Post-doctoral Fellowship in 'OMICs' and Data Science Approaches to Alzheimer's Disease Drug Discovery

The Clinical and Translational Neuroscience Section in the Intramural Program of the National Institute on Aging (NIA) is seeking applicants for post-doctoral research fellowships. Our current work has a major emphasis on understanding the metabolic basis of Alzheimer's disease (AD) pathogenesis using quantitative metabolomics of brain and blood tissue samples. We employ several computational methodologies (i.e., biostatistical, epidemiologic, computer science) on large longitudinal clinical, neuroimaging, cognitive, and metabolomic/proteomic/transcriptomic datasets to identify potential AD drug targets. We are also testing in-silico approaches to drug discovery in AD using analyses of large Electronic Health Record (EHR) datasets. We are additionally pursuing validation of candidate AD drugs using in-vitro phenotypic screening and in-vivo testing in experimental models.

The ideal candidate will have excellent quantitative analytical skills with experience in analyses of 'OMICs' data, an interest in bio-informatics approaches to analyses of 'OMICs' data, or an interest in, in-silico approaches to drug discovery. Excellent writing skills are preferred.

The link below provides details on our work:

http://www.irp.nia.nih.gov/branches/lpc/ctnu.htm

Please contact the Lab Chief, Madhav Thambisetty MD, PhD at

thambisettym@mail.nih.gov

In your letter, please include:

1. A full CV with a statement of research interests and career goals.
2. Contact details of three references who can comment on your analytical expertise and writing skills.

We offer 1) the opportunity to publish extensively in high-impact journals in the medical science fields and 2) collaboration and support in analytic and neuroscience fields within the lab and across the NIA. Salary is commensurate with other fellowship opportunities, and the position is renewable up to 5 years.

DHHS and NIH are Equal Opportunity Employers. The NIH is dedicated to building a diverse community in its training and employment programs.