

P-FIS 2023 Host in Nutrition, Omics, Cognition and Dementia - Call for Candidates

The research group in Nutrition and Metabolic Health from the Department of Biochemistry and Biotechnology at the University Rovira i Virgili and the Pere Virgili Health Institute (IISPV), both located in Tarragona, Spain, are interested in receiving Letters of Interest of potential candidates for the P-FIS 2023 Pre-doctoral programme

The title of the proposed project: A comprehensive life-style and multi-omics integrative approach to study metabolic processes related to cognitive function, cognitive decline and progression to dementia

During the last years, our research group has successfully applied metabolomics on epidemiological research. Our work on nutritional epidemiology has included metabolomics as an important approach to decipher the interactions between diet and health. Applying metabolome wide-association studies we identified metabolite profiles associated with the consumption of foods, dietary patterns, satiety, metabolic conditions (insulin resistance, increased adiposity), and cardiometabolic diseases (type 2 diabetes, heart failure, atrial fibrillation) that contributes to a better understanding of diseases and could provide future targets for nutritional and/or pharmacological treatments. Recently, our interest has expanded to cognitive decline, and dementia/Alzheimer's disease. We are looking for a researcher to develop his/her skills in a human observational study on life-style, multi-omics, microbiota and cognitive decline.

We are looking for talented and innovative young scientists, strongly committed to high quality frontier research and able to add new insights to the existing IISPV core expertise.

The IISPV is a biomedical research institute placed in the province of Tarragona (Catalonia, Spain) that combines clinical and basic research in order to accelerate the translation of knowledge to the benefit of patients. The IISPV aims to be a national and international reference centre in biomedical research and translation, at the service of the population, linking the health centres to the community.

Founded in 2005, the institute integrates the Hospital Universitari de Tarragona Joan XIII, the Hospital de Tortosa Verge de la Cinta, the Hospital Universitari Sant Joan de Reus, the Hospital Universitari Institut Pere Mata and the University Rovira i Virgili, in order to bring together and manage biomedical research and innovation in the territory. This is an on-site post and the researcher will attend physically to the IISPV facilities on a regular basis.

The IISPV has a high profile among the country's research institutions and is part of the CERCA institution (Research Centres of Catalonia Institution (I-CERCA)). Furthermore, the research groups enjoy international prestige, belonging to different European networks and working in close collaboration with researchers around the world.

ELIGIBILITY CRITERIA

- Health Science related degree (marks above 8.0)
- Master in Health Sciences, Bioinformatics or Biostatistics (marks above 8)
- Fluent in Catalan, Spanish and English (written and spoken)
- At least 1 publication
- Fitting the specific rules of the national call available at <https://www.isciii.es/QueHacemos/Financiacion/solicitudes/Paginas/default.aspx>

SELECTION PROCESS

Researchers willing to apply should check that they fulfil the eligibility criteria and then send an expression of interest, consisting of:

- A detailed Curriculum Vitae.
- A copy of Degree and Master's Degree marks (with national equivalences if needed).
- A motivation letter (1 page).

Expressions of interest must be submitted to monica.bullo@urv.act (Subject of the e-mail: IISPV- PFIS2023).

Proposals will be pre-selected on the basis of internal evaluation. Candidates will be informed of the results of the pre-selection a week after the deadline (20nd April 2023).

