Harvard Translational Research in Aging Training Program

2021 Postdoctoral Positions in Translational Aging Research

We are expecting our renewal application for the NIA funded Institutional Research Training Grant titled, "Harvard Translational Research in Aging Training Program" to be be funded as of 5/1/2021. We are anticipating three two year postdoctoral positions to be available. Funding would begin sometime between May 1, and September 1, 2021. _Applicants must be U.S. citizens or permanent residents at the time of application._

This funding supports salary, mentored research activities, coursework, and seminars. Trainees may also apply for loan forgiveness. Areas of research span basic science, clinical and health care topics in aging and include:

- Mechanisms and preventive interventions for falls and mobility impairments (e.g. transcranial direct current stimulation and Tai Chi exercises)
- Vascular aging and blood pressure regulation
- Epidemiology, genomics/bioinformatics, imaging and nutritional aspects of bone and muscle
- Gait and balance
- Cerebrovascular pathophysiology and imaging
- Palliative Care / Health Policy / Shared Decision Making
- Delirium measurement, pathophysiology, and interventions
- Blood-brain barrier and neuroinflammation in Alzheimer's disease and related disorders
- Predicting functional outcomes
- Diseases in older Adults: Dementia, Alzheimer's Disease, Diabetes, Parkinson's, Cardiovascular Disease, Osteoarthritis
- Biology of Aging
- Gut Microbiome
- Spinal degeneration, osteoarthritis, disc disease, hyperkyphosis, vertebral fracture
- Frailty assessment to improve outcomes of drug therapy and surgical procedures
- Design, monitoring, and analysis of clinical trials in aging
- Data science and software development as applied to observational and interventional science in aging

Applications require a mentor and are due Monday April 26, 2021. For application guidelines and form please visit: https://www.marcusinstituteforaging.org/resources/harvard-translational-research-aging-training-program

Trainees will have the opportunity to participate in the **Advanced Aging Research Training Seminar Series (AARTSS)** The main objective of AARTSS is to provide practical instruction to trainees conducting aging-related research at the Division of Gerontology at Beth Israel Deaconess Medical Center, the Harvard Multi-campus Geriatric Medicine fellowship program, the Hinda and Arthur Marcus Institute for Aging Research at Hebrew SeniorLife (HSL), and throughout the Harvard Medical School community. Both faculty and participants represent a diversity of research areas that include biological, physiological, patient-oriented, and epidemiologic research. Thus, another goal of AARTSS is to provide a venue for cross-fertilization of ideas among investigators conducting aging-related research in various disciplines. Model AARTSS Curriculum