



NIH funding opportunities



Faculty of Medicine and Health Sciences: Research Development and Support 19 Mar 2018 (#8)

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

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.

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

Contact: RGMO Pre-Awards cdevries@sun.ac.za

Important notices:

- Request for Information (RFI): Animal Care and Use in Research ([NOT-OD-18-152](#))
- NIAID Request for Information (RFI): Expanding Extramural Research Opportunities at the NIH Clinical Center ([NOT-AI-18-021](#))
- NIH supports approximately 2,500 organizations. In 2017 about 640 of these organizations received funding for competing **Research Project Grants (RPGs)** which involved over 11,000 principal investigators. The **success rate** for competing FY 2017 RPG applications was 18.7% compared to 19.1% in FY 2016. [Continue reading →](#)
- Did you know that the **eRA Commons** allows **principal investigators** the ability to grant permission to have others at their institution help with some grants administration tasks? You might want to consider whether delegating any or all of the following tasks is right for you... [Continue reading →](#)
- eRA Commons introduced **xTRACT** as an electronic system for **creating research training data tables and tracking trainee outcomes**. xTRACT permits users to leverage data already in eRA Commons to pre-populate training tables with trainee names, institution information, award information, etc., which can be used both in new application submissions and for progress reports [the Research Performance Progress Report (RPPR)]. While use of xTRACT is not required currently, it is anticipated to be required as of FY 2020 for certain types of **training grant applications**. [Continue reading →](#)

1. Genomic Centers for Infectious Diseases (Clinical Trial Not Allowed)

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

Hyperlink: ([RFA-AI-18-004](#))

Type: U19

Application Due Date: June 22, 2018. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: The purpose of this initiative is to support Genomic Centers for Infectious Diseases (GCID) to promote broad use and expand the application of genomics technologies and computational analysis to understand infectious diseases, with an emphasis on pathogens, their interaction with the host and microbiome, and to aid in the development of novel genomics-based tools to diagnose, prevent and treat infectious diseases. The GCID will support innovative technology development in all aspects of genomics, including the use of synthetic and genome editing technologies as well as functional genomics to address basic, translational, and clinically relevant questions in host-pathogen interactions. The knowledge generated, including research data, analytical software tools, computational models, experimental protocols, and reagents, is expected to be widely disseminated to the scientific community through publicly accessible databases and reagent repositories.

Budget: NIAID intends to commit \$12 million in FY 2019 to fund 2-3 awards. Applicants may propose budgets of up to \$3.75 million direct costs per year, which includes up to \$75,000 in direct costs for either one or a maximum of two Collaborative Pilot Projects per year. Application budgets 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.

2. Investigations on Primary Immunodeficiency Diseases/Inborn Errors of Immunity (Clinical Trial Not Allowed)

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

Hyperlink: ([PAR-18-712](#))

Type: R01

Application Due Date: [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 advance the discovery and characterization of primary immunodeficiency diseases, also referred to as inborn errors of immunity, to understand the causes and mechanisms of disease, to enable early detection and molecular diagnosis, and to support the development of strategies to treat and eventually cure these disorders.

Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project. The total project period may not exceed 5 years.

3. Advancing Exceptional Research on HIV/AIDS and Substance Abuse (Clinical Trial Optional)

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

Hyperlink: [\(RFA-DA-18-022\)](#)

Type: R01

Application Due Date: August 22, 2018; August 22, 2019, August 21, 2020. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: This FOA supports highly innovative R01 applications on HIV/AIDS and drug abuse and complements the Avant-Garde Award Program for HIV/AIDS and Drug Use Research and the Avenir Award Program for Research on Substance Abuse and HIV/AIDS. The Avant-Garde award supports individuals who conduct high-risk, high-reward research and does not require a detailed research plan. The Avenir award is similar to the Avant-Garde award but focuses on support for early stage investigators. Applications submitted under this FOA are required to have a detailed research plan and preliminary data. This FOA focuses on innovative research projects that have the potential to open new areas of HIV/AIDS research and/or lead to new avenues for prevention and treatment of HIV/AIDS among substance abusers. The nexus with drug abuse should be clearly described. This FOA is open to both individual researchers and research teams and is not limited to any one area of research on HIV and substance use, but all studies must focus on NIH HIV/AIDS Research Priorities <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-15-137.html>.

Budget: NIDA intends to commit \$3M in FY 2018, 2019, 2020 to fund 3-4 awards. Application budgets are not limited but need to reflect the actual needs of the proposed project. The scope proposed should determine the project period. The maximum project period is five years.

4. BRAIN Initiative: Optimization of Transformative Technologies for Large Scale Recording and Modulation in the Nervous System (Clinical Trials Not Allowed)

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

Hyperlink: [\(RFA-NS-18-019\)](#)

Type: U01

Application Due Date: May 15, 2018, October 29, 2018, May 1, 2019, October 29, 2019, May 1, 2020, and October 29, 2020 Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: Understanding the dynamic activity of neural circuits is central to the NIH BRAIN Initiative. Although invention and proof-of-concept testing of new technologies are a key component of the BRAIN Initiative, to achieve their potential these technologies must also be optimized through feedback from end-users in the context of the intended experimental use. This FOA seeks applications for the optimization of existing and emerging technologies and approaches that have potential to address major challenges associated with recording and manipulating neural activity, at or near cellular resolution, at multiple spatial and temporal scales, in any region and throughout the entire depth of the brain. This FOA is intended for the iterative refinement of emergent technologies and approaches that have already demonstrated their transformative potential through initial proof-of-concept testing, and are appropriate for accelerated development of hardware and software while scaling manufacturing techniques towards sustainable, broad dissemination and user-friendly incorporation into regular neuroscience practice. Proposed technologies should be compatible with experiments in behaving animals, and should include advancements that enable or reduce major barriers to hypothesis-driven experiments. Technologies may engage diverse types of signaling beyond neuronal electrical activity for large-scale analysis, and may utilize any modality such as optical, electrical, magnetic, acoustic or genetic recording/manipulation. Applications that seek to integrate multiple approaches are encouraged. Applications are expected to integrate appropriate domains of expertise, including where appropriate biological, chemical and physical sciences, engineering, computational modeling and statistical analysis.

Budget: The NIH anticipates providing \$10M per year to fund an estimated 15 to 20 awards. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is four years of support.

5. BRAIN Initiative: New Technologies and Novel Approaches for Large-Scale Recording and Modulation in the Nervous System (Clinical Trials Not Allowed)

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

Hyperlink: [\(RFA-NS-18-020\)](#)

Type: R01

Application Due Date: May 15, 2018, October 29, 2018, May 1, 2019, October 29, 2019, May 1, 2020, and October 29, 2020 Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: Understanding the dynamic activity of neural circuits is central to the NIH BRAIN Initiative. This FOA seeks applications for proof-of-concept testing and development of new technologies and novel approaches for largescale recording and manipulation of neural activity to enable transformative understanding of dynamic signaling in the nervous system. In particular, we seek exceptionally creative approaches to address major challenges associated with recording and manipulating neural activity, at or near cellular resolution, at multiple spatial and/or temporal scales, in any region and throughout the entire depth of the brain. It is expected that the proposed research may be high-risk, but if successful could profoundly change the course of neuroscience research. Proposed technologies should be compatible with experiments in behaving animals, and should include advancements that enable or reduce major barriers to hypothesis-driven experiments. Technologies may engage diverse types of signaling beyond neuronal electrical activity for large-scale analysis, and may utilize any modality such as optical, electrical, magnetic, acoustic or genetic recording/manipulation. Applications that seek to integrate multiple approaches are encouraged. Where appropriate, applications are expected to integrate appropriate domains of expertise, including biological, chemical and physical sciences, engineering, computational modeling and statistical analysis.

Budget: The NIH anticipates providing \$10M per year to fund an estimated 15 to 20 awards Application budgets are not limited but need to reflect the actual needs of the proposed project. Awards are for three years of support.

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