



POST DOC POSITIONS AT

FONDAZIONE IRCCS ISTITUTO NAZIONALE TUMORI, MILAN, ITALY

Two postdoctoral positions are available at the Molecular Immunology Unit, headed by Dr. Mario P. Colombo, at the Fondazione IRCCS Istituto Nazionale Tumori, Milan, a leading Center in basic and translational Cancer Research.

The general interest of our lab is to understand the interplay between tumor cells, extracellular matrix (ECM) proteins and immune and non-immune stroma in shaping tumor plasticity, resistance to therapies and local and systemic immunity. Solid (breast, prostate and osteosarcoma) and hematologic tumors are investigated. Our approaches mainly involve the use of mouse models (transgenic, conditional or constitutively knock-out for proteins of interest), *in vitro* systems and validation in patient-derived tumor specimens.

Two positions are open on the following projects:

PROSTATE CANCER

In the context of an AIRC-funded project (PI Dr. Colombo) aimed to study the role of key ECM and ER-stress proteins in regulating tumor resistance to hormone therapies, the fellow will specifically focus on prostate cancer and neuroendocrine differentiation. For background and overview of disease setting please see “*Enriquez et al, Cancer Res, 2021; doi: 10.1158/0008-5472.CAN-21-0163*”

OSTEOSARCOMA

The position will be in the area of an AIRC-funded project (PI Dr. Chiodoni) focused on osteosarcoma biology and on the possibility to exploit stemness/mesenchymal features as targets for new therapeutic approaches. For background and overview of disease setting please see “*Ratti et al, Clin Cancer Res, 2017; doi: 10.1158/1078-0432.CCR-16-3186*”

We are looking for applicants with a PhD degree in biomedical sciences. Candidates who are going to obtain the PhD in a few months would be also considered.

Applicants should be highly motivated and committed to cancer research, with a demonstrated scientific track record and the ability to work independently. Experience with murine tumor models and tumor biology is required. Additional experience in one (or more) of the following areas will be considered a plus: tumor immunology, multicolor flow cytometry, tumor metabolism, bio-informatics.

The position will be initially for one year, renewable up to three.
Salary will be commensurate to experience.

To apply or for informal inquiry please contact:

claudia.chiodoni@istitutotumori.mi.it and elena.jachetti@istitutotumori.mi.it

The application should include:

- Detailed CV with publications
- Motivation letter
- Name and contacts of two referees