



# NIH funding opportunities



Faculty of Medicine and Health Sciences: Research Development and Support 28 Aug 2017 (#31)

[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).

Please be advised that you **must contact the Research Grants Management Office (RGMO) Pre-Awards (Dr Christa de Vries [cdevries@sun.ac.za](mailto:cdevries@sun.ac.za)) to inform of your intent to apply.**

## **Timelines:**

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

**All final documents MUST reach the RGMO seven (7) workdays before NIH application due date.**

**The application will be submitted four (4) workdays before the application due date.**

### **1. NIH Blueprint for Neuroscience Research: Dynamic Neuroimmune Interactions in the Transition from Normal CNS Function to Disorders**

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

**Hyperlink:** [\(RFA-AA-18-007\)](#)

**Type:** R01

**Application Due Date:** December 7, 2017. Apply by 5:00 PM local time of applicant organization.

**Funding Opportunity Announcement:** The NIH Blueprint for Neuroscience Research is a collaborative framework through which 14 NIH Institutes, Centers and Offices jointly support neuroscience-related research, with the aim of accelerating discoveries and reducing the burden of nervous system disorders. For further information, see <http://neuroscienceblueprint.nih.gov/>. The goal of this FOA is to transform our understanding of how dynamic interactions among multiple cell types involved in neuroimmune interactions (e.g., neurons, glia cells, neurovascular units, or other neuroimmune components) mediate the transition from normal central nervous system (CNS) function to disorder conditions. Previous findings have markedly advanced our knowledge of neuroimmune interactions during normal brain function, neurodevelopment, and in the context of established diseases. However, there is a lack of understanding of how multiple neuroimmune components mediate transitions from normal brain function to the early stages of CNS disorders, how changes in immune signaling are integrated into neuronal networks, and how disease progression is orchestrated by multiple neuroimmune components. With this FOA, we encourage projects that combine diverse expertise and use innovative approaches to address these questions at the molecular, cellular, and circuitry levels. The outcomes of this research will provide an integrated view of the dynamic changes among multiple neuroimmune components and how they contribute to the onset and progression of CNS disorders.

**Budget:** The NIH Blueprint Institutes intend to commit \$4.3 million in total costs for FY 2018 to fund 7 - 9 awards. Application budgets need to reflect the actual needs of the proposed project. The budgets are limited to \$400,000 direct costs annually. The scope of the proposed project should determine the project period. The maximum project period is 5 years.

### **2. Partnerships for Countermeasures Against Select Pathogens**

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

**Hyperlink:** [\(RFA-AI-17-026\)](#)

**Type:** R01

**Application Due Date:** January 12, 2018 Apply by 5:00 PM local time of applicant organization.

**Funding Opportunity Announcement:** The purpose of this Funding Opportunity Announcement (FOA) is to solicit research applications for milestone-driven projects focused on preclinical development of lead candidate therapeutics, vaccines and related countermeasures against select NIAID Emerging Infectious Diseases/Pathogens. Applications must include a Product Development Strategy attachment and demonstrate substantive investment by at least one industrial participant.

**Budget:** NIAID intends to commit \$16 million in FY 2019 to fund 15-20 awards. Recommended budget for direct costs of up to \$750,000 per year may be requested. Applicants may also request up to an additional \$300,000 in the first year of the award for major equipment to ensure that research objectives can be met and biohazards can be contained, totaling \$1,050,000 direct costs for Year 1 only. The scope of the proposed project should determine the project period. The maximum project period is 5 years

### 3. BRAIN Initiative: Research on the Ethical Implications of Advancements in Neurotechnology and Brain Science

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

**Hyperlink:** [\(RFA-MH-18-500\)](#)

**Type:** R01

**Application Due Date:** December 7, 2017 Apply by 5:00 PM local time of applicant organization.

**Funding Opportunity Announcement:** This funding opportunity announcement (FOA), in support of the NIH Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative, is one of several FOAs aimed at supporting transformative discoveries that will lead to breakthroughs in understanding human brain function. Guided by the long-term scientific plan, "BRAIN 2025: A Scientific Vision," this FOA specifically seeks to support efforts addressing core ethical issues associated with research focused on the human brain and resulting from emerging technologies and advancements supported by the BRAIN Initiative. The hope is that efforts supported under this FOA might be both complementary and integrative with the transformative, breakthrough neuroscience discoveries supported through the BRAIN Initiative.

**Budget:** Issuing IC and partner components intend to commit an estimated total of \$2 million to fund 4-6 awards. Application budgets are limited to \$300,000 in direct costs in any project 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 4 years.

### 4. Secondary Analyses of Existing Alcohol Research Data

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

**Hyperlink:** [\(PA-17-467\)](#)  
[\(PA-17-468\)](#)

**Type:** R01  
R03

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

**Funding Opportunity Announcement:** This Funding Opportunity Announcement (FOA) encourages the submission of investigator-initiated research grant applications to support the secondary analysis of existing data sets with the goal of enhancing our understanding of patterns of alcohol consumption, the epidemiology and etiology, including genetics, of alcohol-related problems. Research grants for the Secondary Analyses of Existing Alcohol Research Data are intended to provide support for studies that utilize currently available data sets to increase our understanding of the incidence, prevalence and etiology of alcohol related problems and disorders in the population, as well as the risk and protective factors associated with them. Research that employs analytic techniques, which demonstrate or promote methodological advances in alcohol-related epidemiologic and Genetics/Genomics research is also of interest.

**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. **R03:** Application budgets are limited to \$50,000 in direct costs per year. The total project period may not exceed two years.

### 5. Detection of HIV for Self-Testing

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

**Hyperlink:** [\(PAR-17-471\)](#)

**Type:** R61/R33

**Application Due Date:** December 6, 2017, December 6, 2018, and December 6, 2019. Apply by 5:00 PM local time of applicant organization.

**Funding Opportunity Announcement:** The purpose of this Funding Opportunity Announcement (FOA) is to support bi-phasic developmental, discovery-driven, or hypothesis-driven research focused on innovative strategies to detect HIV either within the first two weeks of infection or to monitor viral rebound after stopping or developing resistance to antiretroviral therapy. Applications should propose simple diagnostic tools that would be feasible for a self-testing platform to allow untrained individuals to detect HIV. Interdisciplinary collaborations that include biomedical, physical, and behavioral sciences are highly encouraged.

**Budget:** NIAID intends to commit \$2,640,000 in FY 2018 to fund 3-6 awards. NIMH intends to commit \$300,000 total cost in FY 2018. Future year amounts will depend on annual appropriations. Application budgets are limited to \$300,000 in direct costs per year in the R61 phase and \$500,000 in direct costs per year in the R33 phase. All F&A costs are excluded from this limit. Requested budgets should reflect the actual needs of the proposed project. The scope of the proposed project should determine the project period. The maximum project period for an application submitted in response to this FOA cannot exceed five 5 years. Applicants may request up to three years of support for the R61 phase, and up to two years of support for the R33 phase.

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

**R01 – NIH Research Project Grant Program:** most common NIH program; to support a discrete, specified, circumscribed research project; generally 3-5 years; budget may be specified, but generally <\$500,000 p.a. (direct costs).

**R21 – NIH Exploratory/Developmental Research Grant:** encourages new, exploratory and developmental research projects (could be used for pilot or feasibility studies); up to 2 years; budget total generally <\$275,000 (direct costs).

**R03 – NIH Small Grant Program:** limited funding for short period to support e.g. pilot / feasibility study, collection of preliminary data, secondary analysis of existing data, small-contained research projects, development of new research technology, etc.; normally for "new investigators"; not renewable; up to 2 years; budget generally <\$50,000 (direct costs).