



Courtesy translation of D.R. n. 180/2023

For more details on the selection process, please refer to the Italian version of D.R. n. 180/2023 available at <http://www.hunimed.eu/it/lavora-con-noi/>

SELECTION PROCEDURE FOR RESEARCH FELLOWSHIPS

Research Program Title	Personalized Medicine In Myeloid Neoplasms: Explainable Artificial Intelligence Solutions For Next Generation Classification And Management Of The Patients
Tutor	Prof. Matteo Giovanni DELLA PORTA
Scientific Area	06 – Medical Sciences
Gross amount of the fellowship	27.000,00 Euro
Duration of the fellowship	17
Objectives of the research	Chronic myeloid neoplasms (MN) are disorders of a hematopoietic stem cell characterized by extreme inter-patient variability and, despite recent progresses, still unmet medical needs. In this project, we aim to address those unmet needs through the development of precision medicine approaches based on advanced bioinformatics, statistical and artificial intelligence (AI) technologies, taking advantage of a remarkable set of already available, and prospectively generated, omics and imaging data. The underlying hypothesis is that a precise characterization of the genomic complexity in each patient, coupled with next-gen imaging, may improve disease categorization and prediction of disease evolution and outcome, resulting in improved clinical management. The ultimate goal is to translate this knowledge in innovative, explainable decision support systems for personalized medicine practice.
Activities to be carried out	<ul style="list-style-type: none">• Bioinformatic analysis of genomic data;• multi-omics data integration;• development of innovative prognostic and predictive tools for personalized medicine

Work place	PIEVE EMANUELE - Milan
Mandatory requirements	<ul style="list-style-type: none"> • Degree in Biology or Biotechnology; • PhD related to the topic of bioinformatics; • 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:</p> <p>https://pica.cineca.it/humanitas</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"> • technical skills • research experience

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. 180/2023** (<http://www.hunimed.eu/it/lavora-con-noi/>) or send an inquiry to ufficiodocenti@hunimed.eu or telephone +39 02.8224.5642/5421.