

Bioinformatician position, Mechanisms of Peripheral Tolerance Unit, SR-TIGET, Milan, Italy.

Description

One bioinformatician position is available in the Unit of Mechanisms of Peripheral Tolerance at SR-TIGET led by Siulvia Gregori. Main interests of the unit are the study of the cellular and molecular mechanisms regulating immune tolerance and the development of tolerogenic cellular therapies. In particular, successful applicant will work in a team, led by Francesca Santoni de Sio (https://www.researchgate.net/profile/Francesca_Santoni_de_Sio), aimed at better understanding the molecular components controlling development and function of the immune cells. She/he will be in charge of the analysis and integration of high-throughput transcriptomic and epigenomic datasets generated by NGS sequencing and will work in tight contact with biologists and bioinformaticians in order to unravel new pathways involved in immune-related pathology such as autoimmunity.

Qualification and Requirements:

- Master or PhD degree in Bioinformatics, Biostatistics or Applied Mathematics
- Experience in NGS data analysis
- Strong programming skills (R, Python, Bash)
- Mastering bioinformatics and biostatistics tools (R, Bioconductor)
- Experience in high-throughput data analysis and multivariate statistics
- Expertise in Linux-like OS
- Good communication skills and self-motivation
- Good spoken and written English

Previous experience in the chromatin field is welcome.

Please send your application, including synopsis of research interest (or motivation letter), curriculum vitae and contact for reference, by email to Francesca Santoni de Sio (santonidesio.francesca@hsr.it). Salary will be defined according to experience and skills. Starting date: January 2020.

Location

Mechanisms of Peripheral Tolerance Unit, Telethon Institute For Gene Therapy (SR-TIGET), San Raffaele Scientific Institute, Milan, Italy (<https://research.hsr.it/en/institutes/san-raffaele-telethon-institute-for-gene-therapy/mechanisms-of-peripheral-tolerance.html>).

SR-TIGET is a leading Institute in the field of Gene Therapy. In the recent years it has expanded its scopes and embraced interdisciplinary approaches, including genomic and epigenomic. SR-TIGET includes both experimental research labs, studying basic and applied biology issues, and clinical units. It is a stimulating international environment.