



NIH funding opportunities



Faculty of Medicine and Health Sciences: Research Development and Support

1 April 2020 (#16)

[Click on blue [hyperlink](#) for further information]

The NIH funding opportunities listed below are only a **selection** of pre-screened, currently open health funding opportunities for which **South African institutions are eligible to apply**. For a comprehensive selection of NIH funding opportunities, please visit www.grants.nih.gov or www.sun.ac.za/RDSfunding (current & archive).

Confirm your intent to apply ASAP, but not later than 60 days before the submission date.

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Important Notice

[The National Library of Medicine expands access to coronavirus literature through PubMed Central](#). The National Library of Medicine (NLM), part of the National Institutes of Health, is working on multiple fronts to aid in the COVID-19 response through new initiatives with the global publishing community and artificial intelligence researchers. NLM is expanding access to scientific papers on coronavirus for researchers, care providers, and the public, and for text-mining research. NLM has already made more than 10,000 full-text scholarly articles from PMC related to the coronavirus available through the [COVID-19 Open Research Dataset \(CORD-19\)](#)

[LitCovid](#) is a curated literature hub for tracking up-to-date scientific information about the 2019 novel Coronavirus. It is the most comprehensive resource on the subject, providing a central access to relevant articles in PubMed. The articles are updated daily and are further categorized by different research topics and geographic locations for improved access.

[NOT-AI-20-034 Notice of Special Interest \(NOSI\) regarding the Availability of Emergency Competitive Revisions for Research on Severe Acute Respiratory Syndrome Coronavirus 2 \(SARS-CoV-2\) and Coronavirus Disease 2019 \(COVID-19\)](#). NIAID is issuing this Notice of Special Interest (NOSI) to highlight the need for research on Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) and Coronavirus Disease 2019 (COVID-19). NIAID is particularly interested in projects focusing on viral natural history, pathogenicity, transmission, as well as projects developing medical countermeasures and suitable animal models for pre-clinical testing of vaccines and therapeutics against SARS-CoV-2/COVID-19. **NIAID is therefore offering Competitive Revisions to active NIAID grants addressing research objectives.**

1. Formative and Pilot Intervention Research for Prevention and Treatment of HIV/AIDS (Clinical Trial Optional)

Letter of Intent: 30 days prior to the application due date

Hyperlink: [PA-20-141](#)

Type: R34

Application Due Date: [Standard AIDS dates](#) Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: This Funding Opportunity Announcement (FOA) encourages formative research, intervention development, and pilot-testing of interventions. Primary scientific areas of focus include the feasibility, tolerability, acceptability and safety of novel or adapted interventions that target HIV prevention or treatment. For the purposes of this FOA, "intervention" is defined to include behavioral, social, or structural approaches, as well as combination biomedical and behavioral, social, or structural approaches that prevent acquisition and transmission of HIV infection, or improve clinical outcomes for persons who are HIV infected, or both.

Budget: Direct costs are limited to \$450,000 over the entire project period, with no more than \$225,000 in direct costs in any single year. The total project period for an application submitted in response to this funding opportunity may not exceed three years.

2. Catalytic Tool and Technology Development in Kidney, Urologic, and Hematologic Diseases (Clinical Trial Not Allowed)

Letter of Intent: 30 days prior to the application due date

Hyperlink: [PAR-20-140](#)

Type: R21

Application Due Date: [Standard dates](#) and [Standard AIDS dates](#) .Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: The purpose of this Funding Opportunity Announcement is to promote development of innovative, enabling tools and technologies in the areas of kidney, urologic, and hematologic diseases.

Budget: NIDDK intends to fund approximately 10 awards, corresponding to a total of \$2.0 million, for Fiscal Year 2021. Future year amounts will depend on annual appropriations. The combined budget for direct costs for the two-year project period may not exceed \$275,000. No more than \$200,000 may be requested in any single year.

3. Research to Reduce Morbidity and Improve Care for Pediatric, and Adolescent and Young Adult (AYA) Cancer Survivors (Clinical Trial Optional)

Letter of Intent: 30 days prior to the application due date

Hyperlink: [RFA-CA-20-027](#)

Type: R01

Application Due Date: July 31, 2020; July 30, 2021. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: Through this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications describing research focused on improving care and health-related quality of life for childhood, and adolescent and young adult (AYA) cancer survivors. Specifically, this FOA solicits mechanistic, observational, and intervention applications that focus on six key domains: (1) disparities in survivor outcomes; (2) barriers to follow-up care (e.g. access, adherence); (3) impact of familial, socioeconomic, and other environmental factors on survivor outcomes; (4) indicators for long-term follow-up needs related to risk for late effects, recurrence, and subsequent cancers; (5) risk factors and predictors of late/long-term effects of cancer treatment; and (6) development of targeted interventions to reduce the burden of cancer for pediatric/AYA survivors.

Budget: NCI intends to commit \$50 million total across the fiscal years (FYs) 2021 and 2022 to fund up to 14 awards from both the RFA-CA-20-027 and RFA-CA-20-028 (R21). Application budgets are not limited but need to reflect the actual needs of the proposed project. The scope of the proposed project should determine the project period. The maximum project period is 5 years.

4. Genomic Predictors of Pregnancy Loss (Clinical Trial Not Allowed)

Letter of Intent: 30 days prior to the application due date

Hyperlink: [RFA-HD-21-005](#)

Type: R01

Application Due Date: July 30, 2020. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: The purpose of this Funding Opportunity Announcement (FOA) is to support studies which utilize emerging genomic technologies to identify variants which predict risk for pregnancy loss in subsequent pregnancies beyond standard karyotype approaches.

Budget: NICHD and partner components intend to commit \$3,000,000 in FY2021 to fund 2-3 awards. Application budgets are limited to a maximum of \$1,000,000 per year in direct costs but need to reflect the actual needs of the proposed projects. A maximum project period of 5 years is allowed.

5. Novel Synthetic Nucleic Acid Technology Development (Clinical Trial not allowed)

Letter of Intent: 30 days prior to the application due date

Hyperlink: [RFA-HG-20-014](#)

Type: R01

Application Due Date: June 24, 2020; February 1, 2021; October 1, 2021; June 24, 2022. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: This Funding Opportunity Announcement (FOA) solicits R01 grant applications to develop novel technologies that will enable substantive (no less than one order of magnitude) improvement in synthetic nucleic acids. The goal is to improve the quality, capabilities and efficiency of nucleic acid synthesis and synthetic constructs at reasonable and decreased costs. Large progress in this area has the potential to catalyze scientific advances relevant to the mission of NIH, NHGRI and the field of genomics.

Budget: NHGRI intends to commit \$2,000,000 in FY21, 22 and 23 to fund 2-4 awards yearly. The actual number of awards and amount are contingent on NIH appropriations, and the submission of a sufficient number of meritorious applications. An applicant may request direct costs of up to \$700,000 per year. Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. The scope of the proposed project should determine the project period. The maximum project period is 3 years

6. Novel Synthetic Nucleic Acid Technology Development (Clinical Trial not allowed)

Letter of Intent: 30 days prior to the application due date

Hyperlink: [RFA-HG-20-015](#)

Type: R21

Application Due Date: June 24, 2020; February 1, 2021; October 1, 2021; June 24, 2022. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: This Funding Opportunity Announcement (FOA) solicits R21 grant applications to develop novel technologies that will enable substantive (no less than one order of magnitude) improvement in synthetic nucleic acids. The goal is to improve the quality, capabilities and efficiency of nucleic acid synthesis and synthetic constructs at reasonable and decreased costs. Applicants may propose to develop novel complete synthesis and/or synthetic constructs systems, investigate challenges underlying key novel system components, or propose substantive improvements of at least an order of magnitude improvement to existing systems. Exploration of methods other than those currently in use is highly encouraged. High-risk/high-payoff applications are appropriate to achieve the goals of this FOA.

Budget: NHGRI intends to commit \$1,000,000 in FY21, 22 and 23 to fund 3-5 awards yearly. The actual number of awards and amount are contingent on NIH appropriations, and the submission of a sufficient number of meritorious applications. An applicant may request up to \$200,000 per year and no more than \$400,000 in direct costs for the entire project period. Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. The scope of the proposed project should determine the project period. The maximum project period is 3 years

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