

Title: Bioinformatician position, Mechanisms of Peripheral Tolerance Unit, SR-TIGET.

Brief Description: 1 bioinformatician position for the study of epigenome and transcriptome in immune cells is open at SR-TIGET, Mechanisms of Peripheral Tolerance Unit led by Silvia Gregori.

Description

One bioinformatician position is available in the Unit of Mechanisms of Peripheral Tolerance at SR-TIGET led by Silvia Gregori (<https://research.hsr.it/en/institutes/san-raffaele-telethon-institute-for-gene-therapy/mechanisms-of-peripheral-tolerance.html>). Main interests of the group are the study of the cellular and molecular mechanisms regulating immune tolerance and the development of tolerogenic cellular therapies. In particular, the bioinformatician will work on projects aimed at better understanding the genetic and epigenetic components controlling development and function of the immune cells and maintenance of peripheral immune tolerance. Successful applicant 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 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 Dr. Francesca Santoni de Sio. Salary will be defined according to experience and skills.

Starting date: January 2020.

Referents: Francesca Santoni de Sio/Silvia Gregori

Location: Mechanisms of Peripheral Tolerance Unit, Telethon Institute For Gene Therapy (SR-TIGET), San Raffaele Scientific Institute, Milan, Italy

Application deadline: 11/2019

Contact email: santonidesio.francesca@hsr.it