

## ***Postdoctoral Positions in Molecular Biology***

The Suh Laboratory at Columbia University Irving Medical Center (CUIMC) is actively seeking 1-2 highly motivated postdoctoral fellows interested in utilizing functional genomics and chromatin conformation capture technology to understand the principles of gene regulatory defects in Type I diabetes (T1D) risk variants at the genome-scale.

**Research focus:** The candidate will leverage on the Tri-HiC method (<https://www.biorxiv.org/content/10.1101/743005v3>) that we recently developed in our lab to profile the enhancer-promoter interactomes at unprecedented high resolution in primary T cells, primary monocytes and  $\beta$  cells from T1D patients and further comprehensively identify target genes of T1D-associated variants.

### **Application Requirements:**

1. PhD or equivalent degree in molecular biology, genetics, cell biology, biophysics, biochemistry or related science in a relevant scientific field.
2. Significant wet lab experience in molecular biology is required.
3. A record of publications from PhD or prior postdoctoral training work.
4. Experiences in chromatin conformation capture technologies such as 4C and HiC are preferred.
5. Skills in chromatin conformation capture data analysis are not needed but preferred.

**Applicant Instructions:** To apply, please email your CV and a short cover letter summarizing your experience, along with the contact information of three references to [qg2204@cumc.columbia.edu](mailto:qg2204@cumc.columbia.edu) addressed to the lab manager Qinghua Guo.

**The Scientific Community:** Situated on a 20-acre campus in Northern Manhattan CUIMC provides global leadership in scientific research, health and medical education, and patient care. CUIMC is especially proud of its relationship with the surrounding Washington Heights community and has numerous research and clinical programs in Northern Manhattan, including Harlem, Washington Heights, and Inwood. CUIMC also has more than 40 state-of-the-art shared research facilities physically housed in and administered by its departments, centers, and institutes. These resources offer the highest-quality scientific technology to the community, and many also offer education and training, as needed. We offer competitive salary and benefit packages.

**Salary Range:** \$60,000-\$70,000.

**EEO Statement:** Columbia University is Equal Opportunity Employer / Disability / Veteran