

Seeking applicants for Marie Skłodowska-Curie Actions Postdoctoral Fellowships (MSCA-PF) at Pere Virgili Institute for Health Research (IISPV)

OFFER DESCRIPTION & REQUIREMENTS:

The objective of the proposal is to explore several hypotheses using an extensive database of children with obesity deeply phenotyped, including intestinal microbiota, metabolomics, diet, physical activity, body composition and cardiometabolic health markers, who received an intervention to improve their body mass index.

We are looking for a **candidate** with experience in **omics data analysis** or having performed analysis of any of the major omics to examine the data at IISPV, since the scientific challenge of the research line includes: (a) finding potential changes in gut microbiota associated with dietary pattern improvements in paediatric patients with obesity, (b) identifying mechanisms linking gut microbiota to the development of cardiovascular risk in paediatric patients with obesity: analysis of short chain fatty acid production, and (c) analysing the gut microbiota functionality by linking it to metabolomics in the same population.

The selected candidate will be invited to work on the proposal together with Dr. Veronica Luque and the International Projects Unit of IISPV starting in June 2023. Therefore, it is important to have availability during the summer months for the preparation of the proposal, which has a deadline of September 2023.

In addition, the applicant must meet the eligibility and mobility requirements of the Marie Skłodowska-Curie Actions Postdoctoral Fellowships.

For eligibility: Have a Doctoral degree and have a maximum of 8 years of full-time equivalent research experience.

For de mobility: The candidate has not resided or carried out his/her main activity (e.g., work, studies) in the country of the Host Institution for more than 12 months in the 3 years immediately prior to the reference date (exceptions to this apply under the career restart and reintegration panels).

RESEARCH GROUP:

The Paediatrics, Nutrition and Human Development Research Unit (URPNDH) is a multidisciplinary research group (paediatricians, gastroenterologist, endocrinologists, nephrologists, dietitians, biologists) whose aim is to carry out high-quality research, closely collaborating with other research groups and also with the professionals responsible for clinical

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practice, to help providing answers to the most common health problems currently affecting the paediatric population. The main research lines are focused on studying health problems related to nutrition, such as obesity or celiac disease, as well as the effect of infant feeding on their health and subsequent development through 'metabolic programming'. The URPNDH also aims to develop critical and systematic literature reviews of aspects related to its research lines from an evidence-based medicine approach. Dr. Luque at Pere Virgili Institute for Health Research focuses on evidence-based medicine research activities to develop tools for prevention and clinical management of the most common nutrition-related health problems in the paediatric population.

HOST INSTITUTION:

The Pere Virgili Institute for Health Research (IISPV) is the institution that integrates biomedical research of Camp de Tarragona and Terres de Ebre. The IISPV is the instrument provided by the university hospitals of the province of Tarragona (University Hospital of Tarragona Joan XXIII; Hospital Verge de la Cinta de Tortosa; University Hospital Sant Joan de Reus; University Hospital Institut Pere Mata de Reus) and the Universitat Rovira i Virgili, in order to bring together and manage biomedical research and innovation in the territory.

We are an institute that is committed to our society and we promote health research in our territory with the aim of improving well-being and transferring knowledge to patients.

In 2022 IISPV has renewed its commitment with Human Resources for Researchers obtaining HRS4R certification, getting the accreditation and the official European seal in HR Excellence in 2015, as well as having the 2015 Action Plan approved by the European Commission.

IISPV and URV university work together to promote and organize training activities applied to research, thus our staff can access to several courses

The Institute's training committee is fully consolidated; a form is sent annually to all staff to send us their training needs or proposals. We consult with different experts in the subjects chosen by our professionals and the Training Plan is drawn up at the beginning of the year with the entire schedule for courses, workshops, etc.

The institution is committed with the following areas: gender perspective, open access, data processing and social impact. And it organizes these workshops annually.

In addition, the training committee also organises a minimum of four annual seminars, currently online, in which R1 staff present their work and hold joint talks. Each of these seminars is also attended by an external expert who shares their work with our research staff.

HOW TO APPLY?

The applicant who wishes to apply must express their interest by sending an email to upi@iispv.cat with the subject "**MSCA-PF Manifestation of interest PEDIATRICS - CANDIDATE NAME**" before 10th June 2023. For any technical questions, please contact Dr. Luque at veronica.luque@urv.cat. The email must include:

- 1) Curriculum Vitae.
- 2) A brief outline of the proposed research project with defined objectives (max 2 pages).
- 3) Motivation letter.

