



Happy New Year, 2022!

PC: Bidisha Nath

Hello campus researchers!

This new year brings in the excitement of charting out new journeys under the umbrella of the ongoing pandemic. We hope you have a peaceful, happy, healthy and a productive 2022 despite these challenges!

The ORG congratulates Prof. Vishnu Mahadeva Iyer, Department of Electrical Engineering for securing the SERB Start-up Grant, and Prof Ganapathy Ayappa, Department of Chemical Engineering for the SERB Core Research Grant. Both grants were routed through the ORG and we are happy to have been a part of this process. Hearty congratulations!

With best wishes,
ORG Team.

✉ For queries, write to us at office.org@iisc.ac.in

🌐 For more information, visit <https://org.iisc.ac.in/>

🐦 Follow us [@ORGIIsc](https://twitter.com/ORGIIsc)

STUDENT FELLOWSHIPS

[Alexander von Humboldt Foundation International Climate Protection Fellowship](#)

Overview: Fellowship for prospective leaders and postdocs with a research focus on combating climate change, adaptation strategies, preserving ecosystems and biodiversity.

Submission Deadline: 1 February, 2022.

UPCOMING DEADLINES

FEBRUARY 2022						
S	M	T	W	T	F	S
		<u>1</u>	2	<u>3</u>	<u>4</u>	<u>5</u>
6	<u>7</u>	<u>8</u>	<u>9</u>	10	<u>11</u>	12
13	14	<u>15</u>	<u>16</u>	<u>17</u>	18	19
20	21	<u>22</u>	23	<u>24</u>	25	26
<u>27</u>	<u>28</u>					

RESEARCH GRANTS

[The Prince Bernhard Nature Fund \(PBNF\) Call for Proposals](#)

Overview: Support projects with a special focus to save critically endangered flora and fauna in the tropical and subtropical regions of Africa, Asia, Latin America, and the Pacific/Oceania.

Submission Deadline: 1 February, 2022.

[SERB International Research Experience \(SIRE\) Program](#)

Overview: An opportunity for scientists/faculty in frontier areas of science and technology to visit leading institutions/universities across the globe for a period of 2-6 months.

Submission Deadline: 3 February, 2022.

[Unifor The Minor Foundation for Major Challenges](#)

Overview: Supports communication projects that advance a transition to low carbon economies.

Submission Deadline: 4 February, 2022.

[WHO Call for Proposals: Health policy and systems research responding to the climate crisis](#)

Overview: Supports studies at the national or sub-national levels on how health systems respond to climate crisis.

Submission Deadline: 6 February, 2022.

[BIRAC Biotechnology Ignition Grant \(BIG\) Scheme-20th call for proposals](#)

Overview: BIG supports individual entrepreneurs/ start-ups from ideation to Proof of Concept (PoC).

Submission Deadline: 15 February, 2022.

[ICMR the Call for Ad-hoc Research Proposals - Reproducible AI in Medicine and Health](#)

Overview: The call seeks proposals for AI tool development that includes Machine learning (ML), natural language processing (NLP), speech recognition, computer vision and/or automated reasoning techniques/clinical validation of AI technology.

Submission Deadline: 22 February, 2022.

[The Private Financing Advisory Network \(PFAN\) support for climate change & clean energy](#)

Overview: Mobilizes private sector investment to bridge the gap between entrepreneurs and investors through matchmaking for clean energy and climate change adaptation and mitigation.

Submission Deadline: 27 February, 2022.

[Global EbA Fund](#)

Overview: To identify gaps in adaptation and resilience projects using ecosystem-based adaptation approaches.

Submission Deadline: 28 February, 2022.

BILATERAL RESEARCH GRANTS

[NIH Understanding the Role of Bilingualism in Cognitive Reserve/Resilience in Aging and AD/ADRD](#)

Overview: To address the need for prospective, hypothesis-driven research for a theoretical framework, and study the effects of bilingualism on human brain function.

Submission Deadline: 1 February, 2022.

[NIH Cell-Specific Impact of Liquid-Liquid Phase Separation in Aging and AD/ADRD](#)

Overview: To identify cell-specific mechanisms in biomolecular condensate (BMC) formation, function, and information on their role in Alzheimer's disease (AD) or AD-related dementias (ADRD).

Submission Deadline: 1 February, 2022.

[NIH Role of Astrocytes in Degeneration of the Neurovascular Unit in AD/ADRDs](#)

Overview: Invites proposals in basic research on the mechanisms of reactive astrogliosis that contribute to cognitive impairment and dementia.

Submission Deadline: 4 February, 2022.

[NIH Investigator Initiated Research in Computational Genomics and Data Science](#)

Overview: Invites applications for research in computational genomics, data science, statistics, and bioinformatics in human health and disease.

Submission Deadline: 5 February, 2022.

[NIH Research Project Grant](#)

Overview: This grant supports a discrete, specified, circumscribed project representing specific interests and competencies of the investigator(s) and programmatic interests of NIH institutes and centres.

Submission Deadline: 5 February, 2022.

[NIH NIDCD Low Risk Clinical Trials in Communication Disorders](#)

Overview: Supports investigator initiated low risk clinical trials that address the mission and research interests of NIDCD.

Submission Deadline: 5 February, 2022.

[NIH Understanding and Modifying Temporal Dynamics of Coordinated Neural Activity](#)

Overview: Supports projects that test the effects of modifying electrophysiological patterns to improve cognitive, affective, or social processing using experimental designs which include active manipulations.

Submission Deadline: 5 February, 2022.

[NIH NeuroNEXT Clinical Trials](#)

Overview: Invites applications for exploratory clinical trials of investigational agents (drugs, biologics, surgical therapies, or devices) for biomarker validation studies.

Submission Deadline: 5 February, 2022.

[NIH Academic-Industrial Partnerships for Translation of Technologies for Diagnosis and Treatment](#)

Overview: To translate scientific discoveries and engineering developments into methods/tools that address problems in basic and applied research to manage diseases.

Submission Deadline: 5 February, 2022.

[NIH Pediatric Immune System - Ontogeny and Development \(INTEND\)](#)

Overview: Supports research to correlate immune system development patterns across different age groups, and understand the impact of infectious diseases, microbiome, and environmental factors on ontogeny.

Submission Deadline: 5 February, 2022.

[NIH Mood and Psychosis Symptoms during the Menopause Transition](#)

Overview: To advance mechanistic and translational research on underlying neurobiological and behavioral mechanisms of mood disruption and psychosis during the menopausal transition.

Submission Deadline: 5 February, 2022.

[NIH Modulating Human Microbiome Function to Enhance Immune Responses Against Cancer](#)

Overview: Supports basic research that elucidates mechanisms by which the human microbiome inhibits/enhances anti-tumor immune responses which help identify novel molecular targets for cancer prevention strategies.

Submission Deadline: 5 February, 2022.

[NIH NINDS Exploratory Clinical Trials](#)

Overview: To address questions within the mission and research interests of NINDS that evaluate drugs, biologics, and devices, as well as surgical, behavioral and rehabilitation therapies.

Submission Deadline: 5 February, 2022.

[NIH Innovative Screening Approaches and Therapies for Screenable Disorders in Newborns](#)

Overview: To develop novel screening approaches/therapeutic interventions for potentially fatal/disabling conditions identified through newborn screening.

Submission Deadline: 5 February, 2022.

[NIH Drug Discovery for Nervous System Disorders](#)

Overview: Supports the discovery of novel compounds for the prevention and treatment of nervous system disorders.

Submission Deadline: 5 February, 2022.

[NIH Basic Research in Cancer Health Disparities](#)

Overview: Invites applications for research efforts in computational genomics, data science, statistics, and bioinformatics relevant to basic or clinical genomic science, and applicable to human health and disease.

Submission Deadline: 5 February, 2022.

[NIH Basic Neurodevelopmental Biology of Circuits and Behavior](#)

Overview: Encourages projects focused on mechanistic links between the maturation of brain circuits and behaviors across development in rodents and non-human primates.

Submission Deadline: 5 February, 2022.

[NIH Ocular Surface Innervation from Cell Types to Circuit Functions](#)

Overview: To identify and support collaborative projects that comprehensively delineate ocular surface innervations ranging from corneal sensation to pain circuits and tearing reflexes.

Submission Deadline: 7 February, 2022.

[NIH Cutting-Edge Basic Research Awards](#)

Overview: To foster innovative or conceptually creative research in the etiology, pathophysiology, and the prevention/ treatment of substance use disorders (SUDs).

Submission Deadline: 8 February, 2022.

[NIH NINDS Efficacy Clinical Trials](#)

Overview: To address questions within the NINDS mission

and evaluate drugs, biologics, and devices, as well as surgical, behavioral and rehabilitation therapies.

Submission Deadline: 9 February, 2022.

[NIH Autoantigens and Neoantigens Function in the Etiology and Pathophysiology of Type 1 Diabetes](#)

Overview: Encourage applications proposing the characterization of neoepitopes functions and neoantigens in Type 1 diabetes.

Submission Deadline: 9 February, 2022.

[NIH Clinical Relevance of the Linkage between Environmental Toxicant Exposures and Alzheimer's Disease and Related Dementias](#)

Overview: Supports mechanistic and early translational research on the potential interactions of environmental toxins with genetic and non-genetic molecular targets that influence Alzheimer's Disease and Alzheimer's Disease Related Dementias (AD/ADRD).

Submission Deadline: 11 February, 2022.

[U.S.- India Science and Technology Endowment Fund Call for Ignition Grants Technology-based Energy Solutions: Innovations for Net Zero](#)

Overview: To address climate and clean energy challenges in focus areas related to Next generation Clean and Renewable Energy, Energy Storage, and Carbon Sequestration.

Submission Deadline: 15 February, 2022.

[NIH Small Research Grant Program](#)

Overview: Supports projects including pilot and feasibility studies that can be carried out for short periods of time with limited resources.

Submission Deadline: 16 February, 2022.

[Joint NINDS/NIMH Exploratory Neuroscience Research Grant](#)

Overview: Supports early and conceptual stages of projects in the missions of the NINDS and NIMH.

Submission Deadline: 16 February, 2022.

[NIH Secondary Analysis and Integration of Existing Data to Elucidate the Genetic Architecture of Cancer Risk and Related Outcomes](#)

Overview: Supports research on secondary data analysis and integration of existing datasets and database resources to elucidate the genetic architecture of cancer risk, and their related outcomes.

Submission Deadline: 16 February, 2022.

[NIH Pilot Studies of Biological, Behavioral and Social Mechanisms Contributing to HIV Pathogenesis Within the Mission of the NIDDK](#)

Overview: Invites applications for innovative basic and translational pilot research projects in the NIDDK mission that align with NIH HIV/AIDS research priorities.

Submission Deadline: 16 February, 2022.

[NIH NEI Regenerative Medicine Clinical Trial Planning Grant](#)

Overview: Supports regenerative medicine clinical trials.

Submission Deadline: 16 February, 2022.

[NIH Pilot Health Services and Economic Research on the Treatment of Drug, Alcohol, and Tobacco Use Disorders](#)

Overview: Encourages pilot and preliminary research in the preparation of effectiveness trials for larger-scale services research.

Submission Deadline: 16 February, 2022.

[NIH Mechanisms of Alcohol Tolerance](#)

Overview: Supports research on cellular, molecular or network mechanisms to develop quantitative models that predict tolerance to alcohol and progression to disorders.

Submission Deadline: 16 February, 2022.

[NIH Pilot and Feasibility Studies in Preparation for Substance Use Prevention Trials](#)

Overview: Encourages theoretically driven feasibility research for development and testing of new/adapted interventions in substance use, and addresses other service system-based research.

Submission Deadline: 16 February, 2022.

[NIH Utilizing Invasive Recording and Stimulating Opportunities in Humans to Advance Neural Circuitry Understanding of Mental Health Disorders](#)

Overview: Supports research to address knowledge gaps in neural circuit function in mental health disorders.

Submission Deadline: 16 February, 2022.

[NIH Imaging - Science Track Award for Research Transition \(I/START\)](#)

Overview: To facilitate the entry of newly independent and established investigators to areas of neuroimaging, and adopt methodologies to conduct small "proof of concept" studies.

Submission Deadline: 16 February, 2022.

[NIH Neuromodulation/Neurostimulation Device Development for Mental Health Applications](#)

Overview: To develop the next generation of brain stimulation devices treating mental health disorders.

Submission Deadline: 16 February, 2022.

[NIH Innovative Screening Approaches and Therapies for Screenable Disorders in Newborns](#)

Overview: Encourages the development of novel screening approaches and/or therapeutic interventions for fatal or disabling conditions identified through newborn screening.

Submission Deadline: 16 February, 2022.

[NIH Drug Discovery for Nervous System Disorders](#)

Overview: Supports discovery of novel compounds for the prevention and treatment of nervous system disorders.

Submission Deadline: 16 February, 2022.

[NIH Basic Neurodevelopmental Biology of Circuits and Behavior](#)

Overview: Supports projects focused on the dynamic and mechanistic links between maturation of brain circuits and behaviors across development in rodents and non-human primates.

Submission Deadline: 16 February, 2022.

[NIH Ethical, Legal and Social Implications \(ELSI\) Exploratory/Developmental Research Grant](#)

Overview: Funding to study the ethical, legal, and social implications (ELSI) of human genome research.

Submission Deadline: 17 February, 2022.

[NIH New Technologies for the In vivo Delivery of Gene Therapeutics for an HIV Cure](#)

Overview: To support research on the development and validation of innovative strategies to deliver anti-HIV gene therapies that specifically target cells in-vivo.

Submission Deadline: 17 February, 2022.

[NIH-NCI Small Grants Program for Cancer Research for Years 2020, 2021, and 2022](#)

Overview: Supports small research projects on cancer that may be carried with limited resources including pilot and feasibility studies.

Submission Deadline: 24 February, 2022.

[NIH Home and Community-Based Physical Activity Interventions to Improve the Health of Wheelchair Users](#)

Overview: Supports applications to develop, adapt and test physical activity interventions for individuals who use wheelchairs.

Submission Deadline: 28 February, 2022.

[NIH Elucidating the Role of Nutrition in Care and Development of Preterm Infants](#)

Overview: To address priority gaps in understanding the role of nutrition in development and care of pre-term infants.

Submission Deadline: 28 February, 2022.

[NIH Promoting Reproductive Health for Adolescents and Adults with Disabilities](#)

Overview: To address gaps in our understanding of best practices for promoting reproductive health from adolescence to adulthood for persons with disabilities.

Submission Deadline: 28 February, 2022.

TRAVEL GRANTS POST DOC STUDENTS

[MDPI 2022 Travel Award for junior scientists](#)

Overview: Financial support for an award winner to attend and present at an international conference on climate science scheduled in 2022.

Submission Deadline: 28 February, 2022.