



# NIH funding opportunities



Faculty of Medicine and Health Sciences: Research Development and Support 10 Sept 2018 (#26)

[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)

## Important Notices

- [Assistive surgical devices shine in DEBUT biomedical engineering design competition](#) NIH National Institute of Biomedical Imaging and Bioengineering (NIBIB) and VentureWell award five undergraduate teams for innovative devices that improve medical procedures.
- Clarification: Fixed Amount Award Definition and Implementation for Clinical Trials ([NOT-OD-18-222](#))
- Findings of Research Misconduct ([NOT-OD-18-230](#))
- Pre-Solicitation Notice: Patient Safety Monitoring in International Laboratories (SMILE) ([NOT-AI-18-059](#))
- Request for Information (RFI): Soliciting Input for future research at the National Heart, Lung, and Blood Institute on Factor VIII (FVIII) immunogenicity and FVIII inhibitor prevention/eradication in patients with Hemophilia A ([NOT-HL-18-652](#))
- Request for Information (RFI): Current Clinical Management and Assessment Practices in Lung Transplantation ([NOT-HL-18-653](#))

### 1. New Computational Methods for Understanding the Functional Role of DNA Variants that are Associated with Mental Disorders (Collaborative -Clinical Trial Not Allowed)

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

**Hyperlink:** ([PA-18-907](#))

**Type:** R01

**Application Due Date:** [Standard dates](#) & [Standard AIDS 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 the development of advanced computational, bioinformatic and statistical tools to determine the functional relevance of genetic variants associated with mental disorders of complex etiologies identified through genome-wide association or sequencing studies. The overarching goal of this initiative is to support the development of innovative computational methods that facilitate the elucidation of the functionality of genetic variants associated with mental illness, taking into account the added complexities and nuances of brain diseases, and to ultimately inform novel treatment development based on human biology. This FOA should be used when two or more sites are needed to complete the study. For a linked set of collaborative R01s, each site must have its own Program Director/Principal Investigator and the set of linked applications provide a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.

**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 project period is 5 years.

### 2. New Computational Methods for Understanding the Functional Role of DNA Variants that are Associated with Mental Disorders (R01 Clinical Trial Not Allowed)

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

**Hyperlink:** ([PA-18-908](#))

**Type:** R01

**Application Due Date:** [Standard dates](#) & [Standard AIDS 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 the development of advanced computational, bioinformatic and statistical tools to determine the functional relevance of genetic variants associated with mental disorders of complex etiologies identified through genome-wide association or sequencing studies. The overarching goal of this initiative is to support the development of innovative computational methods that facilitate the elucidation of the functionality of genetic variants associated with mental illness, taking into account the added complexities and nuances of brain diseases, and to ultimately inform novel treatment development based on human biology

**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 project period is 5 years.

### 3. Utilizing the PLCO Biospecimens Resource to Bridge Gaps in Cancer Etiology and Early Detection Research (Clinical Trial Not Allowed)

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

**Hyperlink:** ([PAR-18-913](#))

**Type:** U01

**Application Due Date:** February 11, 2019; August 14, 2019; February 11, 2020; August 11, 2020; February 11, 2021; August 11, 2021 Apply by 5:00 PM local time of applicant organization.

**Funding Opportunity Announcement:** This Funding Opportunity Announcement (FOA) encourages the submission of applications that propose to advance research in cancer etiology and early detection biomarkers, utilizing the advantages of the unique biorepository resources of the NCI-sponsored Prostate, Lung, Colorectal, and Ovarian Cancer (PLCO) Screening Trial. The PLCO Biorepository offers high-quality, prospectively collected, serial pre-diagnostic blood samples from the PLCO screened arm participants, and a onetime collection of buccal cells from the control arm participants. Available data associated with the biospecimens includes demographic, diet, lifestyle, smoking, screening results, and clinical data. This FOA supports a wide range of cancer research including, but not limited to, biochemical and genetic analyses of cancer risk, as well as discovery and validation of early detection biomarkers. The proposed research project must involve use of PLCO biospecimens; additionally, it should also take advantage of the unique characteristics of the PLCO biospecimens. Research projects that do not involve the use of PLCO biospecimens will not be supported under this FOA.

**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.

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