
Neikirk, Mark	Mayerson Academy Student Philanthropy Class	Greater Cincinnati Foundation	\$2,000	GERO	Scripps
Neikirk, Mark	Mayerson Student Philanthropy Project	Artswave	\$10,000	GERO	Scripps
Neikirk, Mark	Mayerson Student Philanthropy Project (Mayerson Foundation) 22-23	MayerFnd	\$21,000	GERO	Scripps
Neikirk, Mark	Student Philanthropy Program	Manuel D. and Rhoda Mayerson Foundation	\$31,000	GERO	Scripps
Neikirk, Mark	Student Philanthropy Program (Scripps) 22-23	SCRIPPFn	\$10,000	GERO	Scripps
Neikirk, Mark	Student Philanthropy Project	Scripps Howard Foundation	\$10,000	GERO	Scripps
Hardcastle, Valerie	Community Health Workers in Rural Kentucky: A Preliminary Analysis	KyCHFS	\$189,163	HIC	IHI
Hardcastle, Valerie	Growing the NKY Collaborative for Economic Engagement	Kenton County Court	\$500,000	HIC	IHI
Hardcastle, Valerie	Healthcare Workforce Collaborative (HWC) Funding Plan: NKU	KyCPE	\$599,000	HIC	IHI
Hardcastle, Valerie	NEAR-PEER Opportunities in (Health) Research and Science Education: N.O.R.S.E. HCOP Ambassadors	Health Resources and Services Administration	\$3,250,000	HIC	IHI
Hardcastle, Valerie	Northern Kentucky Collaborative for Economic Engagement	USDeptComm	\$2,999,874	HIC	IHI
Hardcastle, Valerie	Paraprofessionals Program for Supporting Opioid Impacted Families - Year 3	HRSA	\$624,404	HIC	IHI
Hardcastle, Valerie	Quality Strategy Development (Supplement 2/2 to Section 1115 Medicaid)	KyCHFSFT	\$142,670	HIC	IHI
Hardcastle, Valerie	Section 1115 Substance Use Disorder Demonstration (Year 3)	KyCHFS	\$407,550	HIC	IHI
Hardcastle, Valerie	Supporting Rural Nursing Students in Northern Kentucky	US Dept of Labor	\$3,000,000	HIC	IHI

Hardcastle, Valerie	The Benefits of Kentucky Certified Peer Support Specialists for Medicaid Beneficiaries	KyCHFS	\$267,032	HIC	IHI
Hardcastle, Valerie	The Benefits of Kentucky Certified Peer Support Specialists for Medicaid Beneficiaries	Ky Cabinet Health & Family Services	\$71,734	HIC	IHI
Hardcastle, Valerie	The Carroll-Owen Association for Recovery (COAR): A Recovery Community for Women	HRSA	\$300,000	HIC	IHI
Hardcastle, Valerie	The Good River Engine: Building the digital economy of the water- engery nexus in the Ohio River Basin	UC (FFT NSF)	\$1,059,734	HIC	IHI
Noe, Carolyn	Future Health Leaders Pathway Programs (Cigna)	Cigna	\$125,000	HIC	IHI
Noe, Carolyn	Health Science Book Club (Save the Children)	Save the Children	\$15,000	HIC	IHI
Noe, Carolyn	Health Science Book Club 2 (ProLiteracy)	ProLiteracy	\$6,000	HIC	IHI
Noe, Carolyn	Health Science Book Club- Dollar General Summer Reading	DGLF	\$3,000	HIC	IHI
Noe, Carolyn	Heartsavers	KFC Foundation	\$10,000	HIC	IHI
Noe, Carolyn	KYOSA Summer Camp 2023	Kentucky Out of School Alliance	\$2,000	HIC	IHI
Noe, Carolyn	Mental Health Survey	Interact for Health	\$5,000	HIC	IHI
Noe, Carolyn	Prevention Field Trips	NKyASAP	\$6,100	HIC	IHI
Noe, Carolyn	RSO Led Mental Health Programs	Interact for Health	\$54,950	HIC	IHI
Noe, Carolyn	State FY23 General Funds	NKY Ag Substance Abuse	\$3,500	HIC	IHI
Noe, Carolyn	Summertime Kids - Health Careers Exploration Summer Camps	GCF	\$1,000	HIC	IHI
Noe, Carolyn	Summertime Kids - Health Science Book Club 2023	GCF	\$1,000	HIC	IHI
Noe, Carolyn	Teen Mental Health First Aid (Joe Burrow)	Joe Burrow Foundation	\$50,000	HIC	IHI
Bergman, Johnny	Upward Bound (Year 5/5)	US Department of Education	\$399,072	OUTREACH	Upward Bound
Bergman, Johnny	Upward Bound 2022-2023 (Year 4/5)	USDofEd	\$383,723	OUTREACH	UpwardB
Hensley, Meg	Childcare Access Means Parents in School Program (CCAMPIS) Year 2/4	DOEdOPE	\$214,029	SA	SSS
Mayse, Tiffany	Warrior Run 2023	1N5	\$965	SA	StHealth
Peal, Darryl	Northern Kentucky University (NKU)- Higher EDquity Symposium	KyCPE	\$13,600	SA	STUDINCL
Johnson, Amanda	KTAP Grant 22-24 (Additional Funds)	KyCHFS	\$80,013	STUDINCL	PAC
Gaffin, John	LEPP Ammunition	Kentucky Office of Homeland Security	\$6,034	University Police	University Police

Total Submitted

145

Total Requested

\$32,920,708