



Courtesy translation of D.R. n. 096/2021

*For more details on the selection process, please refer to the Italian version of*

*D.R. n. 096/2021 available at <http://www.hunimed.eu/it/lavora-con-noi/>*

**SELECTION PROCEDURE FOR A RESEARCH FELLOWSHIP IN COMPLIANCE WITH ART. 22 OF LAW 240/2010**

Research Program Title	<b>To assess the role of neutrophils in cancer and anti-tumor immunity.</b>
Tutor	Dott. Sebastien JAILLON
Scientific Area	06 - Medical Sciences
Gross amount of the fellowship	25.000 Euro
Duration of the fellowship	12 months with the possibility of renewal
Objectives of the research	<p>Cancer-related inflammation, including the presence of inflammatory leukocytes in the tumor microenvironment is recognised as a hallmark of cancer. Therefore, exploration of the tumor immune contexture is crucial for the development of new therapeutic approaches, as demonstrated with the immune checkpoints.</p> <p>In preclinical models, it was revealed that the essential role played by neutrophils in resistance against primary sarcomagenesis by driving type 1 polarisation of a subset of unconventional T cells (UTCs).</p> <p>Using a multitask approach, combining state-of-the-art technologies with the advantage of genetically engineered mice, models of primary carcinogenesis and investigation in human samples, the project aims to study the mechanisms involved in the neutrophil-UTC antitumor axis.</p>
Activities to be carried out	<ul style="list-style-type: none"> <li>- Animal handling (Murine models of carcinogenesis)</li> <li>- Blood and tissues sampling from mice</li> <li>- Cellular Biology (purification and culture of cells from blood and tissues, culture of cell lines)</li> </ul>

	<ul style="list-style-type: none"> <li>- Flow cytometry</li> <li>- Molecular Biology (PCR, Real-time PCR, RNAsequencing)</li> </ul>
Work place	PIEVE EMANUELE - Milan
Mandatory requirements	In order to be considered for the post candidates must hold a PhD or an equivalent university qualification awarded by a foreign university (usually referred as a Master's Degree) on above indicated research activities and a scientific and professional CV suitable to the carrying out of the research activities outlines above.
Selection process	<p>Application for admissions must be submitted at the following link:</p> <p style="text-align: center;"><a href="https://pica.cineca.it/humanitas">https://pica.cineca.it/humanitas</a></p> <p>No hard copy of the application must be sent by post.</p> <p>At first access, applicants need to register by clicking on "Register" and completing the requested data.</p> <p>If applicants already have LOGINMIUR credentials, they do not need to register again. They must access with their LOGINMIUR username and password in the relevant field LOGINMIUR.</p> <p>Applicants must enter all data necessary to produce the application and attach the required documents in PDF format.</p>
Selection criteria	<p>Selection criteria are predetermined by the Selection Committee. As part of the selection process, the Committee will evaluate the curriculum, titles and publications presented by the candidate and will consider, in particular:</p> <ul style="list-style-type: none"> <li>- Strong background in the fields of tumor immunology and/or inflammation.</li> <li>- Substantial experience in mouse handling.</li> <li>- Substantial experience in flow cytometry.</li> <li>- Ability to work independently as well as in a collaborative research team.</li> <li>- At least one publication as first author.</li> </ul>



**FURTHER INFORMATION:**

In the event of any conflict between Job Opening text and Italian D.R. text, the Italian version will prevail.

For more details on the selection process please refer to the **D.R. n. 096/2021** (<http://www.hunimed.eu/it/lavora-con-noi/>) or send an inquiry to [ufficiodocenti@hunimed.eu](mailto:ufficiodocenti@hunimed.eu) or telephone +39 02.8224.5642/5421.