



Division of Genetics and Cell Biology
San Raffaele Scientific Institute

Post-doctoral researcher Muscular dystrophy therapy

A post-doctoral position is open in the Gabellini laboratory at OSR to test a novel therapeutic approach for FSHD muscular dystrophy. The project is funded by the Italian Ministry of Health and will integrate the use of AAV, for the transfer of a therapeutic molecule in an animal model of FSHD, with genome-wide (ChIP-seq and RNA-seq) and functional approaches to evaluate safety and efficacy of the treatment.

Qualification

We are searching for a highly motivated and career-oriented research fellow with a high level of independence and a PhD degree in molecular and cellular biology. Experience with transcriptomic/epigenomic profiling and animal models of muscular dystrophy is essential. Expertise in the production and use of AAV vectors will provide a selective advantage. Candidates possessing excellent analytical, communication and organizational skills must be able to work independently as well as with interdisciplinary teams.

Place of employment and work

San Raffaele is an international institute with a strong focus on biomedical research, offering an exceptional research environment and cutting-edge platforms. It is located in Milan, a cosmopolitan city, which has been ranked number one for quality of life in Italy: <https://www.yesmilano.it/en>.

The team

We are interested in understanding the mechanisms and dynamics of epigenetic regulation and chromatin structure, which coordinate global gene expression programs in normal and dystrophic muscle. We use in vitro and in vivo approaches to identify RNA profiles, transcription factor binding sites and epigenomes defining functional gene "hubs" and decision points that dynamically coordinate gene programming.

Terms of salary and employment

A 12-month renewable contract will be established. A competitive salary commensurate with the experience and qualifications will be offered to the successful candidate. Operating language in the laboratory is English. Applications including a cover letter, curriculum vitae and the names of (at least) two referees should be sent to: Davide Gabellini at gabellini.davide@hsr.it

For more information about the laboratory:

<http://research.hsr.it/en/divisions/genetics-and-cell-biology/gene-expression-and-muscular-dystrophy.html>

<http://www.ncbi.nlm.nih.gov/pubmed?term=gabellini+davide&cmd=DetailsSearch>