Post-doc Position in Genetic Association Studies of Human Health, Aging, and Lifespan

Availability: Immediately

An exciting research opportunity is available at the Biodemography of Aging Research Unit, Social Sciences Research Institute, Duke University for a National Institute on Aging (NIA) funded project.

Our research team is looking for an open-minded and talented post-doc who is excited about aging-related science. Candidate should be able to perform multiple tasks in a multi- and interdisciplinary environment and to apply integrative approaches in studies of complex research questions in genetic susceptibility to human aging, age-related diseases and lifespan.

S/he should have experience in genetic epidemiology, statistical genetics, bioinformatics or related fields. The ideal candidate will have experience in analyzing large-scale phenotypic and genetic data using state of the art methods of statistical analyses, have experience in analyzing biological role of genes, be experienced in statistical software (SAS, R). Analytic skills, experience in mathematical modeling, experience in programming languages (e.g., Python, C/C++), experience in biology, proven track record of publications in peer-reviewed journals are a plus.

The position assumes communication skills and collaborative and creative work in multi- and inter-disciplinary environment. The researcher will utilize existing approaches (developed in our group and elsewhere) and develop new approaches to the analyses and interpretation of findings in genetic association studies of human aging, health, and lifespan aiming to significantly improve efficiency of genetic discoveries.

The research agenda will include (but is not limited to) working with large-scale datasets with phenotypic and genetic information, statistical analyses of these data, analytic work with the results, functional genomics analyses, mathematical modeling, and publishing scientific papers.

Particular focus will be on the analyses of associations of SNPs with heath and aging/longevity related traits and on addressing the relationships among genetic regulators of physiological aging, senescence, health and lifespan, using several large longitudinal human datasets.

Contact details: Please submit your CV, names of three references, and a brief statement of research interests to Dr. Alexander Kulminski, e-mail: kulminsk@duke.edu.

Applications will be accepted until the position is filled.