



## Two PhD positions at IEO in *Mechanistic basis of self-renewal in cancer*

The lab of *Mechanistic basis of self-renewal* headed by Marina Mapelli is looking for two post-graduate experimental scientists to work on Wnt-dependent self-renewal in the regulation of stem cell activity, tissue homeostasis and oncogenesis using a combination of cutting-edge technologies including structural biology (cryo-EM), biochemistry, advanced quantitative imaging in cells and intestinal organoids as well as multi-omics. The positions involve tight interactions with other members of a team working on different aspects of Wnt self-renewal. The PhD projects benefit from preliminary results, up to initial cryo-EM data. The **Mapelli Lab** is based at the Department of Experimental Oncology of the European Institute of Oncology, close to the city center of Milan, which offers opportunities for a lively cultural life and nearby outdoor activities.

**Qualifications:** Applicants should hold a degree in life sciences, medical engineering or related disciplines, and show experience in biochemistry and structural biology (position-1) or molecular and cell biology (position-2).

**Key requirements:** We are looking for highly motivated research scientists driven by scientific curiosity, with a strong attitude to develop their research projects. Proficient English, excellent organizational and collaborative skills as well as enthusiasm for science and research are essential.

**Ph.D. training:** Post-graduate students will be enrolled at the European School of Molecular Medicine SEMM ([www.semm.it](http://www.semm.it)) for fully funded 4-year PhD positions, and receive training in various aspects of biology, omics and cancer biology.

**Institution:** The European Institute of Oncology is a comprehensive Cancer Center, linking basic and translational research to clinical activities. The Department of Experimental Oncology hosts about 250 researchers working in 20 independent groups. It is located in a scientific Campus together with the FIRC Institute of Molecular Oncology (IFOM) and the Italian Institute of Technology (IIT), and benefits from state-of-the-art Technological Units. IEO belongs to the EU-LIFE alliance for the promotion of science in Europe. IEO is an equal opportunity employer committed to excellence through diversity.

**How to apply:** Applicants are encouraged to contact Marina Mapelli as early as possible, sending a brief description of interests, a CV, and contact information of references to [marina.mapelli@ieo.it](mailto:marina.mapelli@ieo.it). Official applications should be done at the European School of Molecular Medicine SEMM site (<https://www.semm.it/education/application>) by July 24, 2023.

### Useful Links:

Mapelli Lab: <https://www.ieo.it/en/RESEARCH/People/Researchers/Mapelli-Marina/>

IEO-Research: <https://www.research.ieo.it/>