Engineering Research Transforming Our World

Research Funding Opportunities

Organization: NSF
Solicitation Name: Environmental Engineering Proposal
Deadline: Open
Summary: The goal of the Environmental Engineering program is to support potentially transformative fundamental research that applies scientific and engineering principles to 1) prevent, minimize, or re-use solid, liquid, and gaseous discharges of pollution to soil, water, and air by closing resource loops or through other measures; 2) mitigate the ecological and human-health impacts of such releases by smart/adaptive/reactive amendments or manipulation of the environment, and 3) remediate polluted environments through engineered chemical, biological, and/or geo-physical processes. Areas of interest include: 1) Build a future without pollution or waste; 2) Sustainable supply and protection of water; 3) Environmental chemistry, fate, and transport of nutrients and contaminants of emerging concern in air, water, soils, and sediments; and Environmental engineering of the built environment
Link: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505692

Organization: NIH
Solicitation Name: NOSI Development and/or Validation of Devices or Electronic Systems to Monitor or Enhance Mind and Body Interventions (SBIR/STTR)
Proposal Deadline: January 2022
Summary: The National Center for Complementary and Integrative Health (NCCIH) is committed to the rigorous investigation of mind and body interventions (MBIs) to determine their usefulness and safety. Through this Notice of Special Interest (NOSI), NCCIH supports cutting-edge Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) grant applications from small business concerns that will develop and/or validate devices or electronic systems that can: 1) monitor biologically or behaviorally based processes applicable to MBIs or 2) be used in optimizing the practice or increasing the efficacy of MBIs. The applications should: 1) lead to the development of new technologies, 2) adapt existing innovative technologies, devices, and/or electronic systems, 3) repurpose existing devices and electronic systems, or 4) conduct testing of single or combined components of an integrated, long-term, automated, wearable stimulation device or electronic system to monitor or enhance the mechanistic processes or functional outcomes of MBIs. For the purposes of this NOSI, MBIs are nonpharmacologic approaches that include mind/brain focused interventions (e.g., meditation, mindfulness, hypnosis, art/music) or combined mind and body treatment.
(e.g., acupuncture, massage, spinal manipulation/mobilization) or meditative movement practices (e.g., yoga, tai chi, qi gong).


**Organization:** DOC

**NOAA Solicitation Name:** Proposal Deadline: LOI August 09, 2021 and Full October 18, 2021

**Summary:** Climate variability and change present society with significant economic, health, safety, and security challenges. As part of the National Oceanic and Atmospheric Administration (NOAA) climate portfolio within the Office of Oceanic and Atmospheric Research (OAR), the Climate Program Office (CPO) addresses these climate challenges by managing competitive research programs through which high-priority climate science, assessments, decision-support research, outreach, education, and capacity-building activities are funded to advance our understanding of the Earth’s climate system, and to foster the application and use of this knowledge to improve the resilience of our Nation and its partners. Through this announcement, CPO is seeking applications for eight individual competitions in FY22. Several of these competitions are relevant to four high-priority climate risk areas CPO is focusing on to improve science understanding and/or capabilities that result in user-driven outcomes: Coastal Inundation, Marine Ecosystems, Water Resources, and Extreme Heat.

Link: [https://www.grants.gov/web/grants/view-opportunity.html?oppId=334633](https://www.grants.gov/web/grants/view-opportunity.html?oppId=334633)