

## CALL FOR APPLICATIONS BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARD OF ONE SIX-MONTH POSTDOCTORAL RESEARCH FELLOWSHIP

Centro Cardiologico Monzino is a Scientific Institute for Research, Hospitalisation and Healthcare (IRCCS), recognised by the Italian Ministry of Health by Ministerial Decree of 7 August 1992 and subsequent confirmations in the field of cardiovascular diseases.

Within the framework of its scientific research activities, Centro Cardiologico Monzino invites applications for one postdoctoral research fellowship within the project entitled:

*“CD34+ GLP-1R+ hematopoietic stem/progenitor cell subpopulation: a novel cellular target in cardiovascular disease”* (project code: **RF-2021-12372897**; funded under the Italian Ministry of Health Ricerca Finalizzata programme.

### ELIGIBILITY REQUIREMENTS AND PREFERRED QUALIFICATIONS

To support the activities of the project, Centro Cardiologico Monzino intends to award one postdoctoral research fellowship for a period of **six months**. Applicants must meet the following eligibility requirements:

- PhD degree in molecular biology, biotechnology, pharmacology, biomedical sciences or a related discipline. Applicants holding a degree awarded abroad must attach the documentation required under the applicable procedure, including a declaration of value in loco where applicable;
- documented research experience in molecular and cellular biology and in the culture of mammalian cells;
- experience in the culture and manipulation of stem or progenitor cells,
- experience in gene-expression analysis, protein characterisation and functional cellular assays;
- practical experience with DNA/RNA extraction, RT-qPCR, SDS-PAGE and Western blotting;
- experience with cellular transfection techniques, including lipofection and/or nucleofection;
- good written and spoken English;
- ability to organise experimental activities efficiently and to work both independently and within a multidisciplinary team;
- analytical skills, scientific initiative and a problem-solving attitude.

The following qualifications will be considered an advantage:

- experience with programmable regulation of gene expression and epigenome-engineering platforms;
- experience in guide-RNA design and in silico off-target analysis;
- experience with culture and experimental manipulation of human CD34+ haematopoietic stem/progenitor cells;
- research experience in cardiovascular disease, vascular biology, vascular repair or regenerative medicine;
- experience gained in international or multidisciplinary research environments;

- scientific publications relevant to the scope of the project.

## **DESCRIPTION OF ACTIVITIES**

The selected postdoctoral fellow will carry out the following activities under the scientific supervision of Professor Giulio Pompilio and Dr Maria Cristina Vinci:

- culture, manipulation and molecular/functional characterisation of human stem/progenitor cells, including CD34+ haematopoietic stem/progenitor cells, in cardiovascular-relevant experimental models;
- investigation of molecular pathways associated with GLP-1R signalling and stem/progenitor-cell responses using gene-expression, protein, biochemical and functional assays;
- optimisation and application of targeted gene-regulation and epigenome-engineering approaches where relevant to the mechanistic objectives of the project;
- analysis and interpretation of experimental data;
- contribution to the preparation of scientific reports, manuscripts and project-related documentation;
- participation in multidisciplinary and international scientific collaborations.

## **APPLICATION DEADLINE AND SUBMISSION PROCEDURE**

Applications must be received no later than 12:00 p.m. on 19/06/2026 by certified email (PEC) sent to: [personalericerca@pec.cardiologicomonzino.it](mailto:personalericerca@pec.cardiologicomonzino.it).

Applicants must specify the following wording in the subject line: "Application for the postdoctoral research fellowship - RF-2021-12372897"

The above address is also enabled to receive messages sent from non-certified email addresses. The application must include:

- a detailed and updated European-format CV, dated and signed, describing educational and professional activities and including specific authorisation for the processing of personal data pursuant to Article 13 of Regulation (EU) 2016/679 (the privacy information and consent form must also be attached);
- any additional document or declaration considered useful for evaluation by the Selection Committee.

Centro Cardiologico Monzino accepts no responsibility for applications not received by the deadline. For submissions made by PEC, the receipt notification date and time will be considered binding. Only applications complete with the required documentation and submitted according to the procedure indicated above will be considered.

## **SELECTION METHOD AND EVALUATION PROCEDURE**

The award of the fellowship will be based on a comparative assessment of applicants' qualifications and an oral interview conducted by a Selection Committee.

The Selection Committee will be appointed in accordance with the relevant institutional procedure through a formal decision published on the website of Centro Cardiologico Monzino IRCCS.

The Selection Committee will have a total of 100 points available for each applicant admitted to the selection procedure, allocated as follows:

- a. up to 40 points for qualifications and previous experience;**
- b. up to 60 points for the interview**

The Selection Committee will define the scoring criteria for qualifications and previous experience and will use these scores together with the outcome of the interview to draw up the final ranking list. The Selection Committee will first examine the applications received, verify compliance with the eligibility requirements and subsequently assess the applicants' qualifications.

The assessment will include review of the applicant's academic and professional CV and an interview, both aimed at verifying the knowledge and skills required for the research activities described above. The assessment of qualifications will take into account the professional, cultural and scientific expertise documented through university and post-university training and previous research experience.

Only applicants meeting the eligibility requirements will be admitted to the oral interview.

Interview dates will be published on the institutional website and communicated directly to the applicants. The oral interview will explore the applicant's educational and professional experience, motivation and aptitude, as well as willingness to work in a multidisciplinary environment and engage in technical and scientific discussion. Failure to attend the interview, for any reason, will be considered a withdrawal from the selection procedure.

At the end of the procedure, the final ranking list will be published on the website of Centro Cardiologico Monzino.

The Committee's assessments will be made solely for the purpose of identifying the applicant considered most suitable for the fellowship, within the private-law autonomy of Centro Cardiologico Monzino under the Italian Civil Code. The assessments will not bind Centro Cardiologico Monzino to award the fellowship to applicants included in the ranking list. Participation in this procedure therefore does not create any entitlement to the fellowship, including for the applicant ranked first.

## **PROCESSING OF PERSONAL DATA**

Personal data, which applicants are required to provide, will be processed in accordance with Italian Legislative Decree No. 101 of 10 August 2018, adapting the Italian Personal Data Protection Code (Legislative Decree No. 196 of 30 June 2003) to Regulation (EU) 2016/679. Data will be processed solely for purposes connected with this selection procedure and any subsequent award of the fellowship, in accordance with the privacy information notice that each applicant must accept when submitting the application.

## **EQUAL OPPORTUNITIES**

This call is issued in accordance with the principles of equal opportunities for access to work and equal treatment, pursuant to Italian Legislative Decree No. 198/2006.



## **PUBLICATION**

This call is published on the Centro Cardiologico Monzino website  
(<https://www.cardiologicomonzino.it/it/page/bandi-e-concorsi-del-centro-cardiologico-monzino/495/>)  
in the “Bandi e Concorsi” section.

Milan, 11/06/2026