

Postdoc Fellowship in Computational Biology

A Postdoc position in Computational Biology is available at the **Italian Institute for Genomic Medicine** (IIGM) in Turin (IT). The position is in the context of a 5-years funded AIRC grant to *Dr Matteo Cereda*, and in collaboration with Prof Salvatore Oliviero at IIGM and *University of Turin* and Prof Jernej Ule at *The Francis Crick Institute*, London (UK).

Research. We study the regulation of alternative splicing in cancer, with a strong focus on the role of RNA binding proteins (RBPs). Our research aims at determining the role of RBPs in cancer progression, assessing the mechanisms of RBP abnormal regulation, establishing whether these mechanisms are common to different cancer types, and identifying novel therapeutic targets. To achieve these goals, we will combine genomic, transcriptomic and epigenetic high throughput approaches (e.g. DNA-, RNA-, ChIP-, iCLIP-seq and related methods).

Role. The post holder will be involved in the analysis and integration of next generation sequencing (NGS) data available at international consortia, and from *de-novo* sequencing, of hundreds of tumours of different tissues. He/she will contribute to the design of strategies and the development of algorithms to decipher RBP regulation in cancer.

Candidate. The ideal candidate will have a PhD in computational biology, computer science, engineering, bioinformatics or similar; experience in bioinformatics analyses, especially in the analysis of NGS experiments; analytical and quantitative background and programming skills. Background in cancer genetics is recommended.

IIGM is located at the Molecular Biotechnology Center. The institutional goal is to foster and develop excellence in human genomic research and education, with special reference to genomic variability in multifactorial diseases, as cancer. The institute provides high-level scientific education and access to state-of-the-art research facilities.

Application. To apply for this position please submit a cover letter describing research experience and motivation, CV and contact information of 2/3 references to: matteo.cereda@iigm.it

The position is available immediately. Salary will vary according to experience.