# Postdoctoral positions in human population genetics, complex disease and cancer in New York City, USA

The Raj Laboratory at the Albert Einstein College of Medicine in New York city is recruiting several motivated postdoctoral fellows with interest and expertise in any of the following areas: (1) Population and evolutionary genetics (2) genome-wide association studies and polygenic risk scores in populations of diverse ancestries, in large-scale datasets (3) Gene-environment interactions (4) Cancer and public health genetics (5) Bioinformatics / Machine learning.

**Research focus:** Our lab investigates the contribution of common and rare genetic variation on phenotypic variation in diverse global populations. We study how genetics and gene-environment interactions shape individual and population differences in disease risk and outcome. We use population, quantitative, evolutionary and functional genetics approaches to answer broad questions in this area, with an interest in common complex diseases as well as cancer. We also have a wet lab to study the functional consequences of genetic variation. We have several collaborative projects that use large-scale genetic data, such as the UK Biobank, TOPMED, AllofUs and the HCHS/Study of Latinos, as well as to study the functional impact of genetic variation. We are particularly interested in research questions that serve the diverse community of our catchment area, the most diverse county in the United States, the Bronx, NY.

**Lab website:** For more details on our lab and research please visit [www.srirajlab.com](http://www.srirajlab.com) or

<https://einsteinmed.edu/faculty/16979/srilakshmi-raj/>.

**Application Requirements:**

1. Ph.D. or M.D. or equivalent degree, and a publications record from training.
2. Prior research experience in bioinformatics and genetics, quantitative and computational skills, and experience with large-scale genetic and health datasets (e.g. Biobanks). Experience with population genetics is strongly preferred.
3. An interest in understanding the genetic basis of population health disparities is strongly preferred.

**To apply:** Please email your CV and a short cover letter summarizing your experience, along with the contact information of two references to: srilakshmi.raj@einsteinmed.org addressed to Srilakshmi Raj Ph.D., Assistant Professor of Genetics, Department of Genetics, Albert Einstein College of Medicine, New York, NY

**Research environment:** The Albert Einstein College of Medicine ([https://www.einsteinmed.edu](https://www.einsteinmed.edu/)) provides a highly engaging, interactive and productive academic environment for research scientists and scientists in training. Prospective members will enjoy joint weekly lab meetings within the Department of Genetics, and will engage in work-in-progress seminars, journal clubs, trainee events, workshops and other professional and social events within the Department of Genetics, the Einstein Cancer center and throughout the school. The Price Center for Genetic and Translational Medicine, where our lab is situated, is a modern research building in the heart of the campus with state-of-the-art research facilities and amenities.

**Lab Location:** The Einstein College of Medicine is located in a residential area in the northeast corner of New York City with an easy commute to Manhattan and the suburbs of Westchester County. We offer competitive salary and benefit packages with optional postdoctoral housing on campus.

**The Scientific Community:** Among the top tier of the nation's medical schools to receive NIH funding, Albert Einstein College of Medicine offers a highly interactive and stimulating academic environment for scientists in training. Additionally, candidate’s research will benefit from the highly interactive environment within the Gottesman Institute for Stem Cell and Regenerative Medicine, the Department of Genetics, Developmental and Molecular Biology, the Cancer Center and throughout the college. We are located in a pleasant residential area in the northeast corner of New York City with an easy commute to Manhattan and the suburbs of Westchester County. We offer competitive salary and benefit packages with optional postdoctoral housing on campus.