



YOUNG POSTDOCTORAL RESEARCHER CALL

Biologist-Health Sciences-Epidemiology

Our Human Nutrition Research group is looking for enthusiastic young PostDoc candidate to apply to a 2-year contract INVESTIGO in the field of determinants of health related to exposome.

The title of the ongoing project in which the candidate will be included is: Dietary, environmental and lifestyle determinants associated with the seminogram and other parameters related to male fertility (the LED-FERTYL study).

The overarching goal of our project is to analyze in a cohort of healthy male participants the potential determinants of seminogram parameters including food and nutrient intake, physical activity, sedentarism, tobacco and alcohol use and presence of persistent organic pollutants and to assess potential age-related mechanisms including sperm DNA methylation profiles, leucocytes and sperm telomere length, oxidation processes and other determining sperm functionality.

Led-Fertyl is an ongoing prospective study with 200 included male participants aiming to be enlarged with the participation of other recruiting centers from Spain, Poland, United Kingdom and USA and the collaboration of other leather Research groups.

The position will involve: project manager, data manager, statistical analysis of data, recruiting participants, set-up new molecular biology techniques, supervise and coordinate laboratory tasks; supervise and coordinate PhD candidates and degree/master projects; participate in other studies conducted in the context of the research group; and drafting publications related to the project and the scope of the group. We will be offering to the candidate several benefits concerning of professional and personal growing-up (mobility, training and dissemination) related to this call.

FIELD RESEARCH

- Molecular Biology
- Epidemiology-biostatistics
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TRAINING AND EXPERIENCE / QUALIFICATIONS

- **Degree** in Biology, Biotechnology, Medicine, Biomedicine, Pharmacy, Biochemistry or similar
- **Science Master's degree**
- **PhD** in Biology, Biomedicine or similar
- **Experience in basic laboratory techniques**
- Demonstrated record of **scientific achievement** in the scope of the project
- Experience in statistical analysis

SKILLS

- Motivated, self-directed researcher capable of setting and meeting deadlines and delivering research outputs
- Strong organization and team-working skills
- Effective verbal and written communication skills
- Good level of English (written and spoken)



CONDITIONS

- Duration: 2 years, renewable
- Starting date: between June and September 2023
- Contract: Full time
- Gross salary: 23.113 euros/year

Applicants must send a full **CV** (CVA and CVN versions, if possible) and a **COVER LETTER** to the following address:
jordi.salas@urv.cat

Each attached document must be named with the candidate's name, surname, and Reference: "POSDOC BIO"
The receipt of applications will be open until 28/05/2023

THE HOSTING RESEARCH GROUP

The Human Nutrition Unit (HNU) at the Rovira i Virgili University (URV) in Reus, is an interdisciplinary and dynamic team with extensive experience and sufficient autonomy in developing epidemiological studies, clinical trials, and basic research. The scope of this research group is to evaluate the effect of dietary patterns or dietary compounds on obesity, type 2 diabetes (T2D), metabolic syndrome (MetS), cardiovascular diseases (CVD), and male fertility. We focus on the effect of dietary components and functional foods on energy balance, lipid profile, inflammation, oxidation, and glucose metabolism, as well as on the effect of dietary patterns on the primary prevention of CVD and diabetes.

Our research group is leading different large clinical trials and longitudinal cohort studies of which three of them (PREDIMED-Plus, CORALS and LEDFERTYL) are ongoing and need to be highlighted.

1. PREDIMED-Plus study. Is a national and international funded project aimed to evaluate the effect of an intensive weight loss intervention based on an energy restricted Mediterranean diet, physical activity promotion, and behavioral support on hard cardiovascular events in comparison with a control group receiving usual care, including the recommendation to follow an energy-unrestricted Mediterranean diet without any advice to increase physical activity. The primary endpoint of this trial with more than 6500 participants followed by 8 years is a composite of CVD events (cardiovascular death, nonfatal myocardial infarction, and nonfatal stroke), but also, we will ascertain other secondary obesity-related endpoints and intermediate risk factors. Omics' techniques are used to analyze predictors of disease (diabetes, cardiovascular disease...), and mediation effects of diet on these outcomes and the effect of interventions.
2. CORALS study, is a prospective multicenter (7 research groups in Spain) pediatric cohort study led by our group, with a planned 10-year follow-up of 1500 children that allows us to explore the association between the lifestyle and adiposity, cognition and CVD risk factors. This study started four years ago and we are collecting a large amount of information in repeated measurements and biological samples.
3. LEDFERTYL study. Briefly explained before and object of this call.

The research group is one of the most productive groups of our area, publishing more than 100 scientific papers per year, with projects funded by competitive grants from Spain, USA and Canada. The team is composed of a multicultural group of researchers with different backgrounds and have multiple national and international collaborations.