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[Postdoctoral Research Fellow in Cancer Cell Biology](#)

Position as Postdoctoral Research Fellow available at the Department of Biomedical, Metabolic and Neurosciences, Faculty of Medicine and Surgery, Centre of Regenerative Medicine "S. Ferrari", University of Modena and Reggio Emilia in the research group of Professor Rossella Manfredini. Prof. Manfredini's lab offers the opportunity to perform advanced research in a stimulating research environment with excellent technical facilities.

The appointment is a fulltime position and is made for a period of one-three year.

The candidate for this position will work on a 5x1000 project funded by Associazione Italiana per la Ricerca sul Cancro (AIRC). This project aims to understand the molecular mechanisms responsible for clonal progression in Myeloid Neoplasms by means of bulk or single-cell genomic and transcriptomic approaches in order to identify promising molecular targets for intervention trials. Single-cell experiments will be performed on Tapestry platform (single-cell genomics) and 10X Genomics instrument (single-cell transcriptomics; single-cell ATAC+RNAseq; spatial transcriptomics); all sequencing data will be produced by means of Illumina platform. The work includes collaboration with national and international groups including the group of Doctor Francesco Ferrari at IFOM (Milan).

Skill requirements: The candidate will be required to have strong programming skills in scripted languages, particularly R and Python or similar, and to be able to work into Unix environment (Linux and/or Mac OS). Prior knowledge of Seurat and Signac R packages will be considered a plus. Technical knowledge on the fields of genomics and transcriptomics and their implications on data analysis, together with experience with sequence alignment and QC procedures commonly used for RNA-seq are desirable. Domain knowledge in cellular and molecular biology is advisable. A solid background in statistics will be considered a plus. Interpersonal and communication skills and the ability to work independently in a fast-paced work environment will be positively evaluated.

Contact information

For further information please contact: **Professor Rossella Manfredini**, e-mail: rossella.manfredini@unimore.it.