



R **RESEARCH OPPORTUNITIES** **ALERT**

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GRANTS FROM THE NATIONAL INSTITUTES OF HEALTH (NIH)

(Quarter: March – April 2019)

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PRE- & POST AWARD SERVICES
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FEBRUARY 2019

Research Grants

Innovation Grants

Academic-Industry Grants

Collaborative Opportunities

Technology Development Grants



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MARCH

NCCIH mind and body clinical trial cooperative agreement (U01): AIDS-related

NIH: National Center for Complementary and Integrative Health

This AIDS-related funding opportunity announcement supports investigator-initiated clinical trials of mind and body interventions to be used in future multi-site trials. Application budgets are not limited

but need to reflect the actual needs of the proposed project.

Closing date: 01 Mar 19

[Link to *Research Professional](#)

Extracellular vesicles and substance use disorders (R01)

NIH: National Institute on Drug Abuse

This supports research that investigates the interplay between extracellular vesicles and substance use disorders. Application budgets must reflect the actual needs of the

proposed project. A project period of up to five years may be requested.

Closing date: 03 Mar 19

[Link to *Research Professional](#)

Extracellular vesicles and substance use disorders (R21)

NIH: National Institute on Drug Abuse

This supports research that investigates the interplay between extracellular vesicles and substance use disorders. The combined budget for direct costs for the two-year project period may not exceed USD

275,000. Applicants may request a project period of up to two years.

Closing date: 03 Mar 19

[Link to *Research Professional](#)

Extracellular vesicles and substance use disorders (R21): AIDS-related

NIH: National Institute on Drug Abuse

This supports research that investigates the interplay between

extracellular vesicles and substance use disorders. The combined budget



for direct costs for the two year project period may not exceed USD 275,000. Applicants may request a project period of up to two years.

Closing date: 03 Mar 19

[Link to *Research Professional](#)

Extracellular vesicles and substance use disorders (R01): AIDS-related

NIH: National Institute on Drug Abuse

This supports research that investigates the interplay between extracellular vesicles and substance use disorders. Application budgets must reflect the actual needs of the

proposed project. A project period of up to five years may be requested.

Closing date: 03 Mar 19

[Link to *Research Professional](#)

Biological comparisons in patient-derived models of cancer (U01)

NIH: National Cancer Institute

This seeks applications wherein similarities and differences in the underlying biological mechanisms, that drive cancer phenotype and response to perturbations between two or more patient-derived models of cancer originating from a common patient sample, are delineated and compared. Application budgets are

not limited but need to reflect the actual needs of the proposed project. The maximum project period is five years.

Closing date: 06 Mar 19

[Link to *Research Professiona](#)

Modular R01s in cancer control and population sciences (R01 clinical trial optional)

NIH: National Cancer Institute

This supports research in cancer control and population sciences. Grants are worth up to USD 250,000 each per year over a maximum period of five years.

Closing date: 06 Mar 19

[Link to *Research Professional](#)



Optimisation of non-addictive small molecules and biologics therapies to treat pain (UG3/UH3 clinical trial not allowed)

NIH: National Institute of Neurological Disorders and Stroke

This opportunity supports preclinical optimisation and development of safe and non-addictive small molecule and biologic therapeutics to treat pain. Funding is worth up to USD 5.5

million per project for a maximum period of five years. ***

Closing date: 06 Mar 19

[Link to *Research Professional](#)



Exploring molecular links between dietary interventions and circadian rhythm (R01 clinical trial not allowed)

NIH: National Institute on Aging

This supports innovative experimental approaches to explore how dietary intervention entrains peripheral or central clocks to maintain tissue homeostasis and how circadian regulation integrates with various dietary strategies to

achieve optimal health benefits. Grants are worth up to USD 250,000 per year for a maximum period of five years.

Closing date: 06 Mar 19

[Link to *Research Professional](#)



Advanced development and validation of emerging biospecimen science technologies for basic and clinical cancer research (R33 clinical trial not allowed)

NIH: National Cancer Institute

This supports 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.

Application budgets are limited to USD 300,000 in direct costs per year for up to three years.

Closing date: 07 Mar 19

[Link to *Research Professional](#)





Investigator initiated extended clinical trial (R01 clinical trial required)

NIH: National Institute of Allergy and Infectious Diseases

This supports clinical trials of any phase that require an extended project period of six or seven years and are hypothesis-driven and related to the research mission of one of the participating institutes. Application budgets are not limited

but need to reflect the actual needs of the proposed project. The maximum project period is seven years.

Closing date: 07 Mar 19

[Link to *Research Professional](#)



Innovative biospecimen science technologies for basic and clinical cancer research (R21 clinical trial not allowed)

NIH: National Cancer Institute

This supports 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.

Application budgets are limited to USD 400,000 over a maximum period of three years.

Closing date: 07 Mar 19

[Link to *Research Professional](#)



BRAIN initiative – integration and analysis of BRAIN initiative data (R01 clinical trial not allowed)

NIH: National Institute of Mental Health

This aims to develop informatics tools for analysing, visualising and integrating data related to the BRAIN initiative or to enhance understanding of the brain. Application budgets are not limited but need to reflect the actual needs

of the proposed project. The maximum project period is three years.

Closing date: 07 Mar 19

[Link to *Research Professional](#)





Advanced development and validation of emerging molecular and cellular analysis technologies for basic and clinical cancer research (R33 clinical trial not allowed)

NIH: National Cancer Institute

This seeks 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. Application budgets are limited to USD 300,000 per year for up to three years.

Closing date: 07 Mar 19

[Link to *Research Professional](#)

Innovative molecular and cellular analysis technologies for basic and clinical cancer research (R21)

NIH: National Cancer Institute

This supports 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. Application budgets are worth up to USD 400,000 over a maximum period of three years.

Closing date: 07 Mar 19

[Link to *Research Professional](#)

Revisions for incorporation of novel NCI-supported technology to accelerate cancer research (R01 clinical trial optional)

NIH: National Cancer Institute

This encourages revision applications from currently funded NCI R01 research projects proposing to expand upon the original research questions or otherwise accelerate progress for the parent study. Grants are worth up to USD 150,000 each

per year for a maximum period of two years.

Closing date: 07 Mar 19

[Link to *Research Professional](#)



Revisions for incorporation of novel NCI-supported technology to accelerate cancer research (U01 clinical trial optional)

NIH: National Cancer Institute

This encourages revision applications from currently funded NCI U01 research projects proposing to expand upon the original research questions or otherwise accelerate progress for the parent study. Grants

are worth up to USD 150,000 each per year for a maximum period of two years.

Closing date: 07 Mar 19

[Link to *Research Professional](#)



Investigator initiated extended clinical trial (R01 clinical trial required): AIDS-related

NIH: National Institute of Allergy and Infectious Diseases

This AIDS-related call supports trials of any phase that require an extended project period of six or seven years and are hypothesis-driven and related to the research mission of one of the participating

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

Closing date: 07 Mar 19

[Link to *Research Professional](#)



Discovery of biomarkers, biomarker signatures and endpoints for pain (R61/R33 clinical trial optional)

NIH: National Institute of Neurological Disorders and Stroke

This supports the discovery of strong candidate biomarkers and endpoints for pain that can be used to facilitate the development of non-opioid pain therapeutics from discovery through phase II clinical trials. Application budgets are not

limited but need to reflect the actual needs of the proposed project. The maximum project period is five years.

Closing date: 07 Mar 19

[Link to *Research Professional](#)





Analytical or clinical validation of a candidate biomarker for pain (R61/R33 clinical trial optional)

NIH: National Institute of Neurological Disorders and Stroke

This supports the clinical or analytical validation of biomarkers and endpoints for pain that can be used to facilitate the development of non-opioid pain therapeutics from discovery to phase two clinical trials.

Application budgets are not limited but must reflect the actual needs of the proposed project.

Closing date: 07 Mar 19

[Link to *Research Professional](#)

Census of cells and circuits in the ageing brain (R01 clinical trial not allowed)

NIH: National Institute on Aging

This supports pilot studies aimed to establish molecular, anatomical, and functional cell and circuit census data from selected brain regions of young and old C57BL/6J mice. The total budget is USD 2.5 million,

covering two to three awards for up to five years.

Closing date: 08 Mar 19

[Link to *Research Professional](#)

Audacious goals initiative – preliminary studies for translation-enabling models of the visual system (R21 clinical trial not allowed)

NIH: National Eye Institute

This supports short-term, proof-of-principle research projects that will provide preliminary data for a future funding opportunities aimed at the development of new models that emulate human visual system

anatomy, physiology and disease processes.

Closing date: 08 Mar 19

[Link to *Research Professional](#)

Research on current topics in Alzheimer's disease and its related dementias (R01 clinical trial optional)

NIH: National Institute on Aging

This supports research on current topics in Alzheimer's disease and its

related dementias. The maximum project period is five years.



Single-cell multi-omics of HIV persistence (R01 clinical trial not allowed)

NIH: National Institute of Allergy and Infectious Diseases

This supports basic science research to address outstanding questions in HIV latency and persistence by leveraging state-of-the-art single-cell multi-omics approaches. Grants are worth up to USD 499,999 each per

year for a maximum period of five years.

Closing date: 13 Mar 19

[Link to *Research Professional](#)



Long-acting drug delivery systems for antiretroviral therapy optimisation in HIV-1 infected children (R61/R33 clinical trial not allowed)

NIH: National Institute of Allergy and Infectious Diseases

This supports the early product development of safe and effective long-acting drug delivery systems for improved, simplified treatment of HIV-1 in children. Three to four awards, worth up to USD 3.86m each

for a maximum period of five years, are available.

Closing date: 13 Mar 19

[Link to *Research Professional](#)



Planning for non-communicable diseases and disorders research training programmes in low and middle income countries (D71)

NIH: Fogarty International Center

This announcement supports LMIC institutions with existing research and research training capacity in chronic, non-communicable diseases and disorders, and aims to develop a plan for a research training programme within the LMICs that will further strengthen the capacity of LMIC individuals, institutions and

countries to identify NCD and disorders priorities, and conduct research across the lifespan. Application budgets are worth up to USD 46,000 for a maximum period of one year.

Closing date: 14 Mar 19

[Link to *Research Professional](#)





Gastrointestinal mechanisms contributing to HIV pathogenesis (R01 clinical trial not allowed)

NIH: National Institute of Diabetes and Digestive and Kidney Diseases

This supports interdisciplinary studies on the effects of HIV or its treatment within the gastrointestinal tract. Budgets are

limited to USD 500,00 in direct costs per year for up to five years.

Closing date: 14 Mar 19

[Link to *Research Professional](#)

Human biomolecular atlas programme – rapid implementation of technologies that will accelerate development of a framework for mapping the human body at high resolution (UH3 clinical trial not allowed)

NIH: National Cancer Institute

This supports the rapid and systematic implementation of promising technologies into the human biomolecular atlas programme consortium so that it can proactively adapt to the changing landscape and accelerate

the realisation of its goals. Application budgets are not limited but need to reflect the actual needs of the proposed project.

Closing date: 14 Mar 19

[Link to *Research Professional](#)

Improving outcomes for pediatric, adolescent and young adult cancer survivors (U01 clinical trial required)

NIH: National Cancer Institute

This supports the scientific development of effective, feasible and scalable interventions to address adverse physical and psychosocial effects in survivors of paediatric, or adolescent or young adult cancers. Awards are worth up

to USD 500,000 each per year for a maximum period of five years.

Closing date: 15 Mar 19

[Link to *Research Professional](#)

Young investigator grants

Human Frontier Science Programme

These grants support teams of early career researchers working on innovative approaches to

understand complex mechanisms of living organisms. Grants are worth



up to USD 450,000 per year over up to three years. ***

Closing date: 19 Mar 19 (Forecast)

[Link to *Research Professional](#)

Programme grants

Human Frontier Science Programme

These grants support teams of researchers at any career stage working on innovative approaches to understand complex mechanisms of living organisms. Grants are

worth up to USD 450,000 per year each for up to three years. ***

Closing date: 19 Mar 19 (Forecast)

[Link to *Research Professional](#)

Efficacy and mechanism evaluation programme – researcher-led workstream: 18/170

Department of Health and Social Care including NIHR

This supports studies evaluating interventions that have the potential to make a step-change in the promotion of health, treatment of disease and improvement of rehabilitation or long-term care.

There are no fixed limits on the duration of projects or funding.

Closing date: 19 Mar 19

[Link to *Research Professional](#)

Genetic analysis of non-human animal models to understand the genomic architecture of substance use disorders and addictive behaviours (U01 clinical trial not allowed)

NIH: National Institute on Drug Abuse

This supports the discovery of allelic variants, genomic alterations and functional changes associated with addictive behaviours in non-human animals through systems studies

that employ genetic and genomics strategies. Funding is for up to five years.

Closing date: 19 Mar 19

[Link to *Research Professional](#)

Novel mechanism research on neuropsychiatric symptoms in Alzheimer's dementia (R01 clinical trial optional)

NIH: National Institute of Mental Health

This supports studies that will enhance knowledge of mechanisms

associated with neuropsychiatric symptoms in persons with



HEAL initiative – back pain consortium research programme technology research sites (UH2/UH3 clinical trial optional)

NIH: National Institute of Arthritis and Musculoskeletal and Skin Diseases

This supports research that develops, tests and deploys novel analytic tools, technologies or methods to improve the understanding of mechanisms of chronic low back pain. Funding is provided for exploratory and

implementation activities for a maximum period of five years.

Closing date: 20 Mar 19

[Link to *Research Professional](#)



NCI clinical and translational exploratory or developmental studies (R21 clinical trial optional): AIDS-related

NIH: National Cancer Institute

This supports the development of new exploratory cancer research. The combined budget for direct costs may not exceed USD 275,000.

Closing date: 22 Mar 19

[Link to *Research Professional](#)



HEAL initiative – translational development of devices to treat pain (U18 clinical trial not allowed)

NIH: National Institute of Biomedical Imaging and Bioengineering

This supports preclinical development and demonstration of safe effective and non-addictive device-based technologies and approaches to treat pain. Grants are worth up to USD 500,000 each per

year for a maximum period of three years.

Closing date: 22 Mar 19

[Link to *Research Professiona](#)





Administrative supplements to NIGMS predoctoral training grants for development of curricular or training activities to enhance predoctoral training

NIH: National Institute of General Medical Sciences

These funds are intended to support the development and implementation of curricular or training activities to improve graduate students' research skills.

Grants are worth up to USD 80,000 each.

Closing date: 25 Mar 19

[Link to *Research Professional](#)



Programme development grants – competition 24

Department of Health and Social Care including NIHR

These grants aim to position and equip research teams in submitting a full programme grants for applied research in the future. Grants are

worth up to £100,000 each over up to 18 months. ***

Closing date: 27 Mar 19

[Link to *Research Professional](#)



Strategic alliances for medications development to treat substance use disorders (R01 clinical trial optional)

NIH: National Institute on Drug Abuse

This supports research that advances compounds towards Federal Drug Administration approval by leveraging National Institute on Drug Abuse funds with the strengths and resources of outside organisations, such as for-

profit and not-for-profit entities. Application budgets are worth up to USD 3 million per year for maximum period of three years.

Closing date: 27 Mar 19

[Link to *Research Professional](#)





Grand opportunity in medications development for substance-use disorders (U01 clinical trial optional)

NIH: National Institute on Drug Abuse

This aims to accelerate the development of medication for the treatment of substance-use disorders by encouraging research applications to support a diverse array of preclinical and clinical research projects. Two to three awards per year, each worth up to

USD 5 million per year, are available. The maximum project period is three years.

Closing date: 27 Mar 19

[Link to *Research Professional](#)

Global health research programme – research and innovation for global health transformation

Department of Health and Social Care including NIHR

This supports interdisciplinary applied health research in key areas in low- and middle-income countries where a strategic and targeted investment can have a transformative impact. The total

available budget is £15 million for awards worth between £3m and £5m each over three to four years.

Closing date: 27 Mar 19

[Link to *Research Professional](#)

Device-based treatments for substance use disorders (UG3/UH3 clinical trial optional)

NIH: National Institute on Drug Abuse

This aims to accelerate the development of devices to treat substance use disorders. Budgets are limited to USD 500,000 direct costs for the entire UG3 phase, but are not limited for the UH3 phase. The

project period is limited to two years for the UG3 phase and three years for the UH3 phase.

Closing date: 27 Mar 19

[Link to *Research Professional](#)



National Center for Medical Rehabilitation Research early-career research award (R03 clinical trial optional)

NIH: Eunice Kennedy Shriver National Institute of Child Health and Human Development

This supports both basic and clinical research from rehabilitation scientists who are establishing independent research careers. The combined budget for direct costs for the entire project period may not

exceed USD 200,000. The maximum project period is two years.

Closing date: 29 Mar 19

[Link to *Research Professional](#)



Research to address sleep disorders in the context of medical rehabilitation (R01 clinical trial optional)

NIH: Eunice Kennedy Shriver National Institute of Child Health and Human Development

This supports research on the most effective ways to approach sleep disorders in the context of medical rehabilitation for a primary disorder. Application budgets are limited USD to 499,999 or less in direct costs per fiscal year, and

should reflect the actual needs of the proposed project. The maximum project length is five years.

Closing date: 29 Mar 19

[Link to *Research Professional](#)



Human-animal interaction research (R21)

NIH: Eunice Kennedy Shriver National Institute of Child Health and Human Development

This supports research to examine the impact of human-animal interaction on typical and atypical child development and health, the evaluation of animal-assisted intervention for children and adults with disabilities or in need of rehabilitative services, and the effects of animals on public health, including cost effectiveness of

involving animals in reducing and preventing disease. The combined budget for direct costs may not exceed USD 275,000. No more than USD 200,000 may be requested in any single year.

Closing date: 30 Mar 19

[Link to *Research Professional](#)





Human-animal interaction research (R03 clinical trial optional)

NIH: Eunice Kennedy Shriver National Institute of Child Health and Human Development

This supports research that examines the impact of human-animal interactions and the effects of animals on public health, including cost effectiveness of involving animals in reducing and preventing disease. Direct costs are limited to

USD 50,000 per year for up to two years.

Closing date: 30 Mar 19

[Link to *Research Professional](#)



Human-animal interaction research (R01 clinical trial optional)

NIH: Eunice Kennedy Shriver National Institute of Child Health and Human Development

This supports research to examine the impact of human-animal interaction on typical and atypical child development and health, the evaluation of animal-assisted intervention for children and adults with disabilities or in need of rehabilitative services, and the

effects of animals on public health. Budgets are limited to USD 499,999 in direct costs per year. The maximum project period is five years.

Closing date: 30 Mar 19

[Link to *Research Professional](#)



APRIL

Administrative supplements for advancing computational modelling and data analytics relevant to mental health

NIH: National Institute of Mental Health

These support the addition of computational approaches for interpreting mental health-relevant data. Supplement budgets are each worth up to USD 100,000 for a maximum duration of one year.

Closing date: 01 Apr 19

[Link to *Research Professional](#)



Programme grants for applied research, competition 29 – frailty themed call

Department of Health and Social Care including NIHR

This supports research teams in England to improve health outcomes in the priority area of frailty. Awards are usually worth up to £2.5 million each over six years.

Closing date: 03 Apr 19

[Link to *Research Professional](#)



Tobacco use and HIV in low- and middle-income countries (R21 clinical trial optional)

NIH: National Cancer Institute

This supports exploratory or developmental research focused on tobacco use and human immunodeficiency virus infection in LMICs. Applications budgets are

limited to USD 275,000 for up to two years.

Closing date: 04 Apr 19

[Link to *Research Professional](#)



Tobacco use and HIV in low- and middle-income countries (R01 clinical trial optional)

NIH: National Cancer Institute

This supports research focused on tobacco use and human

immunodeficiency virus infection in low- and middle-income countries.



proposed project. The maximum project period is five years.

Closing date: 04 Apr 19

[Link to *Research Professional](#)

Leveraging cognitive neuroscience to improve assessment of cancer treatment-related cognitive impairment (R21 clinical trial optional)

NIH: National Cancer Institute

This encourages transdisciplinary research that leverages cognitive neuroscience to improve traditional measurement of cognitive impairment following cancer treatment, often referred to as

chemobrain. Grants are worth USD 275,000 each for up to two years.

Closing date: 11 Apr 19

[Link to *Research Professional](#)

Leveraging cognitive neuroscience to improve assessment of cancer treatment-related cognitive impairment (R01 clinical trial optional)

NIH: National Cancer Institute

This encourages transdisciplinary research that leverages cognitive neuroscience to improve traditional measurement of cognitive impairment following cancer treatment, often referred to as

chemobrain. The maximum project period is five years.

Closing date: 11 Apr 19

[Link to *Research Professional](#)

Predicting behavioural responses to population-level cancer control strategies (R21 clinical trial optional)

NIH: National Cancer Institute

This supports research that identifies individual influences on the effectiveness of population-level strategies that target cancer-related behaviours. The combined budget for direct costs for the two-year

project period may not exceed USD 275,000.

Closing date: 11 Apr 19

[Link to *Research Professional](#)



Fundamental mechanisms of affective and decisional processes in cancer control (R01 clinical trial optional)

NIH: National Cancer Institute

This supports projects aiming to generate fundamental knowledge of affective processes in cancer control. Application budgets are not limited but need to reflect the actual needs of the proposed project. The

maximum project period is five years.

Closing date: 11 Apr 19

[Link to *Research Professional](#)

Administrative supplements for research on dietary supplements (admin supp clinical trial not allowed)

NIH: National Institutes of Health

This supports research in which the supplemental funding would investigate the role of dietary supplements or their ingredients in health maintenance and disease prevention. Application budgets are limited to USD 100,000 and must not

exceed the amount of the current parent award.

Closing date: 15 Apr 19

[Link to *Research Professional](#)

Opportunities for collaborative research at the NIH Clinical Center (U01 clinical trial optional)

NIH: Eunice Kennedy Shriver National Institute of Child Health and Human Development

These support collaborative translational research projects aligned with NIH efforts to enhance the translation of basic biological discoveries into clinical applications that improve health. Grants are

worth up to USD 500,000 each per year over five years.

Closing date: 15 Apr 19

[Link to *Research Professional](#)

Evaluating the NIDA standardised research e-cigarette in risk reduction and related studies (U01 clinical trial optional)

NIH: National Institute on Drug Abuse

This supports research evaluating electronic cigarettes as a potential

means of reducing the risks associated with combustible tobacco



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

Closing date: 24 Apr 19

[Link to *Research Professional](#)



Global Challenges Research Fund – global maternal and neonatal health funding call 2019

Medical Research Council

This supports projects that address the burden of maternal and neonatal mortality and morbidity in low- and middle-income countries. The total budget is up to £10 million for 10 to 15 research grants of up to three

years in duration and seed-funding grants of up to £100,000 and up to one year's duration.

Closing date: 24 Apr 19

[Link to *Research Professional](#)

