



UNIVERSITY OF GHANA

OFFICE OF RESEARCH, INNOVATION AND DEVELOPMENT (ORID)

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FUNDING OPPORTUNITIES NEWSLETTER



MARCH 2021

Sustainable Solid Waste Management Grants

Environmental Research and Education Foundation, US

Closing date: May 1, 2021

The Environmental Research and Education Foundation invites pre-proposals for its sustainable solid waste management grants. These support research that increases sustainable solid waste management practices. This includes waste minimization; recycling; waste conversion to energy, biofuels, chemicals or other useful products; strategies to promote diversion to higher and better uses; landfilling. Institutions worldwide may apply. Applications are accepted from non-academic institutions as long as PIs are qualified to conduct the research. Submissions may include multiple institutions. PIs should typically be full-time faculty members at academic institutions, postdoctoral employees or principals or seniors at non-academic institutions.

Grants are typically in the range of USD 15,000 to USD 500,000 each, with an average amount of USD 160,000, for two years. Cost sharing is encouraged.

<https://erefdn.org/research-grants-projects/how-to-apply-for-grant/>

Bioengineering Research Grants (R01 Clinical Trial Not Allowed): AIDS-Related

NIH: National Institute of Biomedical Imaging and Bioengineering, US

Closing date: 07 May 21

A total of 10 National Institutes of Health invite applications for their bioengineering research grants (R01 clinical trial not allowed) AIDS-related funding opportunity. This supports 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.

This funding opportunity uses the NIH research project (R01) grant mechanism and runs in parallel with one of identical scientific scope, PAR-19-159, which solicits applications under the same grant mechanism.

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.

Ref: PAR-19-158 (replaces PAR-18-206).

<https://grants.nih.gov/grants/guide/pa-files/PAR-19-158.html>

Novel Rnas in Virology and Immune Regulation – Basic Science and Therapeutic Discovery (R21 Clinical Trial Not Allowed): AIDS-Related

NIH: National Institute of Allergy and Infectious Diseases, US

Closing date: 07 May 21

The National Institute of Allergy and Infectious Diseases invites applications for its novel RNAs in virology and immune regulation – basic science and therapeutic discovery (R21 clinical trial not allowed): AIDS-related funding opportunity. This supports basic science research in novel biologically active viral or host RNAs involved in virology, including HIV biology, and immune regulation.

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

The number of awards is contingent on NIH appropriations and the submission of a sufficient number of meritorious applications. Grants are worth up to USD 275,000 for two years, with no more than USD 200,000 per year.

Ref: PA-19-237.

Mechanisms of Alcohol Tolerance (R21/R33 clinical trial not allowed): AIDS-Related

Closing date: May 07, 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/PAR-18-659.html>

Innovation Grants to Nurture Initial Translational Efforts – Development and Validation of Model Systems and Pharmacodynamic Markers to Facilitate the Discovery of Neurotherapeutics (R61/R33): AIDS-Related

Closing date: May 07, 2021

This encourages development and validation of animal models and human tissue ex vivo systems that recapitulate the phenotypic and physiologic characteristics of a defined neurological disorder, or clinically feasible pharmacodynamic markers for therapeutics designed to treat neurological disease. The goal is to promote a significant improvement in the translational relevance of animal models, ex vivo systems, testing paradigms and endpoints that will be utilised to facilitate the development of neurotherapeutics.

Awards are worth up to USD 499,000 in any one year and total costs for three years cannot exceed USD 750,000.

<https://grants.nih.gov/grants/guide/pa-files/PAR-18-763.html>

2021 Growth Hormone Research

Pfizer, US

Closing date: June 01, 21 (23:59 Eastern Time (New York, GMT -5))

Pfizer Global Medical Grants (GMG) supports the global healthcare community's independent initiatives (e.g., research, quality improvement, or education) to improve

patient outcomes in areas of unmet medical need that are aligned with Pfizer's medical and/or scientific strategies. Organizations are invited to submit an application addressing the research gaps as outlined in the specific RFP.

The institution and principal investigator (PI) can be based in any country except for the United States.

Only organizations are eligible to receive grants, not individuals or medical practice groups. The applicant (PI) must have a medical or postdoctoral degree (MD, PhD, or equivalent), an advanced nursing degree (BSN with a MS/PhD), or a degree in Pharmacy, Physiotherapy, or Social Work. Applicant must be affiliated with a host institution

Grants are worth up to USD 75,000 each.

https://pfe-pfizercom-d8-prod.s3.amazonaws.com/2021-03/GMG_2021-RD-G_GrowthHormoneResearchGlobal.pdf?PVBFzLtwX1eXmBxBJueDKqHS6jMWJXks

Alzheimer's Drug Development Programme (U01 Clinical Trial Optional)

Closing date: June 05, 2021

This supports preclinical and early stage clinical development of small-molecule and biologic therapeutic agents that prevent Alzheimer's disease, slow its progression or treat its cognitive and behavioural symptoms. Funding is for therapy development activities such as medicinal chemistry, pharmacokinetics, absorption, distribution, metabolism, excretion, toxicology, efficacy in animal models, formulation development, chemical synthesis under good manufacturing practices, investigational new drug enabling studies, and initial phase I clinical testing.

Funding is worth up to USD 1 million per project per year for five years.

<https://grants.nih.gov/grants/guide/pa-files/PA-18-820.html>

Maternal Nutrition and Pre-Pregnancy Obesity – Effects On Mothers, Infants and Children (R01 clinical trial optional)

Closing date: June 05, 2021

This encourages applications to improve health outcomes for women, infants and children, by stimulating interdisciplinary research focused on maternal nutrition and pre-pregnancy obesity. Maternal health significantly impacts not only the mother but also the intrauterine

environment, and subsequently foetal development and the health of the newborn.

Application budgets are not limited but need to reflect the actual needs of the proposed project. The total project period may not exceed five years.

<https://grants.nih.gov/grants/guide/pa-files/PA-18-776.html>

Prevention research in mid-life adults (R01 clinical trial optional)

Closing date: June 05, 2021

This supports research on mid-life adults, between 50 and 64 years of age, that can inform efforts to optimise health and wellness as individuals age and prevent illness and disability in later years. The goal is to:

- identify the unique characteristics of mid-life adults that impact health and wellness and contribute to the prevention of disease and disability;
- identify characteristics, influences and indicators that are important for optimal health in mid-life adults;
- develop strategies that promote health and wellness, and prevent illness in this population..

Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is five years.

<https://grants.nih.gov/grants/guide/pa-files/PA-18-849.html>

Role of gut microbiome in regulating reproduction and its impact on fertility status in women living with and without HIV (R01 clinical trial optional)

Closing date: June 05, 2021

This supports research related to the possible role of the gut microbiome in regulating reproduction through hypothalamo-pituitary-gonadal, hypothalamo-pituitary-adrenal and hypothalamo-pituitary-thyroid axes in the brain.

The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Application budgets should not exceed USD 499,999 in direct costs per year. The maximum project period is five years.

<https://grants.nih.gov/grants/guide/pa-files/PA-18-838.html>

Development of Psychosocial Therapeutic and Preventive Interventions for Mental Disorders (R61/R33 Clinical Trial Required)

NIH: National Institute of Mental Health, US

Closing date: June 15, 2021

The National Institute of Mental Health invites applications for its development of psychosocial therapeutic and preventive interventions for mental disorders (R61/R33 clinical trial required) funding opportunity. This supports efficient pilot testing of novel psychosocial therapeutic and preventive interventions for mental disorders in adults and children, using an experimental therapeutics approach. Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply.

Applications budgets are not limited but need to reflect the actual needs of the proposed project. The maximum combined project period is five years.

<https://grants.nih.gov/grants/guide/pa-files/PA-21-135.html>

Pilot health services and economic research on the treatment of drug, alcohol and tobacco abuse (R34 clinical trial optional)

Closing date: June 16, 2021

This encourages pilot and preliminary research in preparation for larger-scale services research effectiveness trials. Relevant trials may test a wide range of approaches, including interventions, practices, and policies, designed to optimise access to, and the quality, effectiveness, affordability and utilisation of drug, tobacco, or alcohol use disorder treatments and related services, as well as services for comorbid medical and mental disorder conditions. This FOA provides resources for assessing the feasibility, acceptability, and utility of these approaches.

Grants are worth up to USD 450,000 over three years, with no more than USD 225,000 in direct costs available in any single year.

<https://grants.nih.gov/grants/guide/pa-files/PA-18-774.html>

Closing Knowledge Gaps in Osteoarthritis and Osteoarthritis Pain

Pfizer and Lilly, US

Closing date: June 18, 2021

Pfizer and Lilly are collaborating to provide grant support for continuing professional education in the areas of Osteoarthritis/ Osteoarthritis Pain. Grants via this collaboration will be funded by Pfizer but reviewed and approved by both companies. Global Medical Grants (GMG) supports the global healthcare community's independent initiatives (e.g., research, quality improvement, or education) to improve patient outcomes in areas of unmet medical need that are aligned with Pfizer's medical and/or scientific strategies. 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.

Grants are worth between USD 50,000 and USD 200,000 each.

https://pfe-pfizercom-d8-prod.s3.amazonaws.com/2021-03/GMG_2021-IM-G_OsteoarthritisVirtualLearning.pdf?tq6e2YMpju2vCzBVTIIzuL9Nk3rD6CrD

FELLOWSHIPS AND AWARDS

Innovation postdoctoral fellowships

National Research Foundation of South Africa, ZA

Closing date: 14 May 21

This call is repeated once a year.

The National Research Foundation, together with the Department of Science and Technology, invites applications for its innovation postdoctoral fellowships. These aim to leverage innovation in universities and implement science and related skills development, implement equity and career growth opportunities and enable young scientists and professionals to access research opportunities in a university environment. The fellowships also aim to attract young scientists and professionals to complement senior researchers in innovation. Fellowships are available in:

- biotechnology;
- cellular and molecular biology;
- engineering;
- computer science;

- physics;
- astronomy;
- mathematical sciences;
- nanotechnology;
- chemistry;
- Earth science;
- ecology;
- medical sciences;
- social sciences and humanities.

Applications are open to South African citizens or permanent residents as well as candidates from the African continent and other countries, who wish to undertake postdoctoral research in South Africa. Applicants must have obtained their doctorate within five years of application. Applicants currently completing their doctoral dissertation may apply, however, should complete their degree by 31 December 2020 and awards must be taken up by 30 June 2021. Individuals applying for a second NRF postdoctoral research placement will be eligible if undertaking research on a new project. Applicants applying for a third research placement are not eligible. Full-time employees of higher education institutions may only apply if they intend to take unpaid leave for the duration of the fellowship. Fellowships may not be held simultaneously with another fellowship from any other government, NRF source or NRF administered source and the fellowship may not concurrently be held with any full-time salaried employment position. Fellows may spend up to 20 per cent of their time undertaking lecturing and student supervision.

Fellowships include a stipend of ZAR 255,000 per year for up to two years as well as ZAR 50,000 per year towards research expenses. The host institution is expected to contribute ZAR 15,000 per year. Fellows may also apply for a travel grant of up to ZAR 15,000 for local travel or up to ZAR 50,000 for travel abroad.

<https://www.nrf.ac.za/content/freestanding-innovation-and-scarce-skills-fiss-postdoctoral-fellowships-2022-funding>

Africa Food Prize

Alliance for a Green Revolution in Africa, KE

Closing date: 25 May 21

The Alliance for a Green Revolution in Africa invites nominations for the Africa food prize. This recognises an individual or institution whose contributions to African agriculture are forging a new era of sustainable food security and economic opportunity for all Africans. The prize honours achievements and innovations that can be replicated across the continent to eliminate hunger and poverty and provide a new source of employment and income.

Any individual or identifiable group of individuals, as well as established institutions, associations, organisations or government bodies, may apply irrespective of nationality, profession or location. Nominations may be submitted in English or French.

The prize is worth USD 100,000. In case of two winners, the money will be divided equally.

<https://africafoodprize.org/about/>

Research Fellowships in Humanities and Social Science

Wellcome, GB

Closing date: Preliminary applications due by 5pm BST, 16 June 2021; full applications due by 5pm BST, 24 August 2021.

Wellcome invites applications for its research fellowships in humanities and social science. These enable postdoctoral researchers in health-related humanities and social sciences to carry out an extended period of independent research.

Applicants should be postdoctoral researchers based at an eligible institution in the UK, Republic of Ireland or a low- or middle-income country, with the exception of mainland China, but must not have a permanent contract or a contract that lasts longer than the fellowship. Candidates must have a sponsor from an eligible host organisation that will administer the fellowship for the full duration of the award. They must also have a supervisor or mentor to provide support and advice. In most cases, applicants should have been awarded a PhD before they apply.

Fellowships are usually worth up to £275,000 each for up to three years and provide a basic salary, research expenses and personal removal expenses.

<https://wellcome.org/grant-funding/schemes/research-fellowships-humanities-and-social-science>