



NIH funding opportunities



Faculty of Medicine and Health Sciences: Research Development and Support

22 Sep 2015

[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) at least 60 days before the submission date**, Mr Eugene Baugaard (eugeneb@sun.ac.za), or as soon as you commit to apply for an NIH grant and that the grant is submitted institutionally. **All final application documents MUST reach the RGMO seven (7) workdays before NIH application due date**

Important notices

- Notice of Announcement of Public Consultation on Antimicrobial Resistance Rapid, Point-of-Care Diagnostic Test Challenge ([NOT-OD-15-155](#))
- NIH-NSF Ecology and Evolution of Infectious Diseases Program: A Joint Program for Multidisciplinary Research ([NOT-TW-15-005](#))

1. Title: Planning for Regional Centers of Research Excellence in Non-communicable Diseases in Low and Middle Income Countries

Letter of Intent due date: Typically one month before the due date

Hyperlink: [\(RFA-CA-15-007\)](#)

Type: P20

Application Due Date: December 10, 2015 & August 23, 2016. Apply by 5:00 PM local time of applicant organization. All [types of non-AIDS applications](#) allowed for this funding opportunity announcement are due on these dates. Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date. **Applicants should be aware that on-time submission means that an application is submitted error free to of both Grants.gov and eRA Commons.** Internal Submission will be 2 days before the application due date above.

Purpose: The goal of this Funding Opportunity Announcement (FOA) is to facilitate the planning, designing and initial research focus of Regional Centers of Research Excellence (RCRE) for non-communicable disease, including cancer, in low and middle-income countries (LMICs). Activities in this FOA will be implemented through collaborative partnerships between investigators from institutions in high-income countries (HICs) or upper- middle-income countries (UMICs) and investigators, research administrators, and other stakeholders from LMICs. The planning efforts must demonstrate an understanding of the region's research capabilities and a commitment to enhance these capabilities with a focus on basic, translational, clinical, and population science research for Non-Communicable Diseases (NCDs). Research activities undertaken through this initiative should demonstrate that the collaborators can work together to answer NCD questions that are relevant, timely, and important to the concerned region. The planning efforts to be supported under this FOA should initiate centers of excellence for research on NCDs and demonstrate an ability to undertake high quality, well-coordinated, collaborative research on NCDs in LMICs that engages regional investigators and research administrators.

Budget: The combined budget for direct costs for the two-year project period may not exceed \$400,000. Application budgets are limited to no more than \$200,000 in direct costs in any single year. At least 60% of the proposed direct cost budget must be for costs in the LMIC. F&A costs requested by consortium participants are not included in the direct cost limitation. See NOT OD-05-004. The scope of the proposed project should determine the project period. The maximum project period is 2 years.

2. Title: Clinical, Behavioral and Physiological Research Testing Current and Novel Closed Loop Systems

Letter of Intent due date: Typically one month before the due date

Hyperlink: [\(RFA-DK-16-009\)](#)

Type: DP3

Application Due Date: June 28, 2016. Apply by 5:00 PM local time of applicant organization. Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date. **Applicants should be aware that on-time submission means that an application is submitted error free** (of both Grants.gov and eRA Commons errors) by 8:00 PM Eastern Time on the application due date. Internal Submission will be 2 days before the application due date above.

Purpose: This Funding Opportunity Announcement (FOA) encourages applications from institutions/organizations proposing human studies to develop and/or test a highly reliable, wearable, portable and easy to operate system linking continuous glucose monitoring and pancreatic hormone delivery in a closed loop system. This research is intended to improve glucose control and quality of life of patients with type 1 diabetes. Only human studies will be considered responsive to this FOA.

Budget: Maximum direct costs are \$2.5 million exclusive of consortium Facilities and Administrative (F&A) costs to be used over a project period of up to 5 years. NIDDK expects that the requested direct costs will range from \$1 million to \$2.5 million based on the scope of the research, plus applicable F&A costs to be determined at the time of the award. The scope of the proposed project should determine the project period. The maximum project period is 5 years.



3. Title: Multidisciplinary Approaches for Developmental Research with Individuals with DSD

Letter of Intent due date: Typically one month before the due date
Hyperlink: [\(RFA-HD-16-021\)](#)
[\(RFA-HD-16-022\)](#)
[\(RFA-HD-16-023\)](#)
Type: RO1
RO3
R21

Application Due Date: December 9, 2015. Apply by 5:00 PM local time of applicant organization. Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date. **Applicants should be aware that on-time submission means that an application is submitted error free** (of both Grants.gov and eRA Commons errors) by 8:00 PM Eastern Time on the application due date. Internal Submission will be 2 days before the application due date above.

Purpose: This FOA invites grant applications from institutions/organizations proposing research with individuals with disorders of sex development (DSD) and their families in one of five major areas: 1) improving the diagnosis of DSD; 2) genitosurgery/gender assignment outcomes; 3) psychosocial and functional impacts on development of individuals with DSD; 4) improving clinical management of DSD; and 5) follow-up of cohorts with DSD to establish treatment outcomes, cancer risks, and cancer-related health issues. The objective of this FOA is to develop a scientific basis for maximizing developmental outcomes for the relatively rare conditions of DSD and to create a consortium of researchers for collaboration and data sharing.

Budget: **R01**=Application budgets need to reflect the actual needs of the proposed project and must be limited to no more than \$499,999 direct costs per year. The scope of the proposed project should determine the project period. The maximum project period is 5 years. **R03**=Application budgets need to reflect the actual needs of the proposed project but are limited to no more than \$50,000 direct costs per year. The scope of the proposed project should determine the project period. The maximum project period is 2 years. **R21**=Application budgets need to reflect the actual needs of the proposed project. 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 scope of the proposed project should determine the project period. The maximum project period is 2 years

4. Title: Using Omics to Define Human Placental Development and Function Across Pregnancy

Letter of Intent due date: Typically one month before the due date
Hyperlink: [\(RFA-HD-16-036\)](#)
[\(RFA-HD-16-037\)](#)
Type: RO1
R21

Application Due Date: December 18, 2015. Apply by 5:00 PM local time of applicant organization. Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date. **Applicants should be aware that on-time submission means that an application is submitted error free** (of both Grants.gov and eRA Commons errors) by 8:00 PM Eastern Time on the application due date. Internal Submission will be 2 days before the application due date above.

Purpose: This FOA invites grant applications for research directed at the development of omics profiles reflecting human placental development and function across gestation. A goal of this FOA is also to create a community resource of research resources that are broadly available and shared with the research community for providing a foundation for further integration with other novel technologies being developed to advance safe, real time placental assessment in vivo, as well as for providing large amounts of complex data and associated metadata to the research community to further advance and accelerate research in the field.

Budget: **R01**=Application budgets are limited to no more than \$500,000 in direct costs per year. The scope of the proposed project should determine the project period. The maximum project period is 5 years. **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 scope of the proposed project should determine the project period. The maximum project period is 2 years.

5. Title: Research on the Mechanisms and/or Behavioral Outcomes of Multisensory Processing

Letter of Intent due date: Typically one month before the due date
Hyperlink: [\(PA-15-347\)](#)
Type: RO1

Application Due Date: **Standard dates** (First date 5 Feb) & **Standard AIDS dates** (First date 7 Jan) apply. Apply by 5:00 PM local time of applicant organization. Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date. **Applicants should be aware that on-time submission means that an application is submitted error free** (of both Grants.gov and eRA Commons errors) by 8:00 PM Eastern Time on the application due date. Internal Submission will be 2 days before the application due date above.

Purpose: The purpose of this FOA is to invite applications that elucidate the mechanisms and/or behavioral outcomes of multisensory processing, the integration or processing of at least two distinct types of sensory input as defined by distinct receptor-type transduction, neural pathways and cognate perceptual quality. Specifically, multiple sensory inputs may include the major traditional modalities of hearing, vision, taste, smell, balance, and touch. Additional submodalities of body senses include but are not restricted to thermosensation, body position and proprioception, pain, itch, and general visceral sensation. This FOA encourages research grant applications investigating multisensory processing in perception or other behavioral and social outcomes and/or the mechanisms underlying multisensory processing in the context of the described specific areas of research interests from the participating NIH Institutes, Centers, and Offices (ICOs). The FOA is intended to encourage basic, behavioral, and/or clinical research projects examining the interactions between other neural systems, such as cognitive, affective, or motor processes, and multiple sensory modalities. Multisensory research applications that do not align with the specific areas of research interests described below by the participating NIH ICOs should be submitted to the parent R01 FOA, PA-13-302.

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.

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

DP3 – Institutional Training and Director Program Projects -Type 1 Diabetes Targeted Research Award: To support research tackling major challenges in type 1 diabetes and promoting new approaches to these challenges by scientific teams.

P20 – Research Program Projects and Centers -Exploratory Grant: To support planning for new programs, expansion or modification of existing resources, and feasibility studies to explore various approaches to the development of interdisciplinary programs that offer potential solutions to problems of special significance to the mission of the NIH. These exploratory studies may lead to specialized or comprehensive centers.

U01 – NIH Research Project Cooperative Agreement: supports discrete, specified, circumscribed projects to be performed by investigator(s) in an area representing their specific interests and competencies; many types of cooperative agreements, e.g. Clinical Trials Centers; generally no budget upper limit but may be specified.

UC4 – NIH Research Project Cooperative Agreement: To support multi-year funded cooperative agreement research with high impact ideas that may lay the foundation for new fields of investigation; accelerate breakthroughs; stimulate early and applied research on cutting-edge technologies; foster new approaches to improve the interactions among multi- and interdisciplinary research teams; or, advance the research enterprise in a way that could stimulate future growth and investments and advance public health and health care delivery. This activity code could support either a specific research question or propose the creation of a unique infrastructure/resource designed to accelerate scientific progress in the future.

U24 – Resource-Related Research Projects – Cooperative Agreements: To support research projects contributing to improvement of the capability of resources to serve biomedical research.

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).

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).

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).

R21/R33 - Phased Innovation: The R33 award is to provide a second phase for the support for innovative exploratory and development research activities initiated under the R21 mechanism. Although only R21 awardees are generally eligible to apply for R33 support, specific program initiatives may establish eligibility criteria under which applications could be accepted from applicants demonstrating progress equivalent to that expected under R33.

Complete [Glossary and acronym list of NIH Terms](#)