

## HORIZON-MSCA-Postdoctoral fellowship candidate (2023) Centro Nacional de Investigaciones Cardiovasculares (CNIC)

We are looking for a highly motivated postdoctoral researcher candidate to develop a project in the Inherited Cardiomyopathies Laboratory led by Prof. Pablo Gacia-Pavia at CNIC (Madrid). We offer incorporation via a Postdoctoral contract linked to the Horizon-MSCA Fellowship Program: (<https://marie-skłodowska-curie-actions.ec.europa.eu/calls/msca-postdoctoral-fellowships-2023>)  
*This information does not contain a job offer. Interested candidates will also need to apply officially through the official web application for the predoctoral program.*

### Description of the project:

The postdoctoral scientist will participate in an ambitious and innovative project aimed to *understand the mechanisms that lead to phenotype expression in familial (genetic) dilated cardiomyopathy*. For this, the candidate will **apply deep-learning and developing artificial intelligence tools to analyse large databases of biological parameters and genetic data of large cohorts of patients with Dilated cardiomyopathy (DCM)**. It is intriguing why despite the advances in genetic field, a genetic cause is still only detected in less than 40% of the families with DCM. Furthermore, the group has identified that patients with DCM have different prognosis according to underlying genetics. Therefore, the group is focused in identifying new mechanisms that could explain the cause of the disease in the unsolved group of patients and in developing new tools to predict patients' prognosis by combining large amount of genetic and clinical data. This position provides a unique opportunity to carry out cutting edge bioinformatics with translational applications in clinical cardiology within a dynamic and international academic environment.

### Requirements:

In addition to MSCA-requirements,

- PhD in Bioinformatics, computational biology or related areas.
- Experience working with WGS/WES data.
- Strong publications record according to his/her career stage
- Outstanding fluent communication skills in written and oral English.

### For more information see:

About the group: <https://www.cnic.es/es/investigacion/miocardiopatias-hereditarias>

About the CNIC: <http://www.cnic.es/en/cnic/index.php>

**Please if you are interested send your CV, academic record and at least one reference letter to Pablo Garcia-Pavia ([pablogpavia@cnic.es](mailto:pablogpavia@cnic.es)) before 1<sup>st</sup> of August 2023.**

