

Bioinformatics Postdoctoral Positions in Human Functional Genomics of Aging and Disease

The Suh Laboratory at the Columbia University Irving Medical Center is actively seeking 1-2 highly motivated postdoctoral fellows interested in utilizing contemporary computational (epi)genomics methods and approaches to address biological questions related to aging, reproductive aging and aging-related diseases. Candidate should possess a solid background in genomics and bioinformatics, and display a strong interest in applying cutting-edge next-generation sequencing-based technologies to aging research.

The candidate fellow will be involved and primarily responsible for:

- Collecting, analyzing, and interpreting publicly available data, including (epi)genomic annotation hubs, transcriptomic/proteomic databases, and GWAS and high-throughput sequencing datasets from individually relevant studies.
- Generating novel hypotheses from the analysis and integration of data resources both inside and outside of the lab and developing research strategies.

Qualifications include:

- A doctoral degree in biology, bioinformatics, computational biology or another appropriate field.
- Comprehensive knowledge of NGS data analysis flow and hands-on experience with at least one aspect of its applications (e.g., WGS/WES, RNA-seq, ChIP-seq, scRNA-seq, 4C, HiC, etc.)
- Basic knowledge of human genome, gene expression, and cell biology.
- Familiar with R and one or more other programming languages, e.g., Python or Perl.
- The ability of independent learning and thinking in a highly dynamic and decentralized environment, as well as being a team player to contribute to many ongoing collaborative projects.

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 addressed to the lab manager Qinghua Guo.

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

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.