



UNIVERSITY OF GHANA

OFFICE OF RESEARCH, INNOVATION AND DEVELOPMENT (ORID)

P. O. Box LG 571, Legon, Accra-Ghana

FUNDING OPPORTUNITIES NEWSLETTER



11TH Edition, APRIL 2021

Addressing Disparities, Assessment of Options, Communication and Dissemination Research, and Improving Healthcare Systems

Patient-Centered Outcomes Research Institute, US

Closing date: June 01, 2021

This opportunity supports research that addresses the needs of patients, caregivers, clinicians and other healthcare stakeholders in making personalized clinical decisions across a wide range of conditions, populations and treatments. Research must align with the following priority areas:

- addressing disparities
- assessment of prevention, diagnosis and treatment options
- improving healthcare systems
- communication and dissemination of research.

Grants for communications and dissemination research are worth up to USD 2 million each for up to three years. Grants for addressing disparities, assessment of prevention, diagnosis and treatment options or improving healthcare systems are worth up to USD 3m for up to three years for small studies and up to USD 5m for up to five years for large studies.

Grants for research related to the special areas of emphasis are worth up to USD 10m.

<https://www.pcori.org/funding-opportunities/announcement/broad-pcori-funding-announcements-cycle-2-2021>

Pragmatic Clinical Studies to Evaluate Patient-Centred Outcomes

Patient-Centered Outcomes Research Institute, US

Closing date: June 01, 2021

This opportunity supports large pragmatic clinical trials, large simple trials or large-scale comparative observational studies that compare two or more alternatives for improving patient-centered outcomes that are evaluated under real-world conditions of clinical care. Proposals should also aim to improve healthcare-system-level approaches to managing care; assess different interventions for the prevention, treatment, screening, diagnosis or management of clinical conditions; compare clinical or health system interventions to address adverse consequences and outcomes in the areas of intellectual and developmental disabilities and maternal mortality.

The total programme budget is USD 90 million. Applicants may request up to USD 10 million in direct costs for a period of up to five years.

<https://www.pcori.org/funding-opportunities/announcement/pragmatic-clinical-studies-cycle-2-2021>

Bioengineering Research Grants (R01 clinical trial required)

NIH: National Institute of Biomedical Imaging and Bioengineering, US

Closing date: 05 Jun 21

A total of five institutes and centres of the National Institutes of Health invite applications for their bioengineering research grants (R01 clinical trial required). These grants support collaborations between the life and physical sciences that apply a multidisciplinary bioengineering approach to the solution of a biomedical problem and integrate, optimise, validate, translate or otherwise accelerate the adoption of promising tools, methods and techniques for a specific research or clinical problem in basic, translational, or clinical science and practice. Applications may propose design-directed, developmental, discovery-driven, or hypothesis-driven research that is appropriate for small teams applying an integrative approach to increase the understanding of and solve problems in biological, clinical or translational science. The goal is to foster the development of an innovative technology, model, technique, design or method that has the potential for significant impact on biomedical research by infusing principles and concepts from the quantitative sciences. Projects must clearly serve the mission of one or more of the NIH institutes or centres participating in this opportunity.

US and foreign for-profit or non-profit organisations and public or private institutions may apply.

Grants are for a maximum period of five years. Application budgets are not limited but need to reflect the actual needs of the proposed project. The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications.

<https://grants.nih.gov/grants/guide/pa-files/PA-19-159.html>



Research Grants

Closing date: June 08, 2021

The Lymph & Co Foundation invites applications for its research grants. These grants support research that may

lead the way to the cure or the improved therapeutic management of lymphoma. Basic, translational or clinical research on malignant lymphoma, malignant lymphoid neoplasia and related malignant blood diseases is supported.

Grants are worth up to €1.5 million each for up to four years.

<https://www.lymph-co.com/onderzoek-en-subsidies/>

Data Science to Advance Chemical and Materials Sciences

US Department of Energy, US

Closing date: June 8, 2021 at 11:59 PM Eastern Time

The US Department of Energy, under the Office of Science, invites applications for its data science to advance chemical and materials sciences funding opportunity. This supports projects focusing on integrating novel data science, uncertainty quantification, and other artificial intelligence and machine learning approaches with domain sciences to advance the understanding of fundamental properties and processes relevant to chemical and materials systems. Projects must address at least one of the following topics:

- heterogeneous and multiscale phenomena
- collective phenomena
- reactive and far from equilibrium pathways
- rare spatio-temporal phenomena
- multimodal or multi-messenger approaches

The focus of the proposed research must be on science-based, data-driven approaches enabling solutions for fundamental basic energy sciences challenges not possible otherwise.

All types of US and foreign organisations are eligible to apply, except federally-funded research and development centre contractors and certain non-profit organisations.

The total budget is USD 21 million, to cover grants worth between USD 400,000 and USD 1.2 million each over three years.

<https://www.grants.gov/web/grants/view-opportunity.html?oppId=332227>

Japanese Award for the most Innovative Development Projects

Closing date: June 09, 2021

This recognises innovative development projects by non-profit NGOs and civil society organisations from LMICs. Applications may be submitted under the following themes:

- universal health coverage and COVID;
- community-driven climate-related disaster risk reduction in rural areas;
- quality urban infrastructure and community-driven governance.

Previous winners are not eligible to apply.

Two first prizes worth USD 20,000 each and a second prize worth USD 5,000 are available under each theme. A larger grant of up to USD 200,000 may also be provided for the winner.

<http://www.gdn.int/awards2021/MIDP>

Academic-Industrial Partnerships for Translation of Technologies for Diagnosis and Treatment (R01 - Clinical Trial Optional)

NIH: National Cancer Institute, US and other funders

Closing date: June 15, 2021

The National Cancer Institute invites applications for its academic-industrial partnerships for translation of technologies for diagnosis and treatment (R01 clinical trial optional) funding opportunity. This supports efforts to translate scientific discoveries and engineering developments into methods or tools that address problems in basic research to understand disease, or in applied research to assess risk, detect, prevent, diagnose, treat, and manage disease. The rationale is to deliver new capabilities to meet evolving requirements for technologies and methods relevant to the advance of research and delivery of care in pre-clinical, clinical and non-clinical settings, domestic or foreign, for conditions and diseases within the missions of participating institutes.

This call uses the NIH research project grant (R01) award mechanism and runs in parallel with another call of similar scientific scope, PAR-21-166, which solicits applications under the research project grant (R01) mechanism.

US and foreign for-profit and non-profit organisations and public and private organisations may apply.

The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Grants are worth up to USD 499,000 in direct cost each per year for a maximum duration of five years.

<https://grants.nih.gov/grants/guide/pa-files/PAR-21-206.html>

Post-acute Interventions for the Treatment of Anorexia nervosa (R34 clinical trial required)

NIH: National Institute of Neurological Disorders and Stroke, US

Closing date: June 15, 2021

The National Institute of Mental Health invites applications for its post-acute interventions for the treatment of anorexia nervosa (R34 clinical trial required) funding opportunity. This supports pilot projects to evaluate the effectiveness of interventions targeting sustained and enhanced treatment response following acute treatment for anorexia nervosa.

The total budget for fiscal year 2021 is USD 2 million to fund up to eight awards. Grants are worth up to USD 450,000 each for up to three years, with no more than USD 225,000 requested in any given year.

<https://grants.nih.gov/grants/guide/rfa-files/RFA-MH-20-500.html>



Mechanisms of Alcohol Tolerance (R21/R33 Clinical Trial not allowed)

NIH: National Institute on Alcohol Abuse and Alcoholism, US

Closing date: June 16, 2021

This supports the study of sensitivity and tolerance mechanisms underlying the development of alcohol use disorders. The funding opportunity intends to:

- develop hypotheses about cellular, molecular or network mechanisms that regulate sensitivity and tolerance to alcohol;
- develop quantitative models to predict the development of tolerance and the progressions to alcohol dependence.

For the R21 phase, the combined budget for direct costs during the two-year project period may not exceed USD 275,000 with no more than USD 200,000 requested in a

single year. For the R33 phase, the direct costs should not exceed USD 500,000 per year for up to three years. The total project period may not exceed five years.

<https://grants.nih.gov/grants/guide/pa-files/PA-18-659.html>

Michelson Prizes – Next Generation Grants

[Michelson Medical Research Foundation, US](#)

Closing date: June 18, 2021

These opportunities support young investigators who are applying disruptive concepts and inventive processes to advance human immunology, vaccine discovery and immunotherapy research for major global diseases. Highly innovative proposals are sought in the following areas:

human immunology and vaccine research – supporting research aimed at tackling the current roadblocks that exist in human vaccine development and expanding understanding of key immune processes that are fundamental to this field

climate change and human immunology – supporting research that expands understanding of the potential effects of climate change on immune function, with research that will directly translate into vaccine and immunotherapy development to mitigate its impact being of particular interest.

Applications are encouraged from candidates in the full spectrum of related disciplines. Applicants must be under the age of 35 and be affiliated with an eligible organisation, which may include academia, biotechnology companies, foundations, government and non-governmental organisations and research institutes. Early-career independent investigators, doctoral students, postdoctoral fellows, clinical fellows and others in training or non-tenure track positions are eligible.

Prizes are worth USD 150,000 each.

<https://www.humanvaccinesproject.org/michelsonprizes/>

[Michelson Prizes - Human Vaccines Project](#)

Peer Reviewed Alzheimer's Research Programme – Convergence Science Research Award

[US Department of Defense, US](#)

Closing date: June 22, 2021

This supports efforts to generate research resources, tools or novel avenues of investigation for researchers or

practitioners in health sciences. Types of dementia that may be part of the research are Alzheimer's dementia, Lewy body dementia, frontotemporal dementia, mixed dementia and vascular dementia. Applications must address one of the following programme challenges: foundational research, paucity of clinical studies, diagnostics and prognostics, or epidemiology. Applications must also address at least one of the following programme focus areas:

- mechanisms of pathogenesis – identification of contributing mechanisms to include circuit dysfunction;
- biomarkers – development of methods to diagnose, prognose, or characterise neurological changes or risk and resiliency factors;
- epidemiology – utilising new and existing studies and datasets to examine the relationships between risk and resiliency factors;
- novel target identification – basic, non-human research directly leading to identification of new targets for the development of existing or new investigational medicines, drugs or agents;
- bioinformatics – tools, including machine learning, to access, annotate, curate, store, and visualise large existing or novel datasets.

The total budget is worth USD 3.12 million to fund approximately five awards. Up to two level I awards, worth up to USD 225,000 each in direct costs for up to three years and up to three level II awards, worth up to USD 500,000 each in direct costs for up to three years are available.

<https://cdmrp.army.mil/pubs/press/2021/21prarppre-ann>

Implementation of PCORI-Funded Patient-Centred Outcomes Research Results

[Patient-Centered Outcomes Research Institute, US](#)

Closing date: June 22, 2021

This supports projects that aim to implement patient-centred comparative clinical effectiveness research results obtained from PCORI-funded studies. The goal is to move evidence developed with PCORI research funding towards practical use in improving health care and health outcomes.

Applicants must have previously been awarded a PCORI grant.

Grants for standard implementation projects are worth up to USD 1.5 million each in total direct costs for up to three years; for dissemination projects up to USD 300,000 each for up to three years; and for phased

implementation projects up to USD 4.5m each for up to 66 months.

<https://www.pcori.org/funding-opportunities/announcement/limited-PFA-implementation-pcor-results-cycle1-2021>

Epilepsy Research Programme – Research Partnership Award

US Department of Defense, US

Closing date: June 22, 2021

This award supports collaborative research partnerships between investigators to address research problems or questions that would be unachievable through separate efforts in epilepsy research. Projects should fall under the following focus areas:

- markers and mechanisms – identifying markers or mechanisms via preclinical models that address post-traumatic epilepsy;
- epidemiology – epidemiological characterisation of post-traumatic epilepsy following traumatic brain injury;
- longitudinal studies – studies of the evolution of post-traumatic epilepsy.

The total budget is USD 4.4 million to fund approximately two awards. There are two levels of funding: level 1 awards to support preclinical or pre-validation research is worth up to USD 1.3m for up to three years and level 2 awards to support research requiring access to a patient cohort for a prospective study is worth up to USD 3.1m for up to four years.

<https://cdmrp.army.mil/pubs/press/2021/21erpprean>

Roger De Spoelberch Prize

Roger De Spoelberch Foundation | Fondation Roger De Spoelberch, CH

Closing date: June 30, 2021

The Roger De Spoelberch Foundation invites nominations for the Roger De Spoelberch prize. This recognises a clinical and basic scientific research project within the field of neurodegenerative diseases and psychiatric disorders.

Applicants must hold a PhD and be under the age of 55 when the application is submitted. They must be nominated by a person who is duly qualified to assess the

value of the candidate's work. Previous prize winners are not eligible.

The prize is worth up to €750,000, at least two-thirds of which must be spent directly on research and development costs. Funding may be used to cover the staff, investment and operating costs.

<https://www.fondation-roger-de-spoelberch.ch/prix-roger-de-spoelberch/>

Grand Challenges for Human Flourishing

Templeton World Charity Foundation, BS

Closing date: June 30, 2021

This opportunity supports scientific research on human flourishing and aims to translate related discoveries into practical tools. Priority is given to interdisciplinary scientific research on humanity's cognitive, affective, social, and spiritual well-being.

Any qualified individual with substantial research experience who is employed full time at an academic or research institution may apply.

The budget is USD 40 million.

<https://www.templetonworldcharity.org/rfi>

Investigator Awards in Science

Wellcome, GB

Closing date: July 01, 2021

These awards enable independent researchers with a compelling research vision to tackle the most important questions in science.

Applicants must have a permanent, open-ended or long-term rolling contract, or a guarantee of one, with an eligible host organisation in the UK, Republic of Ireland or an LMIC, with the exception of India and mainland China. Researchers at any stage of their independent careers may apply. Early-stage researchers need to prove that they can innovate and drive advances in the relevant field of study and demonstrate considerable promise for the future. More established researchers should have achieved more in terms of the originality and impact of their research, and should have an international reputation as a researcher in their field. Joint applications from two researchers whose complementary expertise is essential to deliver their shared vision may also be supported.

Awards are worth up to approximately £3 million for up to seven years to cover research expenses.

<https://wellcome.org/grant-funding/schemes/investigator-awards-science>

Atrial Fibrillation and Venous Thromboembolism

Bristol-Myers Squibb/Pfizer Alliance, US

Closing date: July 1, 2021 / September 1, 2021

Pfizer and Bristol-Myers Squibb (BMS) are collaborating to provide grant support for continuing professional education in the areas of atrial fibrillation and venous thromboembolism. They are committed to supporting innovative, independent medical education for healthcare professionals. Grants via this collaboration will be funded by Pfizer, but reviewed and approved by both companies.

Applications are encouraged from candidates all around the world (excluding United States). The following may apply: medical, nursing, allied health, and/or pharmacy professional schools; healthcare institutions (both large and small); professional associations and medical societies; medical education companies; and other entities with a mission related to healthcare professional education and/or healthcare improvement.

The typical grant maximum under this RFP will be up to \$150,000 USD. However, larger proposals may be considered for funding if they include a broad geographical scope and multiple activities.

https://cdn.pfizer.com/pfizercom/2021-04/Education%20AFib%20VTE_Final.pdf?VersionId=b0s3ZwKwh5vPNJNSFo6leKTsVqe0fWj8

Project Grants

Conservation, Food and Health Foundation, US

Closing date: 01 Jul 21

The Conservation, Food and Health Foundation invites concept applications for its project grants. These grants support projects in the developing world in the fields of conservation, food and health. Funding is available to projects that:

- demonstrate strong local leadership and promote professional development in the conservation, agricultural, and health sciences;
- develop the capacity of local organisations;
- address a particular problem in the field.

NGOs are eligible to apply. Priority is given to organisations located in developing countries or to

developed country organisations whose activities are of direct and immediate benefit to developing countries. States of the former Soviet Union or former Eastern Bloc countries are not supported.

The average grant amount is USD 20,000 and they rarely exceed USD 30,000.

<http://cfhfoundation.grantsmanagement08.com/>

National Institute on Drug Abuse (NIDA) Research Education Program for Clinical Researchers and Clinicians (R25 Clinical Trial Not Allowed)

National Institute on Drug Abuse, US

Closing date: August 10, 21

The National Institute on Drug Abuse invites applications for its research education programme for clinical researchers and clinicians (R25 clinical trial optional). This call supports educational activities that complement or enhance the training of a workforce to meet the nation's biomedical, behavioural and clinical research needs. The call is intended to support research education activities that enhance the knowledge of substance use and substance use disorder research. The programme is intended for those in clinically focused careers or those training for careers as clinicians or health service providers, clinical researchers or optimally a combination of the two. This mechanism may not be used for support of non-research-related clinical training. The proposed research education programmes must include both courses for skills development and research experiences with primary emphasis on research experiences. Proposed courses should be developed in conjunction with and support research experiences to enhance skills development.

US and foreign for-profit and non-profit organisations and public and private organisations may apply.

Grants are worth up to USD 350,000 per year for up to five years.

<https://grants.nih.gov/grants/guide/pa-files/PA-19-258.html>

Infrastructure Development Training Programmes for Critical HIV Research at Low- And Middle-Income Country Institutions (G11 Clinical Trials Not Allowed)

NIH: Fogarty International Center, US

Closing date: 20 Aug 21

The Fogarty International Center and the National Institute on Drug Abuse invites applications for their infrastructure development training programmes for critical HIV research at low- and middle-income country institutions (G11 clinical trials not allowed). This opportunity aims to strengthen the scientific capacity of institutions in low- and middle-income countries to conduct HIV research on the evolving HIV epidemic in their countries. Funding encourages collaborative applications from US and LMIC institutions to support training to achieve technical, administration and financial management expertise required for one of the following research infrastructure functions considered critical to a successful high quality research environment: research administration and management;

- research integrity oversight;
- ethical review of research for the protection of human subjects;
- laboratory animal welfare oversight;
- health sciences library and information services;
- information and communications technology systems for research;
- biostatistics and data analysis;
- technology transfer and intellectual property protection;
- any other area that contributes to enhancing institutional research support services;
- harassment and discrimination policy and prevention.

Foreign institutions in a LMIC or eligible US institutions that demonstrate collaborations with an LMIC institution may apply. The PI should be an established expert in the research infrastructure function in which the application is targeted and capable of providing both administrative and professional leadership to the development and implementation of the proposed training. Application budgets are limited to USD 92,000 per year in direct costs for a maximum period of three years.

<https://grants.nih.gov/grants/guide/pa-files/PAR-19-285.html>



RESEARCH PROFESSIONAL AFRICA

Additional funding opportunities are available on research professional Africa platform which can be accessed at <https://www.researchprofessional.com/>

Faculty members of the University of Ghana can access more funding opportunities from this platform at no extra cost.

Kindly send a request to orid-paw@ug.edu.gh for sign-up on the **Research Professional Platform**.

LIMITED SUBMISSIONS

Did you know some sponsors offer grants, awards and fellowships that limit the number of applications submitted from one institution? When such limitations are stipulated in the Call guidelines, an internal review and selection process is necessary to select the best-qualified candidate or proposal to represent University of Ghana. The limited submission process is coordinated by the Office of Research, Innovation and Development (ORID).

If an institution submits more than the allowable number of applications for a Call with submission limitations, all applications from that institution will likely be rejected/disqualified. Therefore, it is imperative that proper steps are taken and that authorization is secured. Selected proposals must be submitted through ORID and must follow university and funder guidelines.

Reach out to ORID to talk more on Limited Submissions:

College	Contact Address
College of Humanities	orid-iso@ug.edu.gh
College of Education	orid-iso@ug.edu.gh
College of Health Sciences	orid-kso@ug.edu.gh
College of Basic & Applied Sciences	orid-paw@ug.edu.gh