



NIH funding opportunities



Faculty of Medicine and Health Sciences: Research Development and Support

23 Nov 2020 (#51)

[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 or 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 • Stellenbosch Campus lizelk@sun.ac.za

Important Notices

- [NOT-OD-21-029](#): NIH Implementation of the Revised Federal-wide Research Terms and Conditions

Upcoming Deadlines

- [Harnessing Data Science for Health Discovery and Innovation in Africa \(DS-I Africa\)](#):
Research Hubs non-AIDS application due date: 8 December 2020
Research Hubs AIDS application due date: 8 February 2021
- [Strengthening Institutional Capacity to Conduct Global Cancer Research in Low- and Middle-Income Countries D43](#) 24 June 2021

Parent Announcements

Parent Announcements (PA) for unsolicited are broad funding opportunity announcements allowing applicants to submit investigator-initiated applications. They are open for up to 3 years and use standard due dates.

- [PA-20-185](#) NIH Research Project Grant (Parent R01 Clinical Trial Not Allowed)
- [PA-20-184](#) Research Project Grant (Parent R01 Basic Experimental Studies with Humans Required)
- [PA-20-183](#) Research Project Grant (Parent R01 Clinical Trial Required)
- [PA-20-200](#) NIH Small Research Grant Program (Parent R03 Clinical Trial Not Allowed)
- [PA-20-195](#) NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Not Allowed)
- [PA-20-194](#) NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Required)
- [PA-20-196](#) NIH Exploratory/Developmental Research Grant Program (Parent R21 Basic Experimental Studies with Humans Required)

1. NEI Collaborative Clinical Vision Research : Chair's Grant (UG1-Clinical Trial Required)

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

Hyperlink: [PAR-21-041](#)

Type: UG1

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

Funding Opportunity Announcement: The NEI uses UG1 cooperative agreement awards to support investigator-initiated large-scale clinical trials, human gene-transfer, stem cell therapy trials, and other complex or high resource- or safety-risk clinical trials. These projects are multifaceted and of high public health significance requiring clear delineation of study organization including roles and responsibilities and require careful performance oversight and monitoring. For purposes of this Funding Opportunity Announcement (FOA), the proposed study must be intended to evaluate interventions aimed at screening, diagnosing, preventing, or treating vision disorders, or to compare the effectiveness of two or more established interventions. The NEI UG1-supported studies are typically funded as a group of single-component companion grant awards including the Chair's Grant, the Coordinating Center, and Resource Centers, when appropriate. Specifically, this FOA encourages applications for the Chair's grant, which includes the scientific rationale, study aims and significance of the research project.

Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum period is five years.

2. Innovative Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R21 Clinical Trial Not Allowed)

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

Hyperlink: [RFA-CA-21-003](#)

Type: R21

Application Due Date: February 22, 2021; May 27, 2021; September 29, 2021. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: This Funding Opportunity Announcement (FOA) solicits grant applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies offering novel molecular or cellular analysis capabilities for basic or clinical cancer research. The emphasis of this FOA is on supporting the development of novel capabilities involving a high degree of technical innovation for targeting, probing, or assessing molecular and cellular features of cancer biology. Well-suited applications must offer the potential to accelerate and/or enhance research in the areas of cancer biology, early detection and screening, clinical diagnosis, treatment, control, epidemiology, and/or address issues associated with cancer health disparities. Technologies proposed for development may be intended to have widespread applicability but must be focused on improving molecular and/or cellular characterizations of cancer biology. Projects proposing the application of existing technologies where the novelty resides in the biological or clinical target/question being pursued are not responsive to this solicitation and will not be reviewed. This funding opportunity is part of a broader NCI-sponsored [Innovative Molecular Analysis Technologies \(IMAT\) Program](#).

Budget: NCI intends to fund an estimate of 17 awards, corresponding to a total of \$4,200,000, for fiscal year 2022. Future year amounts will depend on annual appropriations. Direct costs are limited to \$400,000 over a 3-year period, with no more than \$200,000 in direct costs allowed in any single year. The total project period request may not exceed 3 years.

3. Advanced Development and Validation of Emerging Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R33 Clinical Trial Not Allowed)

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

Hyperlink: [RFA-CA-21-004](#)

Type: R33

Application Due Date: February 22, 2021; May 27, 2021; September 29, 2021. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: This Funding Opportunity Announcement (FOA) invites grant applications proposing exploratory research projects focused on further development and validation of emerging technologies offering novel capabilities for targeting, probing, or assessing molecular and cellular features of cancer biology for basic or clinical cancer research. This FOA solicits R33 applications where major feasibility gaps for the technology or methodology have been overcome, as demonstrated with supportive preliminary data, but still requires further development and rigorous validation to encourage adoption by the research community. Well-suited applications must offer the potential to accelerate and/or enhance research in the areas of cancer biology, early detection and screening, clinical diagnosis, treatment, control, epidemiology, and/or address issues associated with cancer health disparities. Technologies proposed for development may be intended to have widespread applicability but must be focused on improving molecular and/or cellular characterizations of cancer. Projects proposing application of existing technologies where the novelty resides in the biological or clinical target/question being pursued are not responsive to this solicitation and will not be reviewed. This funding opportunity is part of a broader NCI-sponsored [Innovative Molecular Analysis Technologies \(IMAT\) Program](#).

Budget: NCI intends to fund an estimate of 10 awards, corresponding to a total of \$4,300,000, for the fiscal year 2022. Future year amounts will depend on annual appropriations. Direct costs are limited to \$300,000 per year. Application budgets need to reflect the actual needs of the proposed project. The total project period request may not exceed 3 years.

4. Innovative Biospecimen Science Technologies for Basic and Clinical Cancer Research (R21 Clinical Trial Not Allowed)

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

Hyperlink: [RFA-CA-21-005](#)

Type: R21

Application Due Date: February 22, 2021; May 27, 2021; September 29, 2021. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: This Funding Opportunity Announcement (FOA) solicits grant applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies that improve the quality of the samples used for cancer research or clinical care. This includes new capabilities to address issues related to pre-analytical degradation of targeted analytes during the collection, processing, handling, and/or storage of cancer-relevant biospecimens. The overall goal is to support the development of highly innovative technologies capable of maximizing or otherwise interrogating the quality and utility of biological samples used for downstream analyses. This FOA will support the development of tools, devices, instrumentation, and associated methods to preserve or protect sample integrity, or establish verification criteria for quality assessment/quality control and handling under diverse conditions. These technologies are expected to accelerate and/or enhance research in cancer biology, early detection, and screening, clinical diagnosis, treatment, epidemiology, or address issues associated with cancer health disparities, by reducing pre-analytical variations that affect biospecimen sample quality. Projects proposing application of existing technologies where the novelty resides in the biological or clinical target/question being pursued are not responsive to this solicitation and will not be reviewed. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.

Budget: NCI intends to fund an estimate of 4 awards, corresponding to a total of \$1,000,000, for the fiscal year 2022. Future year amounts will depend on annual appropriations. Direct costs are limited to \$400,000 over a 3-year period, with no more than \$200,000 in direct costs allowed in any single year. Application budgets need to reflect the actual needs of the proposed project. The total project period request may not exceed 3 years.

5. Advanced Development and Validation of Emerging Biospecimen Science Technologies for Basic and Clinical Cancer Research (R33 Clinical Trial Not Allowed)

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

Hyperlink: [RFA-CA-21-006](#)

Type: R33

Application Due Date: February 22, 2021; May 27, 2021; September 29, 2021. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: This Funding Opportunity Announcement (FOA) solicits grant applications proposing exploratory research projects focused on further development and validation of emerging technologies that improve the quality of the samples used for cancer research or clinical care. This includes new capabilities to address issues related to pre-analytical degradation of targeted analytes during the collection, processing, handling, and/or storage of cancer-relevant biospecimens. This FOA solicits R33 applications where major feasibility gaps for the technology or methodology have been overcome, as demonstrated with supportive preliminary data, but still require further

development and rigorous validation to encourage adoption by the research community. The overall goal is to support the development of highly innovative technologies capable of maximizing or otherwise interrogating the quality and utility of biological samples used for downstream analyses. This FOA will support the development of tools, devices, instrumentation, and associated methods to preserve or protect sample integrity, or establish verification criteria for quality assessment/quality control and handling under diverse conditions. These technologies are expected to accelerate and/or enhance research in cancer biology, early detection and screening, clinical diagnosis, treatment, epidemiology, or address issues associated with cancer health disparities, by reducing pre-analytical variations that affect biospecimen sample quality. Projects proposing to use existing technologies where the novelty resides in the application of the technology or the biological or clinical question being pursued, and not the technical capabilities being developed, are not appropriate for this FOA and will not be reviewed.

This funding opportunity is part of a broader NCI-sponsored [Innovative Molecular Analysis Technologies \(IMAT\) Program](#).

Budget: NCI intends to fund an estimate of 2 awards, corresponding to a total of \$900,000, for fiscal year 2022. Future year amounts will depend on annual appropriations. Direct costs are limited to \$300,000 per year. The total project period request may not exceed 3 years.

6. Mood and Psychosis Symptoms during the Menopause Transition (R01 Clinical Trial Optional)

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

Hyperlink: [RFA-MH-21-105](#)
[RFA-MH-21-106](#)

Type: R01
R21

Application Due Date: February 9, 2021. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications that will advance mechanistic and translational research on the onset and worsening of mood and psychotic disorders during the menopausal transition (or perimenopause). In particular, research is solicited that will advance understanding of the underlying neurobiological and behavioral mechanisms of mood disruption and psychosis during the menopausal transition and that will identify novel targets for future mental health interventions or prevention efforts. This FOA uses the R01 grant mechanism, while the companion FOA (RFA-MH-21-106) uses the R21 mechanism. Investigators proposing high risk/high reward projects, projects that lack preliminary data, or studies that utilize existing data may wish to apply using the R21 mechanism, while applicants with preliminary data who seek longer-term funding may wish to apply using the R01 mechanism.

Budget: NIMH intends to commit \$2,000,000 in FY 2021 to fund 4-6 awards in response to this FOA and the companion ([RFA-MH-21-106](#)). R01: Application budgets are not limited but need to reflect the actual needs of the proposed project. 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.

7. Social Drivers of Mental Illnesses in Low- & Middle-Income Countries: Mechanisms and Pathways of Interventions for Youth (R01 Clinical Trial Optional)

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

Hyperlink: [RFA-MH-21-160](#)

Type: R01

Application Due Date: March 18, 2021. Apply by 5:00 PM local time of applicant organization.

Funding Opportunity Announcement: The purpose of this Funding Opportunity Announcement (FOA) is to solicit research that will help to identify and explain the mechanisms and pathways by which interventions targeting social drivers of mental illnesses affect the mental health and functioning of children and/or adolescents (ages 5-24 years) living in World Bank designated [low- and middle-income countries](#) (LMICs) and previously designated LMICs re-categorized as high income on or after January 1, 2021. Studies should use innovative approaches to capture as much real-world complexity as possible in identifying and elucidating mechanisms and pathways that reduce risk for mental illnesses or improve mental health in children and/or adolescents. NIMH welcomes applicants from LMICs and strongly encourages applicants from the United States or upper middle income countries to partner with sites in LMICs.

Budget: NIMH intends to commit \$3,000,000 in FY 2022 to fund 4-6 awards. Application budgets are limited to \$500,000 in direct costs in any project year and need to reflect the actual needs of the proposed project. The maximum project period is 5 years.

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