



# NIH funding opportunities



Faculty of Medicine and Health Sciences: Research Development and Support 27 May 2019 (#17)

[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) or [www.sun.ac.za/RDSfunding](http://www.sun.ac.za/RDSfunding) (current & archive).

**Confirm your intent to apply ASAP, but not later than 60 days before the submission date.**

**Tygerberg Campus:** [cdevries@sun.ac.za](mailto:cdevries@sun.ac.za) • **Stellenbosch Campus** [lizelk@sun.ac.za](mailto:lizelk@sun.ac.za)

## Important Notices & News

- **NOT-OD-19-108:** NIH and AHRQ announce that **training grant recipients will be required** to use the xTRACT system in the eRA Commons to prepare the required data tables for Research Performance Progress Reports (RPPRs) for pre- and postdoctoral research training grants beginning in FY 2020.
- **NOT-HL-19-695:** Notice of Special Interest (NOSI): Understanding Factors in Infancy and Early Childhood (Birth to 24 months) That Influence Obesity Development.

### 1. Research Projects in Cancer Systems Biology (Clinical Trial Optional)

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

**Hyperlink:** [PAR-19-287](#)

**Type:** U01

**Application Due Date:** July 15, 2019, November 15, 2019, July 10, 2020, November 17, 2020. Apply by 5:00 PM local time of applicant organization.

**Funding Opportunity Announcement:** The National Cancer Institute's (NCI) Cancer Systems Biology Consortium (CSBC) supports systems biology approaches to cancer research and includes U54 CSBC Research Centers, a U24 CSBC Coordinating Center and, through this FOA, well-defined, discrete and circumscribed U01 Research Projects. CSBC Research Projects are expected to involve interdisciplinary teams of scientists, engineers, and cancer researchers who collaborate to advance our understanding of the mechanisms underlying cancer initiation, progression, and treatment. CSBC Research Projects proposed in response to this Funding Opportunity Announcement must be based upon explicit integration of experimental biology and computational modeling to test and validate novel hypotheses in cancer research.

**Budget:** Application budgets are limited to \$400,000 in direct cost per year and must reflect the actual needs of the proposed project. Project periods of up to 5 years may be proposed.

### 2. Understanding Senescence in Brain Aging and Alzheimer's Disease (Clinical Trial Not Allowed)

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

**Hyperlink:** [RFA-AG-20-025](#)

**Type:** R01

**Application Due Date:** October 17, 2019. Apply by 5:00 PM local time of applicant organization.

**Funding Opportunity Announcement:** The goal of this Funding Opportunity Announcement (FOA) is to support research focused on understanding the role of senescence in brain aging and in Alzheimer's disease (AD). This FOA encourages research projects addressing critical knowledge gaps in our understanding of the neurobiology of senescence through cutting-edge techniques, cross-disciplinary collaborations, and/or conceptual innovation, leveraging what is known about senescence in peripheral tissues to learn more about brain aging. Developing a clear understanding of the mechanisms driving aging processes in the brain, including senescence, is essential for combating age-related neurodegenerative diseases.

**Budget:** NIA intends to commit \$4,000,000 in FY 2020 to fund 9-11 awards. Application budgets are limited to \$250,000 in direct costs. The scope of the proposed project should determine the project period. The maximum project period is 5 years.

### 3. Drug Screening with Biofabricated 3-D Skin Disease Tissue Models (Clinical Trial Not Allowed)

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

**Hyperlink:** [RFA-TR-19-020](#)

**Type:** U18

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

**Funding Opportunity Announcement:** The purpose of this Funding Opportunity Announcement (FOA) is to build upon the work that has begun under previous FOA "NCATS Pilot Program for Collaborative Drug Discovery Research Using Bioprinted Skin Tissue" and utilize physiologically relevant and validated 3-D biofabricated skin disease tissue models in multi-well drug screening platforms. The FOA will support intramural- extramural collaborations to implement the use of 3-D biofabricated skin tissue models and provide evidence of success for 3-D drug screening platforms.

**Budget:** NCATS intends to fund an estimate of two awards, corresponding to a total of up to \$1,500,000 for fiscal year 2020. Future year amounts will depend on annual appropriations. The direct cost is limited to \$400,000 (exclusive of any contract/consortium F&A) per year. The scope of the proposed project should determine the project period. The proposed project period must not exceed two years.

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

Research Development and Support Division (RDSD),  
Faculty of Medicine and Health Sciences, Stellenbosch University  
5<sup>th</sup> Floor, Teaching Block, Tygerberg Campus.  
Enquiries: **Christa**  
e: [cdevries@sun.ac.za](mailto:cdevries@sun.ac.za) | t: +27 21 938 9838

Afdeling Navorsingsontwikkeling/Division for Research Development (DRD)  
Stellenbosch University  
2038 Wilcocks Building, Ryneveld Street  
Enquiries: **Lizél**  
e: [lizelk@sun.ac.za](mailto:lizelk@sun.ac.za) | t: +27 21 808 2105