



Courtesy translation of D.R. n. 132/2023

For more details on the selection process, please refer to the Italian version of D.R. n. 132 /2023 available at <http://www.hunimed.eu/it/lavora-con-noi/>

SELECTION PROCEDURE FOR RESEARCH FELLOWSHIP

Research Program Title	Establishment of a robust ex vivo platform for cancer research
Tutor	Prof. Luigi Maria TERRACCIANO, Prof. Salvatore PISCUOGLIO
Scientific Area	05 – Biological Sciences
Gross amount of the fellowship	29.000,00 Euro
Duration of the fellowship	24 months
Objectives of the research	The main focuses of the laboratory are to define clinically relevant predictive biomarkers of response to therapy and to discover novel drug targets using a multi-modality approach, incorporating computational predictions, multi-omics profiling with ex vivo drug profiling in patient-derived organoids. The candidates will have the flexibility to develop and lead their own projects within the areas of interest of the laboratory. The candidate will also assist in the supervision of Ph.D. students.
Activities to be carried out	<ul style="list-style-type: none">• Develop, optimize and apply cutting-edge methods to generate and to perform drug treatment in 3D in vitro and ex vivo models;• Investigate the mechanisms of response/ resistance to anticancer drugs;• Identify and characterize novel oncogenic mechanisms in cancer.
Work place	PIEVE EMANUELE - Milan
Mandatory requirements	<ul style="list-style-type: none">• Master degree in Biology/ Biotechnology or related topics with a• PhD in genetics, molecular biology, cancer immunology, cell biology or related discipline

	<ul style="list-style-type: none"> • 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"> • Strong interest in cancer biology • Hands-on experience handling patient sample processing. • Hands-on experience with cell culture and flow cytometry techniques is a must. • Experience in primary cell culture and 3D cultures is highly desirable. • Experience in drug screening is highly desirable. • Once trained, the candidates must be able to work independently. • Organized and detail-oriented, able to maintain accurate documentation of experiments and sample information. • Collaborative, able to work effectively in a team. • Ability to interpret the data and to generate hypotheses. • Experience with manuscript writing. • Experience with grant writing is a plus.



	<ul style="list-style-type: none">• Ability to multi-task.• Fluency in English (at least C1) is a must.
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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. 132/2023** (<http://www.hunimed.eu/it/lavora-con-noi/>) or send an inquiry to ufficiodocenti@hunimed.eu or telephone +39 02.8224.5642/5421.