

INTERNATIONAL CALL IC37_24

JOB TITLE

Collaboration grant in for the project ADAM Automation of Metabolomics Data Analysis.

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.

We offer a part time (20h) collaboration grant for a last year undergraduate student/Master student of the course 2023-2024, 2024-2025 and 2025-2026.

The Oncology, Translational, Epidemiological and clinical research group – GIOTEC belongs to the Institut d'Investigació Sanitària Pere Virgili (IISPV). This Group aims to research the three main levels of oncological knowledge: population level, individual level, and molecular level.

The person will be joining the project: "ADAM Automation of Metabolomics Data Analysis". The main objective of the ADAM project is to develop a comprehensive and automated platform for the efficient, accurate, and reproducible analysis of metabolomics data.

Researcher career profile (R1)

The selected candidate will perform the following tasks:

- Data management and preprocessing of metabolomics data from various sources.
- Implement pipelines that streamline the entire data analysis process from raw data to results.
- Conduct statistical tests to identify significant differences or correlations in metabolomics data.

- Create visualizations to help interpret and present metabolomics data findings.
- Compile analysis results into comprehensive reports.

Number of available positions: 1

CANDIDATE PROFILE

- Last year undergraduate Student/master Student of Biomedical Engineering or Data Science
- Availability to work part-time.

REQUIREMENTS

- Be a current student of the official degrees/Master of Biomedical Engineering or Data Science
- Previous experience on Python coding.
- Previous experience on the automation of data acquisition or processing processes in metabolomics/lipidomics/volatilomics.
- Knowledge of databases mangament.

IT WILL BE VALUED

- C1 English level.
- Team working and Motivation for the proposed research topic
- Good academic track record. Average grade to date: >6.5
- Good written and oral communication skills
- Previous experience on developing databases.
- Previous experience on different programming languages.

LABOUR CONDITIONS

- Part-time position (20h/week)
- Workplace: Hospital Universitari Sant Joan de Reus.
- Contract: 2 years
- Gross Salary: 627,53€/month. Grant in for the project ADAM Automation of Metabolomics Data Analysis
- Starting date: August, 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 40 points.
- Cover Letter. Attach to the resume a cover letter with a maximum length of 2500 characters with spaces. With a maximum score of 20 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	5
Fit in the work place	10
Experience, developed functions/skills	20
Teamwork	5

SELECTION COMMITTEE

- President: Dr. Josep Gumà (Group Leader)
- Chair 1: Dr. Raquel Cumeras (Princial Investigator)
- Chair 2: Sra. Rocío López (Technical staff)

SUBSTITUTES:

- President: Dr. Joan Borràs (Group leader)
- Chair 1: Dra. Sara Fernández-Castillejo (Postdoctoral Researcher)
- Chair 2: Dr. Marta Rodríguez-Balada (Princial Investigator)

CANDIDATURES

- The CV must include the number in DNI / NIE or personal identity document.
- Send the CV and the Cover Letter through the IISPV website.

For any questions or queries: recruitment@iispv.cat

DEADLINE FOR RECEIPT OF CV: 26/07/2024

COMMUNICATIONS

The IISPV will inform candidates through the website if they have been admitted or excluded from accessing the interview.

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.