

Employer

Intramural Research Program, National Institute on Aging

Location

Baltimore, MD

Principal Investigator

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Contact

Applications should include curriculum vitae and the names and contact information for three references.

Description

The Intramural Research Program of the National Institute on Aging program uses a wide range of approaches and methods to characterize and investigate mechanisms of aging, clinical questions relevant to aging populations, and public health approaches to reduce the burden of disease in older persons. The Laboratory of Epidemiology and Population Sciences and the Laboratory of Genetics and Genomics in the IRP are seeking a post-doctoral candidate to participate in research on the gene-environment interactions associated with Alzheimer's disease (AD). Research is based on a newly initiated large case-control study conducted by the CONSIGLIO NAZIONALE DELLE RICERCHE in collaboration with NIA and is embedded in the ongoing SardiNIA Study of Aging started in 2001 (<https://sardinia.nia.nih.gov/>).

This joint Fellowship is aimed to train cross-discipline researchers in the fields of Epidemiology and Population Genetics, with an emphasis on understanding gene/environment interactions and mechanisms that may lead to Alzheimer's disease. Together with a multi-disciplinary team of Mentors, the successful candidate will design, analyze and report for publication studies that provide insight into how genes, and their downstream products may interact with the environment to increase [or decrease] vulnerability to AD. Areas of specific interest include the role of genotypic and phenotypic inflammatory, cardiovascular and lipid traits in relationship to initiation and progression of AD. The candidate will also participate in the NIA-sponsored planning and monitoring of the study progress in data collection. This research is conducted within collaborative networks of international researchers..

Requirements

Applicants must have a Ph.D. or equivalent degree in Epidemiology, Statistical genetics, Biostatistics, Computational biology, or another related field. A background in clinical neuroscience, neuropsychology, or vascular disease is desirable.

Successful applicants are expected to demonstrate a high level of independence, and abilities to learn new approaches and techniques; to think creatively about their research; and to work within an international and multi-disciplinary group.