



NIH funding opportunities



Faculty of Medicine and Health Sciences: Research Development and Support 09 Oct 2017 (#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.

Please be advised that you **must contact the Research Grants Management Office (RGMO) Pre-Awards** (Dr Christa de Vries 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**.

Important Notice

- New NIH "FORMS-E" Grant Application Instructions Available for Due Dates On or After January 25, 2018 ([NOT-OD-17-119](#))
- Request for Information (RFI): Next-Generation Data Science Challenges in Health and Biomedicine ([NOT-LM-17-006](#))

1. BRAIN Initiative: Proof of Concept Development of Early Stage Next Generation Human Brain Imaging (No Clinical Trials)

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

Hyperlink: ([RFA-EB-17-003](#))

Type: R01

Application Due Date: December 20, 2017 and December 11, 2018. 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, aims to support early stage development of entirely new and novel noninvasive human brain imaging technologies and methods that will lead to transformative advances in our understanding of the human brain. The FOA solicits unusually bold and potentially transformative approaches and supports small-scale, proof-of-concept development based on exceptionally innovative, original and/or unconventional concepts.

Budget: Issuing IC and partner components intend to commit an estimated total of \$4M to fund 6-12 awards. Application budgets are limited to \$300,000 in direct costs in any project year. The scope of the proposed project should determine the project period. The maximum project period is 2 years.

2. BRAIN Initiative: Development of Next Generation Human Brain Imaging Tools and Technologies (No Clinical Trials)

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

Hyperlink: ([RFA-EB-17-004](#))

Type: U01

Application Due Date: December 20, 2017 and December 11, 2018. 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, aims to support full development of entirely new or next generation noninvasive human brain imaging tools and methods that will lead to transformative advances in our understanding of the human brain. The FOA seeks innovative applications that are ready for full-scale development of breakthrough technologies with the intention of delivering working tools within the timeframe of the BRAIN Initiative ("BRAIN 2025: A Scientific Vision," <http://braininitiative.nih.gov/>). This FOA represents the second stage of the tool/technology development effort that started with RFA-MH-14-217 and RFA-MH-15-200

Budget: Issuing IC and partner components intend to commit an estimated total of \$8M to fund 3-6 awards. 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. BRAIN Initiative: Targeted BRAIN Circuits Projects- TargetedBCP (No Clinicals Trials)

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

Hyperlink: ([RFA-NS-18-009](#))

Type: R01

Application Due Date: December 8, 2017 and March 15, 2018. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: This FOA solicits applications for research projects that use innovative and methodologically-integrated approaches to understand how circuit activity gives rise to mental experience and behavior. The goal is to support projects that can realize a meaningful outcome within 5 years. Applications should address circuit function in the context of specific neural systems such as sensation, perception, attention, reasoning, intention, decision-making, emotion, navigation, communication, or homeostasis. Projects should link theory and data analysis to experimental design and should produce predictive models as deliverables. Projects should aim to improve the understanding of circuits of the central nervous system by systematically controlling stimuli and/or behavior while actively recording and/or manipulating dynamic patterns of neural activity. Projects can use non-human animal species, and applications should explain how the selected species offers ideal conditions for revealing general principles about the circuit basis of a specific behavior.

Budget: Issuing IC and partner components intend to commit an estimated total of \$14M to fund 20 awards. 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. NIH SIREN Neurologic Clinical Trials (Clinical Trial Required)

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

Hyperlink: ([PAR-18-304](#))

Type: U01

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

Funding Opportunity Announcement: This funding opportunity announcement (FOA) encourages applications for multi-center clinical trials focused on neurological emergencies. Successful applicants will collaborate and conduct the trial within the NIH SIREN Network. The NIH SIREN Clinical Coordinating Center (CCC) will work with the successful applicants to implement the proposed trial efficiently and the SIREN Data Coordinating Center (DCC) will provide statistical and data management support. The NIH SIREN hubs and their affiliated clinical sites will provide on-site implementation of the clinical protocols. The NIH SIREN Network will also be uniquely poised to collaborate with other US and international consortia necessary to conduct larger, definitive trials of promising interventions for neurological emergencies. Multi-center clinical trials in stroke treatment, recovery, or prevention supported by NINDS will be conducted in the NIH StrokeNet, and not within SIREN. Applicants do not need to be part of the existing SIREN infrastructure to apply under this FOA.

Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum requested project period cannot exceed 5 years but the actual funded project period is dependent on reaching specific milestones as described in this FOA.

5. Lymphatics in Health and Disease in the Digestive System (Clinical Trials Not Allowed)

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

Hyperlink: ([RFA-DK-17-016](#))

Type: R01

Application Due Date: February 2, 2018. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: The purpose of this FOA is to invite applications that investigate aspects of lymphatic vessel physiology, development and pathophysiology related to health and diseases of the digestive system. Studies to understand the factors that control local lymphatic vessel functional anatomy and physiology and development during health or disease in this system and its organs, and the mechanisms by which alterations of lymphatic vessel function affect organ function, are of interest. However, studies with the major focus on immune mechanisms, role of lymphatics in cancer metastasis and study of lymphatic vessels in organs other than those from the digestive system will not be considered responsive.

Budget: NIDDK intends to commit \$1,000,000 in FY 2018 to fund up to 3 awards. Application budgets are limited to \$499,999 direct costs per year exclusive of subcontracts F&A. Budgets should reflect the actual needs of the proposed project. The maximum project period is 5 years.

6. Addressing Chronic Wound Trajectories Through Social Genomics Research (Clinical Trial Optional)

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

Hyperlink: ([PA-17-492](#))
([PA-17-493](#))

Type: R01
R21

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 stimulate clinical research that applies a social genomics approach to chronic wound risk, presence, progression, and healing. The field of social genomics focuses on how the social environment influences gene expression, and how this gene expression may in turn impact health outcomes. Chronic wounds (e.g., diabetic ulcers, venous or arterial ulcers) are multidimensional and, as such, there is benefit to a holistic approach that goes beyond a focus on the wound (i.e., repairing the skin and underlying tissue) to include an approach that focuses on the person with the wound. A better understanding of social environmental factors (positive and negative) and associated molecular mechanisms is needed to advance therapeutic strategies aimed at reducing chronic wound risk in addition to improving healing outcomes and quality of life.

Budget: R01 - Application budgets are not limited but need to reflect the actual needs of the proposed project. R21 - The combined budget for direct costs for the two-year project period may not exceed \$275,000. No more than \$200,000 may be requested in any single year. The total project period may not exceed 2 years.

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).