



NIH funding opportunities



Faculty of Medicine and Health Sciences: Research Development and Support

17 June 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.

Important notices

- Consideration of Sex as a Biological Variable in NIH-funded Research ([NOT-OD-15-102](#))
- Enhancing Reproducibility through Rigor and Transparency of research findings ([NOT-OD-15-103](#))
- Registration Open for Participant Engagement and Health Equity Workshop of the Precision Medicine Initiative Working Group of the Advisory Committee to the NIH Director, July 1-2, 2015 ([NOT-OD-15-110](#))
- Notice to Modify Instructions in RFA-DA-15-004 "NIDA Avant-Garde Award Program for HIV/AIDS and Drug Use Research (DP1)" regarding a Program Director/Principal Investigator's (PD/PI's) Accomplishments, the Biographical Sketch and the Research Strategy ([NOT-DA-15-072](#))
- Request for Information (RFI): Soliciting Comments on Support for Research on the Structure Determination of Membrane Proteins and Protein Complexes by the National Institute of General Medical Sciences ([NOT-GM-15-116](#))
- Request for Information (RFI): Innovative Approaches to Technology Development for the Biomedical Research Community ([NOT-GM-15-118](#))
- Notice of Intent to Publish Funding Opportunity Announcements for Adolescent Medicine Trials Network for HIV/AIDS Interventions(ATN) Research Program Grants (U19) ([NOT-HD-15-017](#))
- NHLBI Announces Interest in Large, Simple, Randomized Emergency Care Clinical Trials ([NOT-HL-15-262](#))

1. Title: Partnerships for the Development of Novel Assays to Predict Vaccine Efficacy

Letter of Intent due date: August 30, 2015

Hyperlink: ([RFA-AI-15-033](#))

Type: RO1

Application Due Date: September 30, 2015, by 5:00 PM local time of applicant organization.

Purpose: The purpose of this Funding Opportunity Announcement is to solicit applications for projects focused on development, or improvement, of preclinical assays to predict human efficacy for specific investigational vaccines.

Budget: Budgets for direct costs of up to \$750,000 per year may be requested. Applicants may also request up to an additional \$300,000, in year one for major equipment to ensure that research objectives can be met and biohazards can be contained, totaling \$1,050,000 direct costs. Consortium F&A is not included in the direct cost limitation.

2. Title: Open Design Tools for Speech Signal Processing

Letter of Intent due date: September 1, 2015

Hyperlink: ([RFA-DC-16-001](#))

Type: RO1

Application Due Date: October 1, 2015, by 5:00 PM local time of applicant organization.

Purpose: This Funding Opportunity Announcement (FOA) invites Research Project Grant (R01) applications to develop novel acoustic signal processing algorithms for speech enhancement that employ the substantially greater amounts of computing power likely to be available in future generations of hearing aids, cochlear implants, personal sound processors, and consumer electronic devices.

Budget: Application budgets may request average direct costs (excluding consortium Facilities and Administrative costs) of up to \$325,000 per year. Support may be requested for up to five years.

3. Title: Novel or Enhanced Dental Restorative Materials for Class V Lesions

Letter of Intent due date: August 29, 2015

Hyperlink: ([RFA-DE-16-007](#))

Type: RO1

Application Due Date: September 29, 2015, by 5:00 PM local time of applicant organization.

Purpose: The intent of this Funding Opportunity Announcement (FOA) is to stimulate research on the development of novel or enhanced dental restorative materials for Class V lesions that demonstrate superiority in clinical service life over the currently used restorative options. The requirements of Class V restorative materials (those placed within the gingival third of the exposed tooth) are complex, due to the unique material characteristics required by the oral environment and the complications hindering dental treatment in this region. For these reasons, this FOA encourages research that will produce fundamental improvements in Class V restorative dental materials.

Budget: Application budgets are limited to \$250,000 direct costs per year for a total of \$1.25 million direct costs over five years.

4. Title: Longitudinal Assessment of Post -traumatic Syndromes

Letter of Intent due date: October 3, 2015 **Hyperlink:** [\(RFA-MH-16-500\)](#) **Type** UO1
Application Due Date: November 3, 2015, by 5:00 PM local time of applicant organization.

Purpose: This Funding Opportunity Announcement (FOA) encourages cooperative research project grant (U01) applications for a multi-site, longitudinal research platform to 1) characterize post-traumatic trajectories based on dimensions of observable behavior, neurobiological changes, and other measures that may serve as markers of risk (e.g., neural network functional connectivity, cognitive functioning, emotion regulation, biomarkers of immune response) among adult trauma patients initially seen in emergency rooms and other acute trauma settings and 2) develop algorithms to be used in the acute post-trauma time period to predict different trajectories that may be informative for future interventions.

Budget: The combined budget for direct costs for the entire project period may not exceed \$13.3M. The budget must 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.

5. Title: Ethical Issues in Research on HIV/AIDS and its Co-Morbidities

Letter of Intent due date: N/A **Hyperlink:** [\(PAR-15-274\)](#) **Type** RO1
[\(PAR-15-275\)](#) R21

Application Due Date: January 7, 2016; September 7, 2016; January 7, 2017; September 7, 2017; January 8, 2018, by 5:00 PM local time of applicant organization.

Purpose: This Funding Opportunity Announcement (FOA) invites applications addressing ethical issues relevant to research on HIV and associated co-morbidities, including research with populations living with or at high risk of HIV acquisition. The bioethics projects supported through this FOA should focus on at least one of the following three goals:

- 1) Development of the empirical knowledge base for human subjects protection and ethical standards in HIV/AIDS research;
- 2) Development of conceptual bioethics approaches to advance scholarship on difficult ethical challenges in HIV/AIDS research;
- 3) Supporting the integration of bioethics work with ongoing research in HIV/AIDS

Budget: RO1: 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. **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.

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

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.

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](#)