



Courtesy translation of D.R. n. 162/2024

For more details on the selection process, please refer to the Italian version of D.R. n. 162 /2024 available at <http://www.hunimed.eu/it/lavora-con-noi/>

SELECTION PROCEDURE FOR RESEARCH FELLOWSHIP

Research Program Title	Characterization of new molecular targets to struggle rare vascular diseases
Tutor	Dott.ssa Montserrat Climent
Scientific Area	05 – Biological Sciences
Gross amount of the fellowship	20.000 Euro
Duration of the fellowship	22 months
Objectives of the research	Our aim is to study and characterize novel target genes altered in vascular diseases, focusing on Hereditary hemorrhagic telangiectasia (HHT), in order to develop strategies to improve cellular interaction and vessel stabilization. To develop this project, state-of-the-art technologies, such as Spatial Transcriptomics and RNA scope, will be performed.
Activities to be carried out	<ul style="list-style-type: none">• Will study the role of specific genes by manipulating their expression in vascular cells, performing phenotypical and cellular interaction assays, imaging, flow cytometry, western blot and RT-qPCR.• Moreover, the candidate will carry out cutting-edge technologies, such as Spatial Transcriptomics and RNA scope.• Will be involved in the starting part of the project, being active part of the practical and conceptual development of the project progress, and assessing the experimental results.
Work place	PIEVE EMANUELE - Milan
Mandatory requirements	<ul style="list-style-type: none">• Master's degree in Biology, Biotechnology, Molecular Biology and Genetics or equivalent. 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"> • Master's degree in biology or biotechnology, experience in cellular and molecular biology. • Knowledge of cell biology, especially in vascular cells, and technical knowledge, such as manipulation of DNA (PCR), RNA (RT-qPCR) and proteins (western blot) will be positively evaluated. • Great capacity for independent work and organization and critical thinking.

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. 162/2024** (<http://www.hunimed.eu/it/lavora-con-noi/>) or send an inquiry to ufficiodocenti@hunimed.eu or telephone +39 02.8224.5642/5421.