



Courtesy translation of D.R. n. 089/2023

For more details on the selection process, please refer to the Italian version of D.R. n. 089 /2023 available at <http://www.hunimed.eu/it/lavora-con-noi/>

SELECTION PROCEDURE FOR RESEARCH FELLOWSHIP

Research Program Title	Assessment of Small Airway Disease, airway inflammation and bronchial reversibility degree in patients with asthma
Tutor	Prof. Enrico Heffler
Scientific Area	06 – Medical Sciences
Gross amount of the fellowship	24.500,00 Euro
Duration of the fellowship	12 months
Objectives of the research	The peculiar feature of asthma, from an etiopathogenetic point of view, is the close interaction between chronic airway inflammation and bronchial obstruction which is classically reversible spontaneously or pharmacologically. Recent evidence has shown that the most distal airways, also called "small airways", are the respiratory district most affected by this interaction between inflammation and functional alterations of bronchial patency. The diagnostic techniques used routinely in clinical practice to evaluate airway patency (spirometric tests) are only partially and indirectly able to highlight the so-called "Small Airway Disease", while new non-invasive diagnostic methods (forced oscillometry techniques – FOT; the "Extended Nitric Oxide Analysis") are able to highlight both the obstruction and the inflammatory involvement of the small airways. The project aims to study the relationship between the degree of airway reversibility and inflammatory involvement and Small Airway Disease in asthmatic patients.
Activities to be carried out	During the project, the grant holder will carry out the following activities with enrolled patients: <ul style="list-style-type: none"> • Clinical evaluation, • spirometry,

	<ul style="list-style-type: none"> • bronchodilation test, • FOT, Extended Nitric Oxide Analysis, • Collection of questionnaires for assessing asthma control (Asthma Control Test, ACT) and quality of life (Rhinitis and Asthma Patient's Perspective, RAPP). • Collection of anamnestic data relating to asthma comorbidities. <p>Furthermore, the grant holder will carry out the statistical analysis relating to the data collected and will have to prepare scientific publications drawn from the results of the study.</p>
Work place	PIEVE EMANUELE - Milan
Mandatory requirements	<ul style="list-style-type: none"> • Master degree in Medical Sciences. • Specialty in Allergology and Clinical immunology. • 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"> • Theoretical knowledges. • Technical and organizational skills. • Fluency in English.



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. 089/2023** (<http://www.hunimed.eu/it/lavora-con-noi/>) or send an inquiry to ufficiodocenti@hunimed.eu or telephone +39 02.8224.5642/5421.