

## **Juan de la Cierva 2022 fellowship candidate**

Aragon Institute of Engineering Research (I3A) – Zaragoza, Spain

### **Positions and project**

The Biomedical Signal Interpretation and Computational Simulation (BSiCoS) group at the University of Zaragoza (Spain) seeks a Postdoctoral candidate to apply for a **Juan de la Cierva 2022 fellowship** to work on developing deep learning and artificial intelligence (AI) models to predict a broad set of cardiovascular diseases.

The candidate will be involved in 1) developing AI models (preferably using Python) to analyse biomedical signals, including the electrocardiogram (ECG); 2) mapping and investigating the mechanisms of cardiovascular risk.

### **Eligibility criteria**

The postdoctoral candidate must hold a PhD in Engineering, Mathematics or Physics obtained between **1<sup>st</sup> January 2021 and 31<sup>st</sup> December 2022**, and be main author of relevant journal publications. Expertise in programming, computational modeling and/or signal processing is required. Strong oral and written communication skills in English are a must. Experience in Python, Matlab or R programming is preferred.

### **The I3A Institute at University of Zaragoza**

The Aragon Institute of Engineering Research (I3A), <https://i3a.unizar.es/es>, within the University of Zaragoza, comprises more than 500 researchers and a vibrant environment for multidisciplinary research. BSiCoS group, <https://bsicos.i3a.es/>, is a leading group expert in the development of data science and developing models to aid in the diagnosis, prognosis and treatment of cardiovascular diseases and conditions.

### **Contact**

Interested candidates are required to send a cover letter and a 2-page CV to Dr Julia Ramírez ([Julia.Ramirez@unizar.es](mailto:Julia.Ramirez@unizar.es)) or Prof Pablo Laguna ([laguna@unizar.es](mailto:laguna@unizar.es)) **before January 23<sup>rd</sup>, 2023**.

More information on the call can be found here:

<https://www.aei.gob.es/convocatorias/buscador-convocatorias/ayudas-contratos-juan-cierva-2022>

