



Post-Doctoral Research Fellow

GENERAL SUMMARY/ OVERVIEW STATEMENT:

The [McCance Center for Brain Health](#) in the Department of Neurology at the Massachusetts General Hospital (MGH) is a Harvard-affiliated Center in Boston well-poised to the discovery of novel tools and interventions that promote brain health. Our mission is to maximize brain health, optimize mental vitality, and prevent age-related brain disease. The McCance Center Clinical Trials Unit (CTU) is building capacity for conducting state-of-the-art interventions ranging from small compounds, repurposed drugs and natural products to multi-domain lifestyle interventions for the prevention of neurological disorders (i.e., Alzheimer's and Parkinson's disease, vascular dementia, etc). The McCance Center Brain Nutrition Laboratory (BNL) is hiring a Post-Doctoral Research Fellow in Brain Nutrition to leverage existing datasets to identify modifiable risk factors for mitigation through interventional studies in high-risk populations. Current McCance Center faculty, staff, and affiliates are interdisciplinary, including expertise in nutrition, genetics, neurology, psychiatry, exercise, sleep, data sciences, clinical, epidemiological and basic research. We are looking for a Research Fellow with interests in growing and developing expertise in nutritional neuroscience to join our team.

PRINCIPAL DUTIES AND RESPONSIBILITIES:

- Leverage existing datasets with blood, CSF, neuroimaging biomarkers, and post-mortem human brain tissue available for clinical research.
- Conduct longitudinal statistical analysis of repeated measures of brain health, disease incidence, and dimension reduction techniques applied to exposure and outcome measures in nutrition and neurology.
- Draft technical reports of research findings for peer review publication in appropriate journals.
- Develop grant proposals with suitable preliminary studies sections to compete for federal, foundation and industry research grants.

SKILLS & COMPETENCIES REQUIRED:

Candidates will have attained a Doctoral degree (i.e., PhD, ND, MD, ScD, or equivalent per NIH definition) in areas that may include nutritional neuroepidemiology, medicine, epidemiology, or nutritional biochemistry/biology with experience in human investigations.

- Clinical research experience including clinical trials or epidemiological studies in aging and Alzheimer's disease.
- Independent in the statistical analysis of longitudinal biomarker studies in aging and dementia
- Early indication of publications leveraging existing datasets, preferably using biomarkers is an asset
- Recruitment success of research participants is an asset.
- Signs of early funding success is an asset
- Aspiration to publish impactful peer-reviewed scientific articles leading to successful career development award

EDUCATION:

- Scientific Doctoral degree (i.e., PhD, ScD, or equivalent) in areas including nutritional epidemiology, molecular epidemiology, medicine, nutritional biochemistry/biology with experience in human investigations.
- Clinical Doctoral degree (i.e., MD, ND, or equivalent) in medicine with MPH in epidemiology and biostatistics will be considered.

FURTHER INFORMATION: [Apply Here](#)