



## Post Doc Position in Stem Cells and Cancer Epigenetics

A three-years post doc position is immediately available in the laboratory of stem cells and cancer genomics at department CIBIO of University of Trento.

We are actively working to describe the **epigenetic mechanisms preserving liver homeostasis and regeneration** using an interdisciplinary approach combining *in vivo* and *in vitro* models, advanced imaging and next generation sequencing based approaches.

Liver tumors are among the most lethal malignancies for which curative pharmacological approaches are still lacking. Mutations of well-known chromatin associated complexes have been isolated in both hepatocellular and cholangiocarcinoma, however their role in tumor onset and progression remain largely uncharacterized.

We are looking for a **highly motivated**, intellectually curious scientist willing to investigate the role of Polycomb complexes and SWI/SNF chromatin remodeling complexes in preserving liver homeostasis and to characterize the epigenetic mechanisms leading to liver tumors formation. A close collaboration with the pathology unit of the S.Chiera hospital will ensure the translatability of the results obtained.

The successful candidate will be exposed to a **vibrant and intellectually exciting environment**, he/she will apply different genomics techniques, histological and immunohistochemical techniques, primary organoids culture, among others. Familiarity with any of the following topics will be considered an advantage but is not mandatory: gene regulation/chromatin biology, histology, tumor biology.

Proven experience in working with in vivo models is mandatory.

Located in Trento, in the beautiful frame of Italian alps, **CIBIO** offers the possibility to work in a young, highly dynamic and stimulating research environment. Our researchers can readily adapt to new scientific challenges thanks to a streamlined organization, in which science technology platforms provide access to cutting-edge technology, support and knowhow. At CIBIO cross contamination of ideas coming from different scientific fields are encouraged, to accelerate discoveries and drive benefits for human health.

Candidates should send a **CV** (NO europass) including academic and extra-academic achievements, the list of publications and contacts of **two referees** to:

[fulvio.chiacchiera@unitn.it](mailto:fulvio.chiacchiera@unitn.it)

Website:

<https://www.cibio.unitn.it/>

<https://www.cibio.unitn.it/956/laboratory-of-stem-cells-and-cancer-genomics>