Get trained in Artificial Intelligence and Big Data for Cardiovascular Health at CNIC with the cardiotrAIning program

12/08/2024

This call is included in the framework of the TALENT ATTRACTION AND RETENTION PROGRAMS. Talent attraction and retention programs are one of the actions at the investment area 4, Digital Professionals, which is within component 19 of the National Digital Capabilities Plan, encompassed within Generation D, and framed within the Recovery, Transformation and Resilience Plan. The project is part of the Artificial Intelligence Strategy approved on May 14, 2024 by the Council of Ministers, in which one of the fundamental axes is training in Artificial Intelligence. Red.es, an entity attached to the Ministry for Digital Transformation and Public Function through the Secretary of State and Artificial Intelligence has allocated 120 million euros for scholarships and training contracts in Artificial Intelligence that aim to ensure the training and digital inclusion of citizens and workers.

The training plan managed by the CNIC offers **9 positions for predoctoral researchers, 3 postdoctoral researchers and 3 technicians**. The contracts will have a duration of **4 years**, with a **maximum incorporation date of 01/01/2025**.

I want to participate. How can I apply?

The deadline for submitting applications is **September 16, 2024 included**.

Applications to participate in the program as a predoctoral researcher should be submitted electronically through the following link:

- **9 positions for predoctoral researchers at cardiotrAIning**

Applications to participate in the program as a postdoctoral researcher or technician should be submitted electronically through one of the following links:

- **1 postdoctoral researcher position in AI applied to biomedical imaging**
- **1 postdoctoral researcher position in AI for the development of digital twins**
- **1 postdoctoral researcher in AI for the development of virtual screening systems**
- **1 position for an imaging technician**
- **1 position for a technician to work on Big Data analytics**
- **1 position for a technician in omics data integration for the development of CV risk scores**

Requirements and details about the offer

Each profile has some essential requirements and specific conditions that you can find out about in each of the links above.

We offer

- Joining a research centre of international scientific relevance before 01/01/2025.

- Access to an infrastructure with the most advanced technology.

- Integration in young teams in an environment of scientific excellence.

Participation in the AI and Big Data for Cardiovascular Health Training Plan with theoretical and practical content equivalent to 240 ECTS credits, which includes:

- A theoretical part that will allow the acquisition of knowledge in artificial intelligence and biomedical Big Data. The courses will be taught by renowned professionals in the field. It includes placements in different laboratories of the CNIC and on national and international collaborating entities. For more details, see Annex I.
- A practical part that will focus on the development of a research project related to the diagnosis, prevention and treatment of cardiovascular disease. For predoctoral students this project will be the topic of their doctoral thesis. The research projects will be developed at CNIC, under the supervision of groups from the centre and other national and international collaborating groups. See Annex II for details of the research lines offered.
- Annual workshops in which students will share their progress and doubts with relevant scientists in their research areas.
- Participation in the centre and program seminars organized weekly at the CNIC.
- End-of-project conference to share the results of the research of each participant.

Evaluation

The selection and recruitment process will follow the European Charter and Code for Researchers and Code of Conduct for the Recruitment of Researchers and will be merit based, independent and transparent. Applications will be evaluated on merit-based principles and their scientific excellence by external evaluators. The details are described in the corresponding job advertisements on the CNIC employment page.

You can consult the complete call for applications by clicking on this link

"*The funding for these actions/grants and contracts comes from the European Union's Recovery and Resilience Facility-Next Generation, in the framework of the General Invitation of the public business entity Red.es to participate in the talent attraction and retention programmes within Investment 4 of Component 19 of the Recovery, Transformation and Resilience Plan*".

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