**CALL FOR SENIOR POST-DOCTORAL RESEARCHER IN MICROBIOME ANALYSES RELATED TO HUMAN HEALTH-**

The research Group in Nutrition and Metabolic Diseases from the Department of Biochemistry and Biotechnology and TecnATox, at the University Rovira i Virgili lead by Dra Mònica Bulló is seeking a post-doctoral researcher to take responsibilities of the microbiome analyses conducted in the group.

The research group has an International recognised experience in the field of human nutrition and non-communicable health diseases, mainly obesity, T2D, CVD and more recently mental Health and cognitive decline. Researchers from the group are currently involved in several national and international studies to evaluate the role on human microbiome on health and disease, and to integrate microbiome data with metabolomics and epigenetics.

**Specific Responsibilities**

The post-doctoral researcher’s primary responsibility will be to coordinate the development and execution of these microbiome sample collection projects and to conduct the biostatistical research for human microbiome analysis. Specifically, the affiliated project duties for this position will comprise coordinating standardized sample collections, laboratory analyses, computational and biostatistics analysis of generated data, results interpretation/discussion with collaborators and grants preparation. This position will also entail work with other researchers in the group applying existing microbiome informatics and statistical tools to human microbiome sequence datasets, both in human collections and animal models, to conduct microbial community multi-omics analyses (metagenomes, metatranscriptomes, metabolomes, etc.) to identify microbes and microbial gene products and small molecule metabolites with novel human metabolic activities. This researcher will be responsible for biostatistical methods development for microbiome quantitative, metagenomic, and multi-omic data on the project, with a particular focus on bacterial members of the human gut microbiome.

PLEASE NOTE: Selected candidates will apply for a competitive grant with a term end date of two years from date of hire

**Basic Qualifications**

+2 years of PhD Degree

Related experience required

Working knowledge in R software and/or Python required

**Additional Qualifications and Skills**

The following job-specific skills and competencies are preferred:

Advanced degree in Biology, Bioinformatics, Biomedicine, Computer Science, Biostatistics, or related field

Basic familiarity with scientific software management, and in Linux/Unix software environments for scientific computing and computing clusters

Familiarity with molecular biology, microbiology, and/or genomics

Strong interpersonal skills; experience and willingness to collaborate with and coordinate among other research groups

Flexibility in adapting to changing research needs

Strong, detailed-oriented writing and communication skills

Experience working independently, as well as experience and/or desire to work in an interactive, collegial, and interdisciplinary group

Excellent record of scientific contributions, publications, and presentations; primary or key author on one or more major presentations and papers.

Must be able to handle a variety of tasks, to effectively solve problems with numerous and complex variables, and to shift priorities rapidly.

**Contact:**

If you are interested, send a full CV and a LoI to [monica.bullo@urv.cat](mailto:monica.bullo@urv.cat)

**Deadline 25th July 2021**