Sleep - Open Grant Opportunities

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<td>National Institutes of Health</td>
<td>Research To Address Sleep Disorders in the Context of Medical Rehabilitation (R01)</td>
<td>3/30/2018</td>
<td>Patients with many disabilities report problems sleeping, but specific sleep disorders are often not diagnosed. Because sleep affects many physiological and behavioral parameters, sleep disorders should be diagnosed and appropriately treated to maximize benefit of rehabilitation. Research is needed on ways to best approach this complexity in the context of medical rehabilitation for a primary, nonsleep disorder.</td>
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| DoD, United States Army Medical Research Acquisition Activity | US Special Operations Command Broad Agency Announcement | 4/14/2018 | Human Operational Performance  
a. Sleep Restoration: The proposed project should research, apply and/or develop novel approaches to achieve the restorative effects of sleep through methods requiring less time (i.e. you get the effects of sleeping eight hours in four hours of time) or enabling the SOF operator to quickly reach the stages of sleep where highest restoration effects occur.  
b. Enhanced Physiological & Mental Performance: Develop technologies to maximize the physiological performance of operators, including greater mental acuity, increased endurance, enhanced senses, and tolerance to environmental extremes, in order to maintain operational posture/ability in high stress scenarios without noticeable augmentation and without hampering personnel mobility.  
c. Diagnostics for Performance Sustainment: The proposed project should research, apply and/or develop salivary diagnostic devices to provide genetic prediction of injury, response to training, and response to performance enhancement interventions.  
d. Nutritional Status: The proposed project should research and/or apply methods to accurately measure nutritional status in SOF operators. The proposed project should focus on cost effectiveness, accuracy and end-user compatibility (user friendly) methods or devices for identifying an individual’s nutrient status.  
e. Pharmaceutical and Nutritional Supplement Interactions: The proposed project should research, apply and/or develop novel approaches to determining what, if any meaningful interactions occur between and among SOF-common medications (OTC or Rx) and commonly ingested and commercially available nutritional supplements.  
f. Optimal Performance Strategy: The proposed project should research, apply and/or develop novel approaches that provide rapid and sustainable human performance for austere environments and/or the SOF training calendar.  

It is estimated that approximately $3million is available for this BAA.  
Pre-Proposal narrative – 6 pages  
Third Cycle Submissions – Pre-applications due April 14, 2018. | 506 |
The purpose of this Funding Opportunity Announcement (FOA) is to promote research to understand the underlying mechanisms of sleep deficiencies among health disparity populations and how sleep deficiencies may lead to disparities in health outcomes. The overall objective of this initiative to support research to 1) understand the underlying social, cultural, environmental or biological factors contributing to sleep deficiencies among minority and health disparity populations and 2) how sleep deficiencies may lead to disparities in health outcomes.

In addition, research on how quality of sleep and excess sleep affect health and how differences in sleep quality may lead to health disparities, is of interest.

Projects should include a focus on one or more NIH-designated health disparity populations (HD populations) in the United States, which include Blacks/African Americans, Hispanics/Latinos, American Indians/Alaska Natives, Asian Americans, Native Hawaiians and other Pacific Islanders, socioeconomically disadvantaged populations, sexual and gender minorities and underserved rural populations.

This funding opportunity announcement (FOA) encourages exploratory /developmental research grant applications (R21) to investigate the fundamental science of mind and body approaches, including mind/brain-focused practices (e.g., meditation, hypnosis), body-based approaches (e.g., acupuncture, massage, spinal manipulation/mobilization), meditative exercise (e.g., yoga, tai chi, qi gong), art and music therapies, or integrative approaches combining several components. Studies of pharmacologic approaches exclusively are not included in the scope of this FOA.

This Funding Opportunity Announcement (FOA) encourages research grant applications (R01) to investigate the fundamental science of mind and body approaches, including mind/brain-focused practices (e.g., meditation, hypnosis), body-based approaches (e.g., acupuncture, massage, spinal manipulation/mobilization), meditative exercise (e.g., yoga, tai chi, qi gong), art and music therapies, or integrative approaches combining several components. Studies of pharmacologic approaches exclusively are not included in the scope of this FOA.