

## Post-doctoral position- Laboratory of Cancer Biology Center for Genomic Science, IIT@SEMM

We are seeking a post-doctoral candidate to join the Cancer Biology team, lead by Stefano Campaner. The successful candidate will be involved in one of the following research lines:

- Understanding synthetic lethal interactions in Myc overexpressing cells. This research line will entail *in-vitro* mechanistic studies aimed at defining the molecular basis of the synthetic lethal interactions we identified in our recent siRNA screen and their validation *in-vivo*, in xenograft models on Myc-dependent tumors.
- The role of YAP in lineage restriction and the control of cellular proliferation in the liver. This study is based on a combination of *in-vivo* and *in-vitro* studies aimed at dissecting the role of YAP in this context by using genome wide chromatin association studies (ChIP-seq) coupled to genome wide mRNA expression.

We seek highly motivated, ambitious and talented scientists to join our lab. The ideal candidate should be highly skilled in basic molecular biology techniques, cell culture and basic biochemistry. Previous experience in working with animal models or in Next Generation Sequencing techniques will be a plus.

The Center for Genomic Science of IIT@SEMM (<http://genomics.iit.it>) located in Milan, Italy, is one of IIT's national nodes. The Center benefits from state-of-the art facilities and advanced technologies. The successful candidates will be integrated in a lively community of experimental and computational scientists.

Our group has a long-standing interest in understanding the molecular mechanisms of transformation induced by oncogenic transcription factors such as Myc and the Hippo pathway co-activators YAP and TAZ. We make use of cellular as well as animal models to perform loss of function and gain of function studies coupled to genome wide analysis (ChIP-seq and RNA-seq). The scope of our research is to (i) identify basic rules in gene regulation, (ii) define the role of such transcription factors at the different stages of cancer progression and (iii) discover cancer cells liabilities.

### Required skills and experience

- A PhD in life science with or without post-doctoral experience.
- Documented research experience in cellular and/or cancer biology.
- Fluency in written and oral English.

Applications should be e-mailed both to [applications@iit.it](mailto:applications@iit.it) and [stefano.campaner@iit.it](mailto:stefano.campaner@iit.it) and include a CV, 2 reference letters and a short statement on professional skills and interests.

Candidates should ask their referees for reference letters to be sent directly by them to the same e-mail address as above. Selected candidates will be initially interviewed by Skype.

**Application deadline: September 16, 2016**