Courtesy translation of D.R. n. 229/2021

For more details on the selection process, please refer to the Italian version of D.R. n. 229/2021 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	**Targeting chemokine receptors to harness neutrophil anti-tumor immune response**
Tutor	Prof.ssa Raffaella BONECCHI
Scientific Area	06 – Medical Sciences
Gross amount of the fellowship	23.000 Euro
Duration of the fellowship	12 months
Objectives of the research	Neutrophils, that are essential to protect the host during infections, are also able to exert tumor-suppressive effects controlling cancer progression but are often subverted in their functions by tumor microenvironment. It is emerging that neutrophils are a heterogeneous population and that they have different function in tumors depending on their differentiation and activation state. Our preliminary data indicate that expression of chemokine receptors by neutrophils not only dictates the egress of neutrophils. from the bone marrow (BM) and their trafficking to tissues but also their differentiation and activation state. We will test the hypothesis that targeting chemokine receptors will improve the anti-tumoral activity of neutrophils and can enhance the response to standard therapies and to checkpoint inhibitors in tumors such as melanoma and glioblastoma, neutrophils are able to inhibit tumor growth and immunotherapies are showing significant promise.
Activities to be carried out	The role of chemokine receptors on neutrophil polarization and activation will be studied in vitro and in vivo through the use of preclinical models of melanoma and glioblastoma,

	analysis of infiltrating and circulating neutrophils on human samples.
Work place	PIEVE EMANUELE - Milan
Mandatory requirements	In order to be considered for the post candidates must hold a MSc in Biological Sciences or Biotechnology; scientific and professional CV suitable to the carrying out of the research activities outlines above.
Selection process	Application for admissions must be submitted at the following link**:** https://pica.cineca.it/humanitas No hard copy of the application must be sent by post. At first access, applicants need to register by clicking on "Register" and completing the requested data. 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. Applicants must enter all data necessary to produce the application and attach the required documents in PDF format.
Selection criteria	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: - theoretical knowledge in tumor immunology; - technical skills in immunophenotype and preclinical models of tumors. - good knowledge of spoken and written English.

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. 229/2021** (http://www.hunimed.eu/it/lavora-con-noi/) or send an inquiry to ufficiodocenti@hunimed.eu or telephone +39 02.8224.5642/5421.