

## **INTERNATIONAL CALL IC41\_23**

### **JOB TITLE**

PHD POSITION AT IISPV/IMIM

Researcher career profile (R1)

### **JOB DESCRIPTION**

The successful candidate will join a young and dynamic scientific community and be supervised by two labs: the Gerard Muntané Lab, at the Institut d'Investigació Sanitària Pere Virgili (IISPV), Tarragona, and Gabriel Santpere lab, at the Research Programme on Biomedical Informatics (GRIB-IMIM/UPF), located at the Biomedical Research Park of Barcelona. Gerard Muntané is a researcher in the Genetics and Environment in Psychiatry (GAP) group, which is part of the Strategic Area of Neurosciences and Mental Health of the IISPV. Gabriel Santpere is the head of the recently formed Neurogenomics group at the GRIB-IMIM. His group is interested in the mechanisms that lead to brain specializations, including the human manifestations of multiple neuropsychiatric disorders.

We are looking for highly motivated and qualified candidates for a 3-year contract to perform the PhD in a project funded by La Marató de TV3 entitled: "INSCRIPTION: An integrative approach to schizophrenia risk prediction leveraging genetics, brain imaging and neuroepithelium's transcriptome". The project will focus on the genetic bases of mental health disorders, with special focus on schizophrenia, and how we can combine multimodal data extracted from patients recruited for this project, to improve our prediction of schizophrenia. The candidate will also co-lead the dissemination of results in papers and meetings.

Convocatòria de treball vinculada al projecte amb codi d'identificació 202230 30 31 32, que compta amb el suport de la Fundació La Marató de TV3 com a entitat financiadora.

Number of available positions: 1

The selected candidate will perform the following tasks:

- Conduct original research using techniques such as genome-wide association studies, gene expression analysis, Polygenic Risk Scores and functional genomics.
- Conduct data analysis and prepare data for presentation in peer-reviewed journals and at professional meetings under the supervision of the project coordinators.
- Liaise with and coordinate experimental duties with medical Doctors.
- Attend and present at conferences and workshops.
- Participate in relevant coursework and seminars.

### **CANDIDATE PROFILE & REQUIREMENTS**

- Degree in Biology, Biochemistry, Biotechnology, Bioinformatics or related.
- Master's degree in bioinformatics or a related field (or within the last year).
- The researcher must be admitted in the doctoral programme before the signature of the contract.
- Competence and experience with programming.
- Previous experience and formal training in programming and data analysis with R or Python (e.g., master's in bioinformatics).

### **IT WILL BE VALUED**

- Motivation, creativity, initiative and proactive attitude.
- Ability to learn, flexibility and adaptability.
- Excellent communication and writing skills in English.
- 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
- Have the ambition to develop knowledge of research methodologies
- Be capable of critical analysis, evaluation and synthesis of new and complex ideas

- Communication and environment skills, especially in an international context
- Ability to work collaboratively and with a high degree of autonomy.

### **LABOUR CONDITIONS**

- Full-time position (40h/week)
- Workplace: Facultat de Medicina de Reus
- Contract: Predoctoral Contract (3 years)
- Gross annual salary: 22.000€ approximately (it will be updated according to the grant).
- Approximate starting date: May/June 2023

### **SELECTION PROCEDURE**

- Selection of CV's. Suitable CV's will be identified according to the requirements. Applicants who do not meet the requirements will not pass to the next phase.
- Evaluation of the CV. Evaluation of the CVs up to a maximum score of 30 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 50 points.

<b>Items</b>	<b>50</b>
Attitude	10
Fit in the work place	15
Experience, developed functions/skills	10
Teamwork	15

## **SELECTION COMMITTEE**

- President: Gerard Muntané (Group Leader)
- Chair 1: Gabriel Santpere (Principal Investigator)
- Chair 2: Lourdes Martorell (Principal Investigator)

### SUBSTITUTES:

- President: Elisabet Vilella (Principal Investigator)
- Chair 1: Carles Falcón (Principal Investigator)
- Chair 2: Selena Aranda (Predoctoral Researcher)

## **CANDIDATURES**

- The CV must include the DNI/NIE number or another personal identity document number.
- Send the CV and the Cover Letter through the IISPV website.  
[https://www.iispv.cat/oferta-de-treball/ic41\\_23-phd-position-at-iispv-imim/](https://www.iispv.cat/oferta-de-treball/ic41_23-phd-position-at-iispv-imim/)

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

## **DEADLINE FOR RECEIPT OF CV 10/04/2023**

## **COMMUNICATIONS**

The IISPV will inform the candidates if they have been admitted or excluded to access the interview.