

## **INTERNATIONAL CALL IC54\_23**

### **JOB TITLE**

Researcher on environmental and analytical chemistry 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 full-time contract** in the benchmark of the project "OnBREATHE: Personal air quality monitoring & data digitalisation to track chronic respiratory diseases" funded by the Instituto de Salud Carlos III with reference PMPTA22/00028. The OnBREATHE project is a collaboration of different groups of the IISPV and the University Rovira i Virgili, led by the Environmental Toxicology and Metabolomics group (<http://deeea.urv.cat/thspjroject/>), part of the Pediatrics, Nutrition and Human Development Research Unit (<https://www.iispv.cat/es/grup/unitat-de-recerca-en-pediatria-nutricio-i-desenvolupament-huma-urpndh/>), and including the Microsystems Nanotechnologies for Chemical Analysis Research Group (<http://deeea.urv.cat/grupminos/>), and the research group in Chromatography and Environmental Applications (<http://www.croma.urv.cat/ca/>).



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Plan de Recuperación,  
Transformación y Resiliencia



Financiado por  
la Unión Europea  
NextGenerationEU

Number of available positions: 1

The selected candidate will work in close collaboration with the Principal Investigator of the project (Dr Noelia Ramírez) and perform the following tasks:

- Development of target and nontarget analytical methods to characterise air pollutants in miniaturised sorbent tubes.
- Support on the development of the personal sampler device: calibration, lab and field tests.
- Support to the clinical groups during the clinical validation of the device.
- Data analysis including analytical, environmental and clinical data.
- Dissemination of the results in workshops and conferences.

### **CANDIDATE PROFILE & REQUIREMENTS**

- Degree in Chemistry, Biochemistry, Biotechnology, Biochemical Engineering or similar.
- Experience on biological and environmental sample preparation.
- Experience on sample analysis using chromatography and mass spectrometry
- Previous experience on chemical and biochemical data processing
- Knowledge on Matlab, Python or R programming

### **IT WILL BE VALUED**

- Master's in chemistry, Analytical Chemistry, Bioinformatics, Data Science, Biomedical research or similar.
- Previous experience environmental non-targeted analysis and/or on metabolomics
- Team working and motivation for the proposed research topic
- 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;
- Be capable of critical analysis, evaluation and synthesis of new and complex ideas;
- Be able to explain the outcome of research (and value thereof) to research colleagues

- Fluent level of English.

### **LABOUR CONDITIONS**

- Full-time position (40 h)
- Workplace: Biomedical Research Labs, Hospital Universitari Sant Joan de Reus
- Contract: Temporary, 18 months.
- Gross annual salary: 27852,43 €
- Starting date: September 2023

### **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.
- Motivation 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 motivation letter

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

<b>Interview</b>	<b>40</b>
Attitude	5
Fit in the workplace	10
Previous experience and skills	20

Team work capabilities	5
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## **SELECTION COMMITTEE**

- President: Noelia Ramírez. (Group Leader)
- Chair 1: Raquel Cumeras. (Principal Investigator)
- Chair 2: Camilla Guerrini. (Researcher)

### SUBSTITUTES:

- President: Maria Vinaixa. (Principal Investigator)
- Chair 1: Pineda Molas (Technical Staff)
- Chair 2: Óscar Castro. (Postdoctoral Researcher)

## **CANDIDATURES**

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

For any questions or queries about the recruitment process:  
[recruitment@iispv.cat](mailto:recruitment@iispv.cat).

For further information about the position, please contact the principal researchers: [noelia.ramirez@iispv.cat](mailto:noelia.ramirez@iispv.cat)

## **DEADLINE FOR RECEIPT OF CV 02/08/2023**

## **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.