OFFICE OF INNOVATION AND STRATEGIC PARTNERSHIPS

UNIVERSITY OF LOUISVILLE
COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT

Grants, Collaborations and Professional Development News **April 2021**

Tips and Tricks to Securing Grants

The Office of Innovation and Strategic Partnerships has been hosting one-hour presentation to groups, offering tips and tricks to securing grants. The five overarching lessons of grant seeking included:

1. **Identifying your career outlook and expertise,**
2. **Knowing your research concepts in both technical and lay terms,**
3. **Framing a proposal showing of value with your specific contribution,**
4. **Articulating project goals and objectives, and**
5. **Searching for grant opportunities.**

One lesson addressed the difference between goals and SMART objectives.

GOALS are the broad, abstract, and general vision. They are generally ***long-term*** (more than a year) and ***identify a direction*** (e.g., improve, increase, reduce) and ***has a focus*** (e.g., diversity, hospital admissions, exercise) for an ***identified target population*** (geographic region, demographic target). Typically, a proposal will have one to two goals.

For example: A goal for The Office of Innovation and Strategic Partnerships (OISP) is to increase the grant-proposal development knowledge of CEHD faculty.

SMART OBJECTIVES are more tightly defined than goals. ***Objectives are Specific, Measurable, Achievable, Relevant, and Time-bound***. Typically, proposals will include two to three objectives for each goal. Objectives can be short term (less than one year), mid-term (one to two years), or long term (longer to two years – depending on your grant length).

For example: an objective related to the above stated goal is that OISP will improve faculty's knowledge about grant proposal development by creating five 5-minute videos that will be made available on the OISP website by 02/28/2022.

For more information about *the Tips and Tricks to Securing Grants* presentation, email Cecilia.peredo@louisville.edu. Also, OISP will be developing a series of 5-minute grant proposal tips. We'll be visiting departments to generate ideas about what the key questions or topics that we should cover. In the meantime, feel free to contact Cecilia with ideas on how to better support you on securing grants/contracts for your research, program activities, or community engagement.

Photo by Markus Winkler on Unsplash

GRANT OPPORTUNITIES

For assistance, contact Cecilia Peredo at 502-852-2630 or Cecilia.peredo@louisville.edu

Open Grant Opportunities

Mental Health for Minorities & COVID-19 Recovery

National Institutes of Health/DHHS

Notice of Special Interest (NOSI): COVID-19 Related School Disruptions Impact on Mental Health, Cognitive, Social, and Emotional Development of Children

Brief Synopsis from Sponsor: NIMH is issuing this Notice of Special Interest (NOSI) to highlight interest in research to understand the mental health impact of the Coronavirus Disease 2019 (COVID-19) pandemic on school-aged children, specifically ages 3 - 12. Particularly, we are interested in the potential impact of primary instruction settings disruptions (e.g., pre-school, elementary school) on the mental health, cognitive, social, and emotional development of children. Empirical data would aid in balancing health risks for various public health mitigation strategies affecting children in the current pandemic as well as inform how to both be prepared and respond to future public health emergencies, including
pandemics and disaster scenarios.
Sponsor Deadline (ALL): 05-Feb-2022, 07-May-2022, 07-Sep-2022, 05-Jun-2021, 07-Jan-2022, 05-Oct-2021, 07-Sep-2021, 05-Jun-2022
Link: HERE

Notice of Special Interest (NOSI) in Research on Risk and Prevention of Black Youth Suicide

Brief Synopsis from Sponsor: The purpose of this Notice of Special Interest (NOSI) is to

Upcoming Events

April 30, 2021:

SPIN & Snack 20-minute webinar with Cecilia Peredo

Get a quick introduction to world's largest database of funding opportunities (SPIN), while eating your favorite snack (to enhance your learning 😉)

encourage research focused on Black child and adolescent suicide. Recent data suggest that Black youth, especially those under age 13, appear to be at higher than average risk for suicide and suicide-related behaviors
Sponsor Deadline: First Available Date: August 25, 2020, Expiration Date: July 21, 2022
Link: https://grants.nih.gov/grants/guide/notice-files/NOT-MH-20-055.html

American Psychological Foundation

Violet and Cyril Franks Scholarship
Brief Synopsis from Sponsor: Through the program, a scholarship of $1,000 will be awarded to a scholarly graduate-level project that uses a psychological perspective to help understand and reduce stigma associated with mental illness. The project must address research which shows that stigma is a significant barrier to treatment and recovery for many of the fifty million Americans living with mental illness.
Sponsor Deadline: May 15, 2021
Link: HERE

Education Research

National Institute of Corrections/Department of Justice 21AC09

The Learning Professional: Curriculum Conversion, and Development of a Training for Trainers (T4T)

Brief Synopsis from Sponsor: The Institute of Corrections (NIC) is seeking applications for funding under this cooperative agreement that will result in the conversion of curriculum from Instructor Led Training (ILT) or face-to-face to Virtual Instructor Led Training (VILT) or virtual training and the development of a virtual train the trainer curriculum for NIC's Academy Division. This course is used to build competency and capacity in the field of corrections in learning and performance.
Sponsor Deadline: May 31, 2021
Link: HERE

McCarthey Dressman Education Foundation

Brief Synopsis from Sponsor: The McCarthey Dressman Education Foundation offers Academic Enrichment Grants designed to develop in-class and extra-curricular programs that improve student learning. The Foundation considers proposals that foster understanding, deepen students' knowledge, and provide opportunities to expand awareness of the world around them. The Foundation awards grants to individuals in amounts up to $10,000 per year for a maximum of $30,000 over three years, provided the eligibility requirements continue to be met
Sponsor Deadline: April 15, 2021
Award Ceiling: $30,000
Link: HERE

Caplan Foundation for Early Childhood

Early Childhood Grants
Brief Synopsis from Sponsor: The Caplan Foundation for Early Childhood is intended to be an incubator of promising research and development projects that may ultimately enhance the development, health, safety, education or quality of life of children from infancy through seven years of age across the country. Funding is provided across the priorities of Early Childhood Welfare, Early Childhood Education and Play, and Parenting Education. This program will require a partnership with a university or nonprofit research partner.
Sponsor Deadline: May 31, 2021
Link: HERE

Office of Postsecondary Education/Department of Education

Fund for the Improvement of Postsecondary Education--Supplemental Assistance to Institutions of Higher Education (SAIHE)
Brief Synopsis from Sponsor: The SAIHE program supports IHEs that the Secretary determines, after allocating funds under section 314(a) of the CRRSAA, have unmet needs related to coronavirus.
Sponsor Deadline: April 28, 2021
Link: HERE

National Science Foundation

AERA-NSF Grants Program
Brief Synopsis from Sponsor: The AERA-NSF Grants Program emphasizes the advanced statistical analysis of data sets from the U.S. Department of Education's National Center for Education Statistics, NSF, and other federal agencies. The program also supports studies using large-scale international data systems (e.g., PISA, PIRLS, or TIMMS) that benefit from U.S. federal government support. In addition, statewide longitudinal administrative data systems enhanced through federal grants are also eligible for consideration. Proposals are encouraged from a variety of disciplines, such as, but not limited to, education, sociology, economics, psychology, demography, statistics, and psychometrics.
Sponsor Deadline: May 12, 2021
Link: HERE

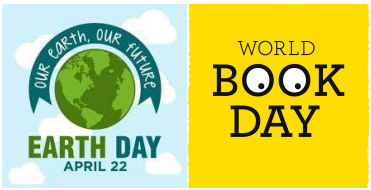
Social Research

SAGE's Concept Grant Program

Brief Synopsis from Sponsor: SAGE's Concept Grant program provides funding of up to $20,000 for innovative software solutions that support research in the social sciences. We are seeking proposals for new technological solutions that support the adoption, development and application of established and emerging research methods, including quantitative, qualitative, mixed, and computational methods.
Sponsor Deadline: May 23, 2021
Link: HERE

More about SPIN

Link to sign up: https://forms.gle/XvyF6qZZm5Z1nPhn9



Earth Day (April 22) – limit the use of electricity, water, and waste throughout the day
World Book Day (April 23) - The day aims to changes lives through a love of books and shared reading

Grants & Contracts Highlight

Congratulations to Dr. Adam Cocco and Gin Presley for their first major grant submission!

Adam and Gin will tell you: they don't have experience with grants, yet in a short period of time, they gathered a great team together to craft an impressive proposal to the Bureau of Educational and Cultural Affairs. This proposal responded to the International Sports Programming Initiative and requests nearly $2 million.

If awarded, their project will manage four two-way sports exchange opportunities for students and coaches in Peru, Poland, Germany, and Malta, as well as manage seven two-way exchange subawards.

We highlight this team for their effort and exceptional innovation. Adam and Gin, we're wishing you outstanding grant panel reviews.

Dr. Cocco is an Assistant Professor and Ms. Presley is an Instructor in the Department of Health & Sport Sciences.

Congratulations to Mary Brydon Miller for receiving a Fulbright Foreign Scholarship!

Her project, "Youth Design Furturescapes to Address Climate Change Crisis: Sydney Australia" will engage youth in a collaborative project-based learning and design studio experiences to develop innovative responses to addressing the climate change crisis.

Dr. Brydon Miller is a professor in the Department of Education Leadership, Evaluation and Organizational Development. She is a participatory action researcher who conducts work in both school and community settings. Her current research focuses on research ethics in educational and community settings and on the transformation of institutions of higher education through action research, as well as climate change education.

Congratulations to Jacob Gross for receiving a Grant Award of $130,494 from the ECMC Foundation!

Special Topics (Climate Change, Military&Health, Pfizer, Women in Sports, Exercise Science)

Department of State

Integrating Democracy, Human Rights, and Good Governance in Efforts to Address Climate Change and Protect the Environment in the East Asia and Pacific Region

Brief Synopsis from Sponsor: The U.S. Department of State, Bureau of Democracy, Human Rights and Labor (DRL) announces an open competition for organizations interested in submitting applications for regional projects in the East Asia and Pacific region to strengthen transparent and accountable governance that respects human rights and addresses inequality as an integral part of addressing climate change and protecting the environment for all. Funding ranges from $750,000 to $1,500,000.
Sponsor Deadline: June 4, 2021
Link: HERE

Department of the Army W81XWH-21-SCIRP-IIRA

Spinal Cord Injury Research Program--Investigator-Initiated Research Award

Brief Synopsis from Sponsor: The SCIRP IIRA is intended to support studies that have the potential to make an important contribution to SCI research, patient care, and/or quality of life. Important aspects of the award include: impact, relevance to military health, and preliminary data.
IIRA applications may focus on any phase of research from basic through translational, though studies focused exclusively on target identification are discouraged. Permitted research includes preclinical studies in animal models (except where otherwise specified), research with human subjects, or human anatomical substances, as well as ancillary studies associated with an existing clinical trial.
Sponsor Deadline: September 3, 2021; LOI – May 24, 2021
Link: HERE

Pfizer

COVID-19 General Research
Brief Synopsis from Sponsor: The Pfizer Foundation is currently interested in applications in the following areas of research: 1) studies evaluating COVID-19 burden of disease and sero-epidemiological surveys among specific populations; 2) epidemiology studies evaluating direct and indirect impact, including modeling approaches, of Pfizer's vaccine particularly in specific populations; and 3) studies measuring the impact of efforts to overcome vaccine hesitancy and enhance vaccine uptake.
Sponsor Deadline: Rolling (see link)
Link: HERE

Women's Sports Foundation & Athleta

Move together
Brief Synopsis from Sponsor: Applicants must demonstrate that their program offers existing programming elements or has the ability to develop new programming or enhancements that promote multigenerational connection between girls and women; delivers and provides access to sport, fitness, or movement-based programming as a primary focus and predominately serves girls and/or women; displays innovation in its efforts to engage girls and women, creating an environment that inspires; takes a holistic approach to programming that considers the physical, mental, social and/or emotional needs of the girls and women who participate; and has the ability to sustain long-term programming after the life of the funding has expired.
Sponsor Deadline: May 28, 2021
Link: HERE

National Institute of Health

Notice of Special Interest (NOSI): Developing and Testing Multilevel Physical Activity Interventions to Improve Health and Well-Being
Brief Synopsis from Sponsor: The Office of Disease Prevention and participating ICOs are issuing this Notice to highlight our interest in encouraging highly innovative and promising translational research to improve our understanding of how to increase and maintain health-enhancing physical activity using multi-level interventions in a wide range of population groups across the lifespan (e.g., including racial and ethnic minorities, children, older adults, persons with medical/behavioral health conditions, and persons with disabilities). This includes efficacy, effectiveness and dissemination and implementation studies. It also includes support for pilot, exploratory, or developmental work in preparation for full-scale, fully powered efficacy studies, preliminary feasibility studies, as well as expanded feasibility work for a discrete, specified, circumscribed project that is based on well-established theory, existing data and evidence-based interventions.
Sponsor Deadline (2021-2022): 05-Jun-2021, 16-Jun-2021, 07-Sep-2021, 05-Oct-2021, 16-Oct-2021, 07-Jan-2022, 05-Feb-2022, 16-Feb-2022, 07-May-2022, 05-Jun-2022, 16-Jun-2022, 07-Sep-2022, 05-Oct-2022, 16-Oct-2022
Link: HERE

STEM Education

National Science Foundation

Advancing Innovation and Impact in Undergraduate STEM Education at Two-year Institutions of Higher Education

Fostering Attainment Through Educational Supports (FATES) will create an infrastructure to facilitate sharing of information and collaboration among educators about how to support youth formerly in foster care (YFFC) in attaining a degree at two- and four-year institutions.

Dr. Gross is the Director of the Center for Economic Education and Associate Professor in the Department of Educational Leadership, Evaluation and Organizational Development. His research interests include youth formerly in foster care, finances & financial aid in postsecondary education, and postsecondary access and success.

Other Awards for CEHD Faculty in 2021

Jeffrey Valentine	ECPY	Development Services Group/ED	Project Arise	$33,694.07
Jenny Bay Williams	EMSTEd	Northern Kentucky University	The Kentucky Center for Mathematics	$13,281
Patrick Possel	ECPY	Jewish Heritage Fund for Excellence	Cardinal Succuss Program 2.0	$140,350
Jeffrey Sun	LEAD	KY Dept of ED	FY 21 Engineering Tech Education Consultant	$42,793

Congratulations to all!

News in Education Research

Should You Care About AI in Education?

Artificial Intelligence (AI) was once seen as a science fiction movie thriller. Today, it is no longer a far off horizon of the future.

Some researchers are urging educators "to begin planning now for 'how they can develop and use AI in education in ways that are equitable, ethical, and effective and to mitigate weaknesses, risks, and potential harms'" (Roschelle, Lester, & Fusco, 2020). AI includes machine learning and related computational techniques that have the potential to powerfully affect the future of learning (CIRCLS AI Report Nov 2020).

Extending evidence-based practices of effective teaching and learning, educators can use AI to get smarter about using the resources we already have, and possibly "equitably enable everyone to have good teachers" (Roschelle, Lester, & Fusco, 2020).

Researchers have suggested that AI may inform educators about:

- Tools and techniques that can address learning technologies
- Ways to prevent racial inequities in eLearning
- Virtual learning assistants that can help teachers to grade

Brief Synopsis from Sponsor: NSF's Education and Human Resources Directorate seeks to significantly enhance its support for research, development, implementation, and assessment to improve STEM education at the Nation's two-year colleges. NSF encourages bold, potentially transformative projects that address immediate challenges facing STEM education at two-year colleges and/or anticipate new structures and functions of the STEM learning and teaching enterprise. This program description is a targeted approach for advancing innovative and evidence-based practices in undergraduate STEM education at two-year colleges. It also seeks to support systemic approaches to advance inclusive and equitable STEM education practices.
Sponsor Deadline: May 10, 2021
Link: HERE

Mathematical Sciences Infrastructure program

Brief Synopsis from Sponsor: The primary aim of the Mathematical Sciences Infrastructure Program is to foster the continuing health of the mathematical sciences research community as a whole. In addition, the program complements the Workforce Program in the Mathematical Sciences in its goal to increase the number of well-prepared U.S. based individuals who successfully pursue careers in the mathematical sciences and in other professions in which expertise in the mathematical sciences plays an increasingly important role.
Sponsor Deadline: May 11, 2021
Link: HERE

Louis Stokes Alliance for Minority Participation
Brief Synopsis from Sponsor: The LSAMP program provides funding to alliances that implement comprehensive, evidence-based, innovative, and sustained strategies that ultimately result in the graduation of well-prepared, highly-qualified students from underrepresented minority groups who pursue graduate studies or careers in STEM.
Sponsor Deadline: June 1, 2021
Link: HERE

Office of Naval Research

Office of Naval Research (ONR) Navy and Marine Corps Science, Technology, Engineering & Mathematics (STEM), Education and Workforce Program
Brief Synopsis from Sponsor: The Office of Naval Research (ONR) is interested in receiving a broad range of proposals for augmenting existing and/or developing innovative solutions that directly maintain, and/or cultivate a diverse, world-class Science, Technology, Engineering, and Mathematics (STEM) workforce to maintain the U.S. Navy and Marine Corps' technological superiority. The goal of proposed efforts must provide solutions that establish, build, and/or maintain STEM educational pathways of U.S. citizens directly relevant to the needs of Department of Navy's (DON) current and future workforce.
Sponsor Deadline: May 28, 2021(LOI/ Pre-App), October 8, 2021
Link: HERE

homework and provide real-time feedback to students
- Assisting teachers in organizing classroom activities
- Two-way text messaging that allow teachers to check in on families who are struggling with their children's eLearning
- Rigorous performance assessments
- Virtual reality programs, voice-or gesture-based systems, or robots that help kids with social skills.

AI use in education is not without its criticism despite the enormous opportunities it may afford for teaching and learning. There are ethical implications and risks that come with the development of AI applications such as replacing teaching with profitable automated AI solutions; potential biases by race, gender, socio-economic status, or language; abuses arising from the data usage; and technical errors leading to poor outputs (Crew, 2020). The enormous amount of confidential data required to build AI systems also raise serious concerns about privacy and data protection.

Look out next month for opportunities for CEHD faculty to collaborate with other UofL faculty to incorporate AI in education research.

Citations

Crew, B. (2020). Artificial-intelligence research escalates amid calls for caution. Nature,588. S101.

Roschelle, J., Lester, J., Fusco, J. (November 2020) AI and the Future of Learning: Expert Panel Report. *Center for Integrative Research in Computing and Learning Sciences.* Retrieved from: LINK

Salman, J. (April 8, 2021) Researchers say AI will 'greatly impact' the future of education. *Future of Learning.* Retrieved from: LINK

Zawacki-Richter, O., Marín, V.I., Bond, M. et al. (October, 2019) Systematic review of research on artificial intelligence applications in higher education – where are the educators? *International Journal of Educational Technology in Higher Education.* Retrieved from: LINK

Photo by Andy Kelly on Unsplash