

## **Postdoc Position in Ovarian Cancer Stem Cell Biology**

A postdoctoral fellowship is available from January 2020 within the Department of Experimental Oncology at the European Institute of Oncology, IFOM-IEO Campus, Milan, Italy, to study the molecular and functional properties of ovarian cancer stem cells (OCSC). The postdoc will profit from unique experimental resources and leading expertise on human ovarian cancer modeling (Lupia et al, *Stem Cell Reports* 2018; Francavilla et al, *Cell Reports* 2017; Lupia and Cavallaro, *Molecular Cancer* 2017; Zecchini et al, *EMBO Mol Med* 2011).

In particular, the postdoc will capitalize on new-generation organotypic models to investigate the influence of the tumor microenvironment on OCSC biology. In collaboration with other groups in Chicago and London, these models will be harnessed to explore the druggability of the crosstalk between OCSC and their microenvironment and to unravel the immune escape properties of OCSC. The research will profit from our close interaction with the Division of Gynecology and, hence, from the opportunity to investigate patient-specific experimental models of outstanding clinical relevance.

We are looking for a highly motivated scientist willing to apply a wide range of cutting-edge cell and molecular biology techniques, including single-cell analysis, as well as mouse models of tumorigenesis, including patient-derived xenografts, to define the molecular traits and the functional properties of ovarian cancer stem cells.

Requirements: PhD in Molecular Biology, Cancer Biology or other related disciplines; strong motivation and research commitment; excellent analytical and organization skill; ability to work in team conjugated with independence.

A solid background in molecular and cellular biology is essential, while previous experience with mouse models is a clear plus.

Competitive salaries will depend on the candidate's track record and experience.

The operating language of the Campus is English.

The position is for one year renewable up to three years.

How to apply:

Applicants should send their CV along with a brief motivation letter together with the name and contact details of two/three references to Ugo Cavallaro at [ugo.cavallaro@ieo.it](mailto:ugo.cavallaro@ieo.it).

Envisioned starting date: January 2020.