



Courtesy translation of D.R. n. 181/2024

For more details on the selection process, please refer to the Italian version of D.R. n. 181 /2024 available at <http://www.hunimed.eu/it/lavora-con-noi/>

SELECTION PROCEDURE FOR RESEARCH FELLOWSHIP

Research Program Title	Nucleo-secretome shortcuts to approach Triple Negative Breast Cancer (TNBC) prognostic markers: Cellular and extracellular vesicles RNA signatures regulated by the chromatin architectural factor HMGA1
Tutor	Prof. Alberto ZAMBELLI
Scientific Area	06 – Medical Sciences
Gross amount of the fellowship	20.000 Euro
Duration of the fellowship	12 months
Objectives of the research	'The better understanding of the biological heterogeneity of the disease (through the accurate pathological and molecular dissection) could contribute the development of novel clinical and therapeutic decision. HMGA1 is involved in the control of gene expression and chromatin dynamics, playing a crucial role in TNBC. Preclinical studies report that depletion of HMGA1 expression decreases tumorigenic characteristics, increasing drug sensitivity across cancer cells. Moreover, HMGAI could influence extracellular environment. The aims of our study are: 1) the correlation between tumor clinical-pathological features and HMGA1 expression; 2) predictive and prognostic outcomes: pathological complete response (pCR) and disease-free survival (DFS), respectively.
Activities to be carried out	<ul style="list-style-type: none"> • Pathological analysis
Work place	PIEVE EMANUELE - Milan
Mandatory requirements	<ul style="list-style-type: none"> • Master degree in Biology or biotechnonology or equiparable. Adequate scientific and professional

	background to carry out the research activity described in this call.
Selection process	<p>Application for admissions must be submitted at the following link: https://pica.cineca.it/humanitas</p> <p>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.</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"> - Technical skills, - job experience, - theoretical knowledge, - linguistic abilities - Adequate scientific and professional background to carry out the research activity described in this call

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. 181/2024** (<http://www.hunimed.eu/it/lavora-con-noi/>) or send an inquiry to ufficiodocenti@hunimed.eu or telephone +39 02.8224.5642/5421.