



**Post-doctoral fellowship in Human Genetics**  
**NCI, NIH, Frederick, MD**  
**Cheryl A. Winkler, PhD**

<https://ccr.cancer.gov/Basic-Research-Laboratory/cheryl-ann-winkler>

A post-doctoral position is immediately available in Dr. Cheryl Winkler's laboratory at the National Cancer Institute in Frederick, Maryland. The laboratory investigates genetic susceptibility to kidney disease and the functional consequence of genetic variants. We are particularly interested in the identification of genetic variants that affect penetrance of *APOL1* renal risk variants using bioinformatics and admixture mapping approaches. A second project involves the identification of variants associated with primary steroid resistant FSGS and HIV-associated FSGS in pediatric patients from South Africa and East Africa.

The ideal candidate would have experience in molecular genetics and epidemiology, bioinformatics, handling large datasets, programming in R and statistical modeling. In addition, we have an interest in applying single cell methods for transcriptional analysis and miRNA gene regulation. We also have the ability to characterize the function of genetic variants, using outstanding imaging core resources.

Above all, we are looking for an intellectually curious, productive individual who enjoys working as part of a multi-disciplinary team.

**Education:** PhD or MD, either with training in bioinformatics and statistical genetics, or alternatively with training in biological sciences and with a strong interest in statistical genetics.

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