

A postdoctoral fellowship position will be available at the University of Virginia (Department of Biochemistry and Molecular Genetics) in the laboratory of Francine Garrett-Bakelman, M.D., Ph.D., to study epigenetic mechanisms of disease in cancer. The expected start date is April 1, 2017.

The focus of the Garrett-Bakelman Lab is to understand how epigenetic mechanisms contribute to disease pathogenesis in Acute Myeloid Leukemia (AML). Research in the lab utilizes human patient samples in addition to using murine models and tumor cell lines to perform a variety of functional and genome scale technologies. These include but are not limited to DNA cytosine modification assays, RNA-sequencing and chromatin function assays to address fundamental questions about cancer biology and transcriptional regulation (e.g. PMID: 27322744). Projects will be conducted in collaboration with computational biologists and include the identification of epigenetically regulated factors that contribute to the establishment and progression of AML and characterization of candidate genes using *in vitro*, *ex vivo*, and *in vivo* systems.

The ideal candidate will be a highly motivated experimental biologist and have a PhD and/or MD degree, a strong background in molecular and cellular biology and/or biochemistry, and publications in peer-reviewed journals. Experience with hematopoiesis/leukemia models and/or primary human patient samples and a background in next generation sequencing techniques and/or transcriptional regulation is desirable, but not necessary.

Interested applicants are encouraged to email a cover letter, a single page description of research experience and interests, curriculum vitae, and contact information for three references as a single pdf file to Francine Garrett-Bakelman, MD, PhD (FG5Q@virginia.edu) with the following subject line: "Postdoctoral fellow applicant: YOUR LAST NAME". Applicants will be considered until the position is filled and the start date is flexible