

## Postdoctoral Fellowship Infections and Immunoepidemiology Branch

Postdoctoral fellowships are available within the Infections and Immunoepidemiology Branch (IIB) of the National Cancer Institute to conduct molecular epidemiologic studies of infection-related cancers. IIB conducts multidisciplinary research on the role of infections and immunity in carcinogenesis to inform efforts to reduce the burden of cancer. Risk factors for cancer that are a focus of branch research include oncogenic infections (HIV, Epstein-Barr virus [EBV], hepatitis B and C viruses, human papillomavirus, *Helicobacter pylori*, *Plasmodium falciparum* [Pf]), immune-related conditions, and chronic inflammation.

Specific opportunities are currently available to conduct research on the etiology and prevention of nasopharyngeal carcinoma (caused by EBV), lymphomas (especially including Burkitt lymphoma, caused by EBV and Pf), and liver cancer (hepatitis B virus). Working closely with an IIB mentor, the fellow will design and conduct biomarker studies using case-control and cohort designs. Studies have an international focus, with settings in Africa and Asia, and incorporate molecular epidemiologic analyses including rich genomic data. Fellow-initiated projects are encouraged.

**Qualifications:** Candidates must possess a doctoral degree in epidemiology, genetics, bioinformatics, or a related field. Candidates should have a strong background and skill in epidemiology, particularly in relation to infectious agents, immunity, or the genetics of cancer; statistical analysis; and critical thinking and writing. Experience in analyses of large complex genomic datasets, next-generation sequencing, GWAS, and/or bioinformatic methods is a plus.

**For more information about this position, please contact:**

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Website: <https://dceg.cancer.gov/about/organization/tdrp/iib>

Additional information is available at <https://dceg.cancer.gov/fellowship-training>.

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