



# NIH funding opportunities



Faculty of Medicine and Health Sciences: Research Development and Support 20 Aug 2018 (#25)

[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](http://www.grants.nih.gov) or [www.sun.ac.za/RDSfunding](http://www.sun.ac.za/RDSfunding) (current & archive).

**Confirm your intent to apply ASAP, but not later than 30 days before the submission date.**

**Contact: RGMO Pre-Awards [cdevries@sun.ac.za](mailto:cdevries@sun.ac.za)**

## 1. Telomeres as Sentinels of Environmental Exposures, Psychosocial Stress, and Disease Susceptibility: A Methods Comparison Study (Clinical Trial Optional)

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

**Hyperlink:** [RFA-AG-19-023](#)

**Type:** *uO1*

**Application Due Date:** December 3, 2018. Apply by 5:00 PM local time of applicant organization.

**Funding Opportunity Announcement:** This U01 Cooperative Agreement Funding Opportunity Announcement (FOA) will support Methods Comparison Projects to serve three main functions: (1) to conduct a joint effort among telomere researchers to determine the relationship between different telomere length (TL) methods, inter-assay variability, and the factors that influence results; (2) to contribute to development of best practice recommendations for assay protocols for TL measurement for different types of studies, with a focus on population-based health research, including biological sample collection, storage, and processing; laboratory methods; data analysis; and reporting requirements; and (3) to repurpose existing methods or develop new methods to enhance the use of TL measurement. The U01 Methods Comparison Projects will be expected to conduct cross-validation involving other labs (3-4) supported under this cooperative agreement to develop a set of recommendations for assay protocols for telomere measurement for different types of studies and develop best practice guidelines for population-based TL research. This will be done in coordination with the U24 Telomere Research Network/Collaboratory award made in response to FOA (RFA-AG-19-022). Please refer to the NIA website regularly for updates, frequently asked questions (FAQs), and other announcements related to this FOA and the companion FOA.

**Budget:** NIA and NIEHS intend to commit a combined total of \$1.417 million across RFA-AG-19-022 and RFA-AG-19-023 to fund 3-4 U01 awards and one U24 award. Application budgets are limited to \$200,000 in direct costs per year. The scope of the proposed project should determine the project period. The maximum project period is 3 years.

## 2. Advancing Translational and Clinical Probiotic/Prebiotic and Human Microbiome Research (Clinical Trial Optional)

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

**Hyperlink:** [PA-18-902](#)

**Type:** *R01*

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

**Funding Opportunity Announcement:** The purpose of this funding opportunity announcement (FOA) is twofold: 1). to accelerate translational and clinical Phase I and II a/b safety and efficacy studies for substantiating measurable functional benefits of probiotic/prebiotic components and/or their combinations; and; 2). to understand the underlying mechanisms of their action(s), and variability in responses to these interventions. This FOA calls for interdisciplinary collaborations across scientific disciplines engaged in microbiome and pro/prebiotic research including, but not limited to: nutritional science, microbiology, virology, microecology and microbiome, genomics, immunology, computational biology, chemistry, bioengineering, as well as integration of omics and computational approaches in DNA technologies.

**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 period is 5 years.

### 3. Leveraging Electronic Medical Records for Psychiatric Genetic Research (Clinical Trial Not Allowed)

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

**Hyperlink:** [\(PAR-18-904\)](#)  
[\(PAR-18-905\)](#)

**Type:** *R01*  
*Collaborative*

**Application Due Date:** November 8, 2018 then [Standard dates](#) Apply by 5:00 PM local time of applicant organization.

**Funding Opportunity Announcement:** The purpose of this funding opportunity announcement (FOA) is to support projects that implement creative, efficient molecular epidemiologic approaches that incorporate individual genetic information, including polygenic as well as specific genetic risk variants, in existing large, population-based cohorts, registries and/or health systems to conduct analyses that advance our understanding of the complex etiology of severe mental disorders. The ultimate objective of this funding opportunity is the elucidation of the complex interplays of genetic (e.g., polygenic) risk, in addition to specific risk loci and networks, and environmental factors, in human populations, which will lead to better understanding, diagnosis, and ultimately treatment of mental disorders.

**Budget:** The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. NIMH intends to commit \$2,000,000 in FY 2019 for this FOA and the companion announcement. 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. Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) (Clinical Trial Optional)

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

**Hyperlink:** [\(PAR-18-901\)](#)

**Type:** *D43*

**Application Due Date:** November 13, 2018; November 12, 2019; November 13, 2020. Apply by 5:00 PM local time of applicant organization.

**Funding Opportunity Announcement:** This funding opportunity announcement (FOA) encourages applications for the Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) D43 program for institutional research training programs in low-and middle-income countries (LMICs, as defined by the World Bank classification system). Applications may be for collaborations between institutions in the U.S and an eligible LMIC or may involve just LMIC institutions if there is a previous track record of externally funded research and/or research training programs by the lead LMIC institution. The proposed institutional research training program is expected to sustainably strengthen the NCD research capacity of the LMIC institutions, and to train in-country experts to develop and conduct research on NCDs across the lifespan, with the long-range goal of developing and implementing evidence-based interventions relevant to their countries. The main focus of research training covered in the application must be relevant to the interests of at least one of the participating NIH ICs as stated by each in this FOA. Other NCD topics may be included as secondary and complementary focus areas. This Funding Opportunity Announcement (FOA) allows support of trainees as the lead investigator of an independent clinical trial; or a separate ancillary study to an existing trial; or to gain research experience in a clinical trial led by another investigator, as part of their research and career development.

**Budget:** Application budgets are limited to \$230,000 per year for new awards and \$250,000 per year for renewal awards (total direct costs). The maximum project period is up to 5 years

Brief definitions of some NIH grant mechanisms: [comprehensive list of extramural grant and cooperative agreement activity codes](#)

Research Development and Support Division (RDSD), Faculty of Medicine and Health Sciences, Stellenbosch University  
5<sup>th</sup> Floor, Teaching Block, Tygerberg Campus. • Enquiries: *Christa* • Tel: 9838 • Email: [cde.vries@sun.ac.za](mailto:cde.vries@sun.ac.za)