Postdoctoral Fellowship to Study Cancer Etiology Using Metabolomics

Applications are invited from epidemiologists, biostatisticians, and bioinformaticians who are interested in a postdoctoral fellowship using metabolomics to elucidate causes of cancer. The position is under the direction of Steven C. Moore, Ph.D., M.P.H., in the Division of Cancer Epidemiology and Genetics (DCEG) of the National Cancer Institute. DCEG is a leading biomedical institution in the fields of cancer epidemiology and genetics and has a strong record of excellence in postdoctoral training. The fellowship will be based in the Metabolic Epidemiology Branch and will be focused on studies of energy-balance, diet, the metabolome, and how they relate to cancer risk. Projects may include analysis of levels of hundreds to thousands of metabolites in relation to cancer risk, and the use of metabolomics to identify candidate biomarkers related to diet and/or obesity that can be carried forward to future etiologic studies. Typical datasets will include 100s to 1000s of participants with metabolomics data and a decade or more of follow-up for disease outcomes; consortium-based datasets may also be available. These projects will provide candidates with opportunities to expand analytic and scientific skills essential for future-oriented research with omics data. The successful candidate will be mentored to achieve their goals, progressing to greater independence during the fellowship.

Qualifications: Candidates should have a background in epidemiology, strong quantitative skills, and proficiency in programming SAS or R. A successful candidate will have excellent communication skills, be highly motivated, and be able to work in a large multidisciplinary team. Expertise related to energy-balance, nutrition, and/or analysis of omics data is a plus. Candidates must hold, or expect to soon attain, a doctorate degree in epidemiology, biostatistics, or bioinformatics. Salary and benefits are highly competitive and commensurate with experience.

For more information, please contact Steven C. Moore, Ph.D.
Email: Steve.Moore@nih.gov

To apply: See the Division Fellowship Information page for an overview, qualifications, and application details.

The DHHS and NIH are Equal Opportunity Employers.