



NIH funding opportunities



Faculty of Medicine and Health Sciences: Research Development and Support 12 Sep 2022 (#36)

[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.

Tygerberg Campus: cdevries@sun.ac.za • Stellenbosch Campus livelk@sun.ac.za

To prepare an application can take 4-18 months, depending on many factors:

1. Mechanism for which you will apply e.g. U54, R01, D43, K43
2. Requirement of preliminary data
3. Time to assemble the research team
4. Time available to work on the grant, taking into consideration other responsibilities
5. Time for internal review

Parent Announcements

Parent Announcements (PA) for unsolicited are broad funding opportunity announcements allowing applicants to submit investigator-initiated applications. They are open for up to 3 years and use standard due dates.

- [PA-20-185](#) NIH Research Project Grant (Parent R01 Clinical Trial Not Allowed)
- [PA-20-184](#) Research Project Grant (Parent R01 Basic Experimental Studies with Humans Required)
- [PA-20-183](#) Research Project Grant (Parent R01 Clinical Trial Required)
- [PA-20-200](#) NIH Small Research Grant Program (Parent R03 Clinical Trial Not Allowed)
- [PA-20-195](#) NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Not Allowed)
- [PA-20-194](#) NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Required)
- [PA-20-196](#) NIH Exploratory/Developmental Research Grant Program (Parent R21 Basic Experimental Studies with Humans Required)

Important Notices

[NOT-TW-22-005](#) Notice of NIH Participation in the NIH-NSF Ecology and Evolution of Infectious Diseases Program. The purpose of this Notice is to announce that the NIH is collaborating on the multi-agency funding opportunity, the Ecology and Evolution of Infectious Diseases (EEID) ([NSF-22-620](#)). It is anticipated the EEID program will issue approximately twelve awards (through all EEID partners combined) in Fiscal Year 2023 for projects to begin in the summer of 2023, subject to the availability of funds. For awards made by components of the NIH, requested budgets should not exceed \$350,000 in direct costs per year for up to five years. The NIH will consider both EEID research applications and Research Coordination Network (RCN) applications. The deadline for submission to NSF is November 16, 2022. Potential applicants are strongly encouraged to contact NIH or NSF program officials prior to submitting an application.

[NOT-OD-22-195](#) New NIH "FORMS-H" Grant Application Forms and Instructions Coming for Due Dates on or after **January 25, 2023**. This notice informs the applicant and recipient communities of changes to grant application forms and application guide instructions for due dates on or after January 25, 2023.

The following application forms include substantive form changes (i.e., new/deleted/modified fields). All other forms include only an OMB expiration date change.

- PHS 398 Research Plan Form
- PHS 398 Career Development Award Supplemental Form
- PHS 398 Research Training Program Plan
- PHS Fellowship Supplemental Form

For NIH, as part of the implementation of the 2023 NIH Data Management and Sharing Policy, a new “Other Plan(s)” attachment field has been added to the PHS 398 Research Plan Form and the PHS 398 Career Development Award Supplemental Form. Applicants must attach the required Data Management and Sharing Plan in this new field in FORMS-H applications. See [NOT-OD-21-013](#) and [NOT-OD-22-189](#) for more information. Note: Although the 2023 NIH Data Management and Sharing Policy is not applicable to fellowship and institutional training grant applications, the new attachment field was added for potential future use with other plans.

[NOT-OD-22-189](#) Implementation Details for the NIH Data Management and Sharing Policy. The purpose of this notice is to inform the extramural research community of implementation details for the [NIH Policy for Data Management and Sharing \(DMS Policy\)](#) affecting grant and cooperative agreement applications submitted for receipt dates on or after January 25, 2023. The specific changes to competing grant and cooperative agreement application instructions clarified below will be implemented with application form packages identified with a Competition ID of “FORMS-H” and incorporated into the forthcoming FORMS-H application guides. Although the DMS Policy will apply also to Research and Development (R&D) contracts, NIH intramural research projects, and other funding agreements (e.g., Other Transactions), the forms changes and other implementation details provided in this Notice apply only to NIH extramural grant and cooperative agreement activities. Details applicable to R&D contracts will be incorporated into the appropriate Requests for Proposals, and details applicable to Other Transactions will be incorporated into the appropriate Research Opportunity Announcement.

[NOT-OD-22-190](#) Adjustments to NIH and AHRQ Grant Application Due Dates Between September 22 and September 30, 2022. This notice informs the community of NIH and AHRQ application due date adjustments to accommodate scheduled federal system downtime. Grants.gov has a planned production system outage from Friday, September 23, 2022 at 12:01 AM ET to Thursday, September 29, 2022 at 11:59 PM ET (see [Grants.gov calendar](#)). Grants.gov will use this time to migrate their services to the Cloud. In response, NIH and AHRQ due dates that fall on or between September 22 and September 30, 2022 will move to October 3, 2022.

3rd cohort of the African Postdoctoral Training Initiative ([APTI](#)) fellowships. APTI Training early career scientists to respond to Africa's challenges in global health. Nairobi, Kenya | Tuesday 16 August 2022. The African Academy of Sciences ([AAS](#)), in partnership with the U.S. National Institutes of Health ([NIH](#)) and the Bill & Melinda Gates Foundation ([BMGF](#)), announces a call for applications for the 3rd cohort of the African Postdoctoral Training Initiative ([APTI](#)) fellowships. APTI Fellows are trained and supported to become scientific leaders who can advocate for increased research and innovation projects in Africa. This is done through 4-year postdoctoral fellowships where APTI Fellows are placed in various laboratories of the NIH Institutes or Centers (i.e., Intramural Research Program) for 2 years before returning to their home institutions in Africa for another 2 years of research. Ultimately, APTI fellows are expected to be a part of an African regional and global web of collaborations connecting to their home institutions.

APTI fellowships are open to applications from fields of health research, with a focus on innovation aimed at the discovery and translation of transformative solutions to global health problems that are priorities for their home institutions and countries. Additionally, proposals should align with the focus areas of [BMGF](#), the [NIH](#), and the [AAS](#).

To be eligible, applicants must:

- Be citizens of an African country, currently employed in an academic, research, or government position in an African country
- Have a relevant doctoral degree (e.g., PhD, MD, MBBS) awarded no more than 7 years before the application submission deadline. Applicants whose doctoral degrees were awarded earlier may be considered on a case-by-case basis subject to justification (e.g., where one took a career break for family-related reasons or to seek asylum due to political instability). Such applicants should submit a request (with justification) for consideration
- Have less than 5 years of relevant research experience after the award of their doctoral degree, by their start date at the NIH. Brief periods of clinical work and/or teaching, that does not include research, may be allowable, but cannot exceed 2-3 years total.
- Be fluent in English – reading, writing, speaking, and listening.

Additional information:

- All applications and their supporting documents must be submitted in English. Supporting documents issued in a language other than English should be accompanied by their English translation.
- Applications must be submitted via the [AAS Grants Management system](#) (Ishango).

Submission of applications opens on **16 August 2022** and closes on **30 September 2022**, at 17:00 East African Time (GMT +3).

[NOT-OD-22-198](#) Implementation Changes for Genomic Data Sharing Plans Included with Applications Due on or after January 25, 2023. [Changes for Genomic Data Sharing Plans](#). In an effort to reduce burden, NIH will no longer request separate sharing plans for research subject to both the [NIH Genomic Data Sharing Policy \(GDS Policy\)](#) and the [NIH Policy for Data Management and Sharing \(DMS Policy\)](#). Applicants should provide a single Data Management and Sharing Plan that addresses considerations for both policies.

Notices of Special Interest (NOSI)

[NOT-OD-22-203](#) Development and Preliminary Testing of Health-related Behavioral Interventions. To achieve more potent strategies to promote sustained health-related behavior change, there is a need for intentional and methodical translation of foundational behavioral and social science discoveries into new or improved interventions. The Office of Behavioral and Social Sciences Research (OBSSR) and participating ICOs are issuing this Notice to highlight interest in the systematic development of original health-related behavioral interventions that test hypotheses that draw on basic behavioral and social sciences research ([bBSSR](#)) findings that posit causal or processual mechanisms of action of healthier behavior change. This notice applies to due dates on or after June 5, 2019 and subsequent receipt dates through September 8, 2022.

Funding Opportunity Announcements (FOA)

1. Bioengineering Research Grants (BRG) (R01 Clinical Trial Not Allowed)

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

Hyperlink: [PAR-22-242](#)

Type: R01

Application Due Date: October 31, 2022 through to September 07, 2025. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: Purpose of this funding opportunity announcement is to encourage collaborations- between life science and physical science- that: 1) apply a multidisciplinary bioengineering approach to solve biomedical problems; and 2) develop, integrate, optimize, validate, translate or accelerate adoption of promising tools, methods and techniques: a) that fulfill an unmet need and address specific research or clinical problem in basic, translational, and/or clinical science and practice, b) capable of enhancing our understanding of health and disease, and/or c) improve practice of medicine. Applications may propose design-directed, developmental, discovery-driven, or hypothesis-driven research, and this FOA is appropriate for small teams applying an integrative approach to increase our understanding of and solve problems in biological, clinical or translational science.

Budget: 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 award period is 5 years depending on the policy of each NIH Institute. Applicants are encouraged to review the current funding policy of each NIH Institute. Applicants requesting \$500,000 or more in direct costs in any year (excluding consortium F&A) must contact a Scientific/ Research Contact at least 8 weeks before submitting the application

2. Bioengineering Research Grants (BRG) (R01 Clinical Trial Optional)

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

Hyperlink: [PAR-22-243](#)

Type: R01

Application Due Date: October 31, 2022 through to September 07, 2025. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: The purpose of this funding opportunity announcement (FOA) is to encourage collaborations between the life and physical sciences that: 1) apply a multidisciplinary bioengineering approach to the solution of a biomedical problem; and 2) integrate, optimize, 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. An application may propose design-directed, developmental, discovery-driven, or hypothesis-driven research and is appropriate for small teams applying an integrative approach to increase our understanding of and solve problems in biological, clinical, or translational science. This FOA will support clinical trials that test functionality or validate performance in the chosen setting. This FOA is not intended to support conventional clinical trials that lack translation as the primary motivation. Applications that propose phase III clinical trials in any area of research are not sought by and will not be supported through this FOA. This FOA does not propose to support commercial production

Budget: 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 award period is 5 years depending on the policy of each NIH Institute. Applicants are encouraged to review the current funding policy of each NIH Institute. Applicants requesting \$500,000 or more in direct costs in any year (excluding consortium F&A) must contact a Scientific/ Research Contact at least 8 weeks before submitting the application

3. Elucidation and Validation of the role of Transporters in the Placenta, Lactating Mammary Gland, Developing Gut, and Blood Brain Barrier (UC2 Clinical Trial Not Allowed)

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

Hyperlink: [RFA-HD-23-003](#)

Type: UC2

Application Due Date: November 30, 2022. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: This Funding Opportunity Announcement invites applications to form Transporter Elucidation Centers (TECs) as part of a Transporter Elucidation Network (TEN). TECs funded by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) will address key knowledge gaps in functional transport of nutrients and drugs to the developing fetus and infant through a focus on human placenta, lactating mammary gland, and developing gut. Such projects may necessitate deorphanization and characterization of understudied transporters and functional variants. TECs funded by the National Institute of Drug Abuse (NIDA) will address knowledge gaps in the role of transporters in the blood brain barrier that transport substances and treatment agents relevant to NIDA. TECs will work together to generate knowledge and resources that will be shared with the broader research community to advance our understanding of nutrient, drug, and dietary supplement constituent transport to the developing fetus and infant.

Budget: Application budgets are limited to \$750,000 in direct costs (excluding consortium F&A) per year and 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.

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