**Functional Genomics Data Science
Postdoctoral Research Scientist Position**

The Statistical Functional Genomics Lab in the Gertude H. Sergievsky Center, Columbia University, is seeking a **highly-motivated Postdoctoral Research Scientist in Functional Genomics Data Science**. The candidate will lead research projects to study functional consequences of molecular quantitative trait loci in a range of 'omics data from cells and tissues in brains, cerebrospinal fluid and blood; and their impact on neurodegenerative disorders such as Alzheimer's disease. Unlike traditional functional genomics research that employs wet lab techniques, the candidate will utilize computational approaches on large-scale 'omics datasets to uncover functional mechanisms, generate new hypotheses about the biological processes involved, and motivate development of novel statistical and computational methods. Qualified candidates must

- Possess a strong background and solid training in genetics and regulatory genomics;
- Have experiences in bioinformatics data analysis (R and/or Python and/or Linux Shell scripting);
- Have deep insight into functional regulation of cellular and molecular processes in humans;
- Have publications in top-tier journals in the field as a PhD student;
- Be fluent in English, with excellent written and oral communication skills.

Successful candidates will be jointly supervised by Gao Wang (Assistant Professor of Neurological Sciences) and Philip De Jager (Weil-Granat Professor of Neurology and Chief of Division of Neuroimmunology), with support from other lab members and various collaborators across the country. In addition to leading our recommended projects, the candidates will also be encouraged to design and develop new projects, and to apply for their independent research grants (such as NIH K99).

Our work at the StatFunGen Lab spans a range of subjects at the intersection of genetics, statistics, bioinformatics, machine learning and neurological sciences. The lab thrives in a dynamic and stimulating research and educational environment within the Columbia University Medical Center, located on West 168th Street in Manhattan. Collaborating with other interdisciplinary groups from across the United States, we engage with a broad spectrum of multi-omics, data-driven subjects of research, supported by high-quality datasets obtained through various consortium efforts to which we also actively contribute. Candidates will therefore immensely benefit from the opportunities for learning and collaboration with fellow scientists. More details about our work can be found at `https://wanggroup.org`.

To apply, please email a cover letter, a curriculum vitae, and contact information of up to four references to Gao Wang (wang.gao@columbia.edu), using the subject header *StatFunGen Postdoc Application*. The position is open until filled. Informal inquiries are welcome.

Columbia University is an Equal Opportunity/Affirmative Action employer — Race/Gender/Disability/Veteran.