



Courtesy translation of D.R. n. 144/2022

For more details on the selection process, please refer to the Italian version of D.R. n. 144/2022 available at <http://www.hunimed.eu/it/lavora-con-noi/>

SELECTION PROCEDURE FOR RESEARCH FELLOWSHIP

Research Program Title	The link between metabolism and epigenetics in myocardial disease
Tutor	Prof. Gianluigi CONDORELLI
Scientific Area	06 – Medical Sciences
Gross amount of the fellowship	36.000 Euro
Duration of the fellowship	24 months
Objectives of the research	In this proposal, our overall aim is to advance the understanding of how epigenetics, metabolism and mitochondrial function are interlinked in the pathogenesis of heart failure, by tackling a number of knowledge gaps, and uncover pathways that could be targeted in novel therapies. There are 3 specific aims: the first two focus on how epigenetic modifications occurring in heart failure affect the metabolism of cardiomyocytes and cardiac endothelial cells (Aim 1), and alter calcium handling and metabolism in the mitochondria of the myocardium (Aim 2); the third is centred on how a nutritional intervention may produce a positive effect on the dysregulated epigenetics leading to heart failure (Aim 3). Data will be obtained mainly in two experimental settings in mice: pressure overload-induced heart failure and an ageing model of the syndrome.
Activities to be carried out	The candidate will carry out: - Cardiovascular physiology in vivo
Work place	PIEVE EMANUELE - Milan

Mandatory requirements	Master's Degree in Veterinary Biotechnology or equivalent; PhD; scientific and professional CV suitable to the carrying out of the research activities outlines above.
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; - theoretical knowledge; - previous experience; - knowledge of the field of application; - problem solving skills; - linguistic knowledge

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. 144/2022** (<http://www.hunimed.eu/it/lavora-con-noi/>) or send an inquiry to ufficiodocenti@hunimed.eu or telephone +39 02.8224.5642/5421.