2025 Translational Research in Aging, Postdoctoral Research Program
Letter of Intent Guidelines

Applications require a mentor.
For those without a mentor and/or a clearly defined project, please send a **letter of intent** so we can help match you to a mentor who can help you define a research project.

If you already have a mentor or are a third year applicant, a letter of intent is not required.

1. **Letters of intent are due Friday, November 15, 2024 at 5pm.**
   Please email letter to T32IFAR@hsl.harvard.edu

   Letters should include:
   - Area of interest and potential project title
   - CV or NIH Biosketch
   - Expected start date between 5/1/25-09/30/25.
   - Name of mentor or lab within the HMS community (include affiliated hospitals) that you are interested in working with (feel free to go to the Harvard Catalyst website for further information)

Areas of research include the following:
- Mechanisms and preventive interventions for falls and mobility impairments (e.g. transcranial direct current stimulation, devices, and senolytic drugs) (Manor, Lipsitz)
- Gait and balance (Manor, Lipsitz)
- Vascular aging and blood pressure regulation including cerebrovascular pathophysiology and imaging (Lipsitz, Manor)
- Epidemiology, omics/bioinformatics, microbiome, imaging, biomechanics, and nutritional aspects of bone, joint, and muscle (Kiel, Samelson, Sahni, Berry, Yau, Bouxsein)
- Spinal degeneration, osteoarthritis, disc disease, hyperkyphosis, vertebral fracture (Samelson)
- Vascular aging and the skeleton (Samelson)
- Pharmacoepidemiology and trials in long term care (Berry)
- Frailty and outcomes of drug therapy, surgical procedure, and health services (Kim)
- Palliative Care / Health Policy / Shared Decision Making (Mitchell, Ritchie)
- Delirium measurement, pathophysiology, and interventions (Inouye, Marcantonio, Vasunilashorn)
- Diseases in older Adults: Dementia, Alzheimer's Disease, Diabetes, Parkinson's, Cardiovascular Disease, Osteoarthritis, Osteoporosis (Lipsitz, Pascual-Leone, Samelson, Manor, Kiel, Sahni, Berry, Yau, Hyman, Goldstein)
- Biology of Aging (Sinclair, Lipsitz, Kiel)
- Data science and software development as applied to observational and interventional science in aging (Travison)
- Integrative therapies for older adults (Wayne)

If you have any questions, please feel free to contact Kathy Tasker at Kathytasker@hsl.harvard.edu