

INTERNATIONAL CALL IC39_24

JOB TITLE

DATA SCIENTIST TO DESIGN AND IMPLEMENT ALGORITHMS FOR CVD PREDICTION IN WOMEN (CPP2022-010039 HARMONI)

JOB DESCRIPTION

The Pere Virgili Institute for Health Research (IISPV) is an institution that integrates research in the field of biomedicine in the "Camp de Tarragona" and the "Terres de l'Ebre". The IISPV is the instrument that the university hospitals of both health regions have been endowed with (Joan XXIII University Hospital of Tarragona, Verge de la Cinta Hospital of Tortosa, Sant Joan de Reus University Hospital, Institut Pere Mata University Hospital of Reus) and Rovira and Virgili University, in order to bring together and manage biomedical research and innovation in the territory.

The Metabolomics Interdisciplinary Laboratory group (MIL@b, 2021 SGR 00842) is aimed at advancing scientific and technological knowledge in metabolomics. MIL@b is co-lead by Dr. Maria Vinaixa and Dr. Oscar Yanes and it is integrated by 20 scientists including full and associate professors, PhD students, post-doctorate researchers and technical staff who are affiliated to the Department of Electronic, Electrical and Automatic Engineering DEEEiA at Universitat Rovira i Virgili (URV) and to the Institut d'Investigació Sanitària Pere Virgili (IISPV). These scientists pull together all necessary backgrounds to conduct frontier research in metabolomics. Our vision is to apply engineering and technology principles to understand metabolism from a systems perspective helping to move forward precision and personalized medicine. Our main research activities focus is twofold: developing cutting-edge technologies to turn metabolomics into a functional genomics tool and deploying such technologies to the study of non-communicable multigenic and multifactorial diseases such as diabetes and cardiovascular diseases.

Number of available positions: 1

The selected candidate will perform the following tasks:

- Identification of the impact of age (and biological menopause) in the multiomics profile of a cohort of women at risk of atherosclerosis progression
- Generation of improved algorithms to predict CVD in women.
- Software development for decision support & web application development.

CANDIDATE PROFILE & REQUIREMENTS

- Degree in Computer engineering/Biomedical Engineering/ Mathematics / Statistics / Physics / Bioinformatics
- Master/ Specialization in Artificial Intelligence
- Experience in cloud computer solutions development.
- Speaking and written english skills.
- Additional training related to the field of computational metabolomics will be valued

IT WILL BE VALUED

- Motivation, creativity, initiative and proactive attitude.
- Ability to learn, flexibility and adaptability.
- Commitment to quality, to optimizing resources and to achieving results.
- Previous experience in similar projects.
- Ability to identify and solve problems.
- Teamworking, ability to work independently, to organize, kindness, dynamism, versatility, rigour, responsibility and confidentiality
- Carry out research under supervision
- Have the ambition to develop knowledge of research methodologies and discipline
- Have demonstrated a good understanding of a field of study
- Have demonstrated the ability to produce data under supervision

LABOUR CONDITIONS

- Full-time position
- Workplace: Hospital Universitari Sant Joan de Reus / 242 Lab-DEEEiA (ETSE-URV) / Teleworking
- Contract: Temporary linked to the project CPP2022-010039 HARMONI within the framework of the PRTR, 1 year (Recovery, Transformation and Resilience Plan)
- Gross annual salary: 35.000-36.000 €
- Starting date: September 2024

SELECTION PROCEDURE

- Selection of CV's. Suitable and unsuitable CV's will be identified according to the requirements. Applicants who do not meet the requirements indicated in the candidate profile and requirements will not pass to the next phase.
- Evaluation of the CV. Evaluation of the CVs up to a maximum score of 50 points.
- Cover Letter. Attach to the resume a cover letter with a maximum length of 2500 characters with spaces. With a maximum score of 10 points.

To access the interview phase it is necessary to have obtained a minimum score of 40 points in the sum of scores of the evaluation of the curriculum and cover letter

- Personal interview. With a maximum score of 40 points.

Items	40
Attitude	10
Fit in the work place	5
Experience, developed functions/skills	20
Teamwork	5

SELECTION COMMITTEE

- President: Maria Vinaixa (Group Leader)
- Chair 1: Nuria Amigó (Principal Investigator)
- Chair 2: Oscar Yanes (Principal Investigator)

SUBSTITUTES:

- President: Pere Ràfols. (Principal Investigator)
- Chair 1: Xavier Correig. (Principal Investigator)
- Chair 2: Jordi Capellades (Post-doctoral Researcher)

CANDIDATURES

- The CV must include the DNI/NIE number or another personal identity document number.
- The CV and the Cover Letter will only be accepted through the IISPV website. <https://www.iispv.cat/treballa-amb-nosaltres/>

For any questions or queries: recruitment@iispv.cat

DEADLINE FOR RECEIPT OF CV 23/08/2024

COMMUNICATIONS

The IISPV will notify the candidates of the results of the different phases of the selection process through its website.

HR EXCELLENCE IN RESEARCH

The IISPV has the European accreditation The Human Resources Strategy for Researchers (HRS4R), complies with the general principles of the European Charter for Researchers and the Code of Conduct for the recruitment of researchers.

The IISPV has an internal recruitment policy that follows the Open, Transparent and Merit-based Recruitment (OTM-R) policies. More information about the HRS4R policies implemented at the IISPV is available on the following website: <https://www.iispv.cat/hrs4r-hr-excellenceresearch/>

The IISPV will guarantee the right to equal opportunities and treatment, as well as the real and effective exercise of rights by people with disabilities under equal conditions with respect to other citizens, through the promotion of personal autonomy, universal accessibility, access to employment, inclusion in the community and independent living and the eradication of any form of discrimination, in accordance with articles 9.2, 10, 14 and 49 of the Spanish Constitution and the International Convention on the Rights of Persons with Disabilities and international treaties and agreements ratified by Spain.

In the event of a tie, priority will be given to hiring the person with a disability.

In the event of a tie between people of different genders, the person of the least represented gender in the work group/department/service in which he joins will be hired.