The Biomarkers and Nutritional & Food Metabolomics research group is seeking a highly motivated postdoctoral candidate with a PhD in Chemistry, Nutrition, Biology or related, to apply to Juan de la Cierva call. The selected candidate will make a significant contribution to research activity within the group, building on our research success in the ongoing European Projects (information below), and integrating with our main research strength, biomarkers and nutritional metabolomics. Preference will be given to highly motivated candidates with experience in liquid chromatography mass spectrometry, nutrition, bioinformatics or statistics.

1 Principal Duties and Responsibilities
- To maintain and further build an international reputation as an outstanding researcher in nutrition/metabolomics/statistics through publication of high quality papers
- To carry out the tasks of the European projects of the group, including targeted or untargeted metabolomics studies
- Gather and disseminate scientific results in a way that is adapted to different stakeholders
- To be responsible for the treatment and interpretation of metabolomics data.
- Attracting external funding at a level commensurate with appointment;
- Another important aspect involves collaboration within academia and with society at large. The position is meritorious for future research duties within academia as well as industry/the public sector

2 Requirements

Education, Experience & Achievements
- PhD degree in chemistry, biochemistry, nutrition or related disciplines.
- A track record of research in metabolomics, nutrition and statistics.
- Experience in the analysis of clinical/human studies using LC-MS.
- Excellent understanding of statistical tools for analyzing metabolomics data.
- Experience or research interest in an area of nutritional biomarkers and metabolomics.
- National reputation in research in biomarkers.
- High motivation and the ability to be involved in an international multidisciplinary team.
- Excellent written and verbal skills.
- Proactive and excellent interpersonal skills.
The competitiveness of the candidate in the Juan de la Cierva program will be evaluated based on the information included in the CV in respect with the selection criteria of the last available call. (publication track, Impact Factor, leadership in publication, international background, research leadership).

**Skills & Knowledge**

- Research interests that complement current research focus.
- Communicate conceptual and complex ideas to a variety of audiences.
- Demonstrable communication skills in English language.
- Successful grant writing ability, commensurate with experience.

**Desirable criteria:**

- Experience in statistical analysis of complex datasets.
- Experience of human intervention trials.
- Ability to liaise with the industry for research support.
- Ability to engage and build cross-disciplinary research.

**Personal Attributes**

- Active research agenda in biomarkers/metabolomics approaches.
- Enthusiasm to teach biochemistry and/or nutrition across a number of body systems to medical students and further enhance the curriculum.
- Excellent written and verbal skills.
- Excellent interpersonal skills.
- Enthusiastic, self-motivated.
- Ability to work well in a team.
3 The research group

The BIOMARKERS AND NUTRITIONAL & FOOD METABOLOMICS research group (http://www.nutrimetabolomics.com
@NutriMetabolom) with Quality Certification (2017SGR1566) is leaded by Dr. Cristina Andres-Lacueva (ORCID: 0000-0002-8494-4978) and belongs to Department of Nutrition, Food Sciences and Gastronomy from the University of Barcelona, is part of the Catalonian Reference Network on Food Thecnology (XaRTA), the Institute of Research in Food Nutrition and Safety (INSA) and the CIBER of Fragility and Healthy Ageing (CIBERFES). The group actively participates in European projects H2020, EIT-Health, and EU-Joint Programming Initiative a Healthy Diet for a Healthy Life (JPI HDHL). Our activity has comprised different purposes: i) the understanding of qualitative and quantitative links between diet, nutritional phenotype and risk factors for diet-related chronic diseases; and ii) the discovery of proper and predictive biomarkers that characterize the trajectory from health to disease in the context of dietary intake and phenotypic changes.

Selection of active projects of the group (2018-2023):

2. EU JPI HDHL-METADIS Tailored Carbohydrate Quality for Personalized Weight Management and Metabolic Health Carb-Q-4-Health
4. EIT-Health/H2020. Innovating the joy of eating for healthy ageing
5. EU JPI HDHL-INTIMIC. Diet and microbiome based metabotypes for the determination of cardiometabolic risk and adapt intervention strategies for health improvement (DiGuMet)
6. EU JPI HDHL- Nutrition and Cognitive Function Identification of dietary modulators of cognitive ageing and brain plasticity and proof of concept of efficacy for preventing/reversing cognitive decline (D-CogPlast)
7. EU - JPI HDHL Joint Action -INTESTINAL MICROBIOMICS ACTION. Gut and blood microbiomics for studying the effect of a polyphenol-rich dietary pattern on intestinal permeability in the elderly (MAPLE).
8. ICREA Academia 2018 Award

4. How to apply

Interested applicants should send their CV and cover letter to nutrimetabolomics.ub@gmail.com with the reference code “Name”_postdoc_2019. All data will be treated confidentially.
Successful shortlisted candidates may be notified of their interview times by telephone and/or e-mail and it is therefore essential you include both of these in your application.
The first interview may me on Skype, please add a Skype contact.