Post-doctoral Research Opportunity at the NIH

Genomic Epidemiology: Human Cancer/Carcinogenic HPV

This postdoctoral position is available within the Genetic Epidemiology Branch in the Division of Cancer Epidemiology and Genetics (DCEG).

Virtually all cervical cancers, and a large proportion of several other cancers, are caused by persistent HPV infections. HPV infections are extremely common, but very few cause cancer. For unknown reasons, there is huge variability in risk conferred by different HPV types and, remarkably, strong differences even between closely related variant lineages within each type. We are using high-throughput next-generation sequencing approaches to examine carcinogenic HPV genome-wide variation to investigate the molecular basis of HPV carcinogenicity. We are evaluating HPV genome and human genome data in large case-control and cohort studies. In the human host, we are evaluating human genomic variation, ancestry, and HLA to determine if there is an interaction between human and HPV genetics. We are applying bioinformatics methods, phylogenetics, and genetic epidemiologic analyses to analyze these data.

DCEG fellows have access to data from state-of-the-art studies in cancer genomics and work with highly committed and talented researchers with expertise in epidemiology, biostatistics, HPV, and genomics. DCEG offers extensive career development training through its Office of Education.

Applicants with a doctoral degree or background in genetics/genomics, genetic epidemiology, or related field, are encouraged to apply. Experience in analyses of large genomic datasets, next-generation sequencing, and/or bioinformatics methods is required. A successful candidate will have excellent communication skills, be highly motivated and able to work in a large multidisciplinary team. Salary and benefits are competitive and commensurate with experience. Please note, we are not a wet laboratory.

See the Division Fellowship Information page <http://dceg.cancer.gov/fellowship-training/become-a-fellow> for an overview of the fellowship experience.

To apply:

Interested candidates should submit their curriculum vitae, a cover letter containing a statement of research interests, and the names and contact information for three referees to:

Lisa Mirabello, Ph.D., M.S.
Earl Stadtman Investigator, Genetic Epidemiology Branch
Division of Cancer Epidemiology and Genetics,
National Cancer Institute, NIH
E-mail: mirabellol@mail.nih.gov
http://dceg.cancer.gov/about/staff-directory/biographies/K-N/mirabello-lisa
This position is subject to a background investigation.
The NIH is dedicated to building a diverse community in its training and employment programs.