



## POSTDOCTORAL POSITION IN HUMAN GENETICS AND GENOMICS

**Department of Biosciences, University of Milan, Italy**

A postdoctoral position is available in the “Human Genome Architecture” laboratory of Giuliana Giannuzzi (starting date: Fall 2021).

We are seeking qualified and enthusiastic applicants with skills in computational biology/bioinformatics, ideally also with some experience in laboratory work.

The “Human Genome Architecture” lab has been recently established at the Department of Biosciences of the University of Milan, one of the “Departments of Excellence” of Italian Universities. We are interested in the study of complex regions of the human genome that are hotspots in disease, diversity, and evolution. We analyze genetic data from individuals carrying pathogenic and/or peculiar structural variants (large genomic alterations >50 bp) and reconstruct the architecture of these loci and their evolutionary history through comparative sequence analysis in Primates. We also investigate the consequences of the rearrangements by genotype-phenotype correlation studies as well as gene expression data analysis. Future developments will include the assessment of the 3D chromatin organization.

The postdoctoral fellow will study complex regions involved in neurodevelopmental disorders by using both data produced in the lab and available genomic data.

Please contact Giuliana Giannuzzi ([giuliana.giannuzzi@unimi.it](mailto:giuliana.giannuzzi@unimi.it)) for any further information or to submit your application, including a CV, statement of research interest, and contact details of two references.