

 VALENCIA BIOMEDICAL RESEARCH FOUNDATION CENTRO DE INVESTIGACIÓN PRINCIPE FELIPE	FORM	D100-P-02-F-01
	JOB OFFER	
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Reference: R2.I.01/2024

Position title: Researcher R2.I

Groups: Prof. Antonio Vidal-Puig -Obesity and Metabolic Regulation group and Dr. Stefania Carobbio- Obesity, Diabetes and Comorbidities group.

Project Description: (Project Purpose and Main Objective):

The project: Role of Chemical Endocrine Disruptors (EDCs) on Metabolically Associated Fatty Liver Disease (MASLD).

MASLD is the condition of excessive hepatic fat accumulation unrelated to alcohol intake, ranging from simple steatosis to metabolic dysfunction-associated steatohepatitis (MASH). With a prevalence of 25% in the general population, MASLD is currently the most common liver disease and poses a significant health and economic burden. While hyperlipidaemia, obesity and insulin resistance are the main risk factors for this disease and contribute to its increasing prevalence, there is growing evidence that exposure to endocrine-disrupting chemicals (EDCs) may initiate and/or lead to the progression of MASLD. The EDC-MASLD project will investigate the impact of environmental exposure to EDCs on the internal exposome and the degree of liver damage in MASLD in prospective study settings, focusing on the transition period to the progressive stages of MASLD. EDC-MASLD focuses mainly on the interactions between EDC exposure, sex, genotype, diet, and socio-economic and lifestyle factors. EDC exposure studies will be performed in murine models of MASLD to understand their respective mechanisms of action and develop new EDC screening tools. This project is funded by the European Union and is part of a collaborative consortium including internationally known groups in the field of MASLD and EDCs toxicity.

Job description (duties and tasks):

The **Obesity and Metabolic Regulation Laboratory** led by Prof. Antonio Vidal-Puig (<https://www.cipf.es/science/investigacion/unidades-mixtas/unidad-mixta-cipf-cambridge-obesidad-y-regulacion-metabolica?lang=es>) and the Obesity, Diabetes and Comorbidities Laboratory led by Dr Stefania Carobbio (<https://www.cipf.es/science/investigacion/trastornos-metabolicos/obesidad-diabetes-y-comorbilidades?lang=es>) offer a postdoctoral researcher position in a project (EDC-MASLD) investigating the chronic effects of EDCs on the progression of MASLD in vivo. MASLD is induced with a specific diet composition. Therefore, experiments will be conducted using a control diet (Altromin 1324) and the Gubra amylin NASH diet (GAN). Control and GAN diet-fed mice will receive EDC chronically. In vivo phenotypic characterisation: To characterise the impact of EDC on disease progression, mice will undergo body weight monitoring, blood biochemistry, glucose/insulin tolerance testing, assessment of energy expenditure (by indirect calorimetry) and histological examination of liver tissue after sacrifice. Ex vivo phenotyping: histopathological analysis of the, using standard histology and immunohistochemistry (IHC) analysis to assess the state of inflammation and fibrosis of the liver, as well as qPCR and western blotting for immunological, inflammatory and stress markers. The postdoctoral researcher will also benefit of scientific interactions and collaboration with the laboratory of Prof Vidal-Puig at the Institute of Metabolic Science in Cambridge, UK and will engage in the research initiatives the laboratories at CIPF have there.

Research Center description:

The Prince Felipe Research Centre, CIPF, was created to develop first-rate, competitive and internationally relevant research in Neurobiology, Advanced Therapies, Rare & Genetic Diseases, Molecular Mechanisms of Disease and Computational Genomics. The research centre in Valencia occupies an area of 32,000 m² and is equipped with the most advanced infrastructures, facilities and technological equipment.

Basic requirements of the position:

- Required qualification: PhD in a relevant subject area (e.g., biology, biomedicine and biotechnology).
- Extensive knowledge in liver biology and MASLD
- Licence to work with mice
- Experience: Previous work in a research group of at least 4 years.
- Experience working with mice
- Experience in metabolic phenotyping
- Experience in ex vivo phenotyping (molecular i.e. qPCR, immunoblot and histological (IHC, IF)).
- High level of English

Desirable Merits:

- **Formation**
 - Required qualification: PhD in a relevant subject area (e.g. biology, biomedicine and biotechnology).
- **Experience:**
 - Experience in mammalian cell culture, especially liver cells.
 - Experience in in vitro metabolic phenotyping (functional analysis of liver cells).
 - Experience in omics analysis, transcriptomics, proteomics, lipidomics, metabolomics.
- **Other merits to be considered:**
 - Ability to communicate effectively with members of the interdisciplinary team and collaborators.
 - Ability to work both independently and as part of a team
 - Ability to work with others in a collegial and collegial environment.
 - Demonstrable high level of communication skills, both written and spoken
 - Passion for problem-solving and creative thinking
 - Excellent organisational skills

Valuation criteria:

1. Education - 15%
 - 1.1 Academic Qualifications 10%
 - 1.2 Complementary Training 5%.
2. Experience in data analysis - 20%
3. Experience in omics data integration -20%
4. Experience in programming languages -20%
5. Other considerations: Certificate of disability (equal to or greater than 33%), being a victim of gender violence - 5%.
6. Interview - 20%.

Contract

- Professional category: R2.I.01/2022
- Salary Level: (Salary level as stipulated in the Convenio de Sanidad Privada de la Provincia de Valencia)
- Funding Source/Project: Project: 101136259 — EDC-MASLD — HORIZON-HLTH-2023-ENVHLTH-02.



Funded by the
European Union

- Duration: 2 years with possibility of extension.
- Starting date: February/March 2024
- Working day: full time (37,5 hours per week)
- The deadline for receipt of resumes will be open until 08/02/2024

Selection process:

The system will consist of the following phases:

- 1) Phase of compliance with the requirements established in the call. Only candidates with the essential requirements will be considered.
- 2) Merit valuation phase.
- 3) Interview phase (The three candidates with the highest score in the merit phase will go to the interview phase)

The selected candidates will go to the interview phase.

The members of the Selection Committee receive continuous training in equality issues.

Working conditions:

The CIPF promotes equal treatment and opportunities between women and men, which should be considered a fundamental aspect of the CIPF's labour relations and human resources management.

The CIPF is committed to reconciling its employees' work and family life and offers the possibility to benefit from flexible working hours.

The CIPF is committed to complying with the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers (EU Charter & Code) by developing its human resources strategy for researchers (HRS4R) and through its open, transparent, and merit-based recruitment policy (OTM-R).



HR EXCELLENCE IN RESEARCH

How to present your candidacy?

Interested candidates should send their CV, cover letter and references through the job portal on the CIPF website.

THE CV SHOULD REMOVE ALL PERSONAL REFERENCES: NAME, GENDER, AGE, MARITAL STATUS, NATIONALITY AND SHOULD NOT INCLUDE A PHOTOGRAPH.

Please indicate the offer reference number in the subject field. If you have any questions about this offer, please contact the Human Resources Department by email to: recursoshumanos@cipf.es

Basic and detailed information on the processing of personal data

Personal data controller: The data subject is informed that the VALENCIAN COMMUNITY FOUNDATION PRÍNCIPE FELIPE RESEARCH CENTER (hereinafter CIPF), with address at C / D 'Eduardo Primo Yúfera, number 3, 46012 Valencia, contact telephone number 963 289 680 and contact email address info@cipf.es is the responsible for the treatment of the data that you communicate to us in relation to this offer.

Users and data subjects may contact the data protection officer at the following email address: privacy@cipf.es

Legal basis and purposes for processing and storing your personal data: With legal basis in the consent that you grant us with the voluntary communication (i) of personal data; (ii) of those required in this offer as well as in your curriculum vitae and; (iii) where appropriate, from the information provided through the interviews and tests, all the data will be processed in order to store them in the CIPF employment exchange and contact the interested person to send the corresponding communications in the selection process opened through this offer. All personal data will be treated as one more element to be evaluated for decision-making related to the selection for the job, without making any decision based solely on the automated data processing. Likewise, once the selection process for the position offered is completed, except for the exercise of the right of opposition by the interested person, all the personal data indicated will be processed by the CIPF, with legal basis in the legitimate interest of the CIPF, to store them in their employment exchange and have a network of contacts for science and research, in order to contact the person concerned about offers, selection processes and recruitment of personnel that may arise in the future.

Recipients of the data: Personal data will not be communicated to third parties except legal obligation.

Personal data processors: Third parties in charge of the treatment may process the interested person's data to provide services to the CIPF, following the instructions of the aforementioned Center, after signing a contract for the treatment with sufficient guarantees of security and confidentiality.

International transfers: They do not exist.

Data conservation period: The data will be kept by CIPF until the deadlines provided in the current regulations are completed, it is for the attention of possible responsibilities and legal obligations.

Exercise of rights regarding the processing of your personal data: The data subject can exercise his/her rights to request access, rectification, deletion, opposition, limitation to treatment, or portability and not be subject to a decision based solely on the automated processing of personal data. In particular, the data subject can exercise his/her right to object to processing their personal data based on the legitimate interest of the CIPF. You also have the right to withdraw consent at any time without affecting the legality of the treatment based on the consent prior to its withdrawal. For the exercise of these rights, the data subject can send a request to CIPF indicating the right they exercise and providing a double-sided photocopy of the ID or legal identification document of their identity to any of the following addresses:

Postal: C / D 'Eduardo Primo Yúfera, number 3, 46012 Valencia Email: info@cipf.es

Likewise, the data subject is informed of the right to request the tutelage of the Spanish Agency for Data Protection C / Jorge Juan, 6, 28001 Madrid, 901100099 - 912663517 (www.agpd.es) in particular, when you consider that the data have not been obtained in satisfaction of your rights.

Prior to filing that request, you can contact CIPF through the data protection officer privacy@cipf.es.