

 <b>PRINCIPE FELIPE</b> CENTRO DE INVESTIGACION	<b>FORMULARIO</b>	<b>D100-P-02-F-01</b>
	<b>JOB OFFER</b>	
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**Reference:** R2.01/2021

**Position title:** Researcher R2

**Group:** Neurobiology

**Job description (function and tasks):**

Perform research tasks corresponding to the research project funded by the grant PROMETEO/2018/051. Some of the tasks include:

Analysis of the alterations in the content or localization of proteins and in the levels of neurotransmitters and metabolites. This includes:

- Obtaining serum and plasma from blood samples.
- Isolation of peripheral mononuclear cells (PBMCs) from blood
- Determination of interleukins.
- Protein analysis using Western blot techniques, immunoprecipitation ...
- Analysis of the content and cellular and subcellular localization of proteins in brain and liver using histology, immunohistochemistry, confocal and optical microscopy and image analysis techniques
- Use of HPLC-MS: determination of metabolites, neurotransmitters and other compounds.
- Determination of ammonium levels in blood.

Isolation of extracellular vesicles and analysis of the proteins, microRNAs and mRNAs content  
 Study of the immunophenotype in blood cells.

Study of cognitive and motor function in rats

Drafting of manuscripts.

Use of data analysis and data representation programs: SPSS, excel, GraphPad Prism. It will perform correlation analysis, ANOVA, ANCOVA, logistic regressions, sensitivity and specificity analysis, ROC curves...

**Research Center description:**

The Prince Felipe Research Centre, CIPF, was created to develop first-rate, competitive and internationally relevant research in the fields of Neurobiology, Advanced Therapies, Rare & Genetic Diseases, Molecular Mechanisms of Disease and Computational Genomics. The research centre, located in Valencia, occupies an area of 32,000 m<sup>2</sup> and it is equipped with the most advanced infrastructure, facilities and technological equipment.

**Basic requirements of the position:**

- The candidate must have the title of Doctor of Biological Sciences or similar.
- High level of English both spoken and written.

**Experience required:**

- Experience in research laboratories.
- Computer skills (database management, GraphPad Prism, Word, Excel, Adobe, Power Point, SPSS).
- Scientific Publications.

**Merits:**

1. Training
  - 1.1. Academic Qualifications
  - 1.2. Complementary Training
2. Animal Experimentation Course. Category B or C.
3. Experience in the analysis of the alterations in the content or localization of proteins and in the levels of neurotransmitters and metabolites. This includes:
  - 3.1. Obtaining serum and plasma from blood samples.
  - 3.2. Isolation of peripheral mononuclear cells (PBMCs) from blood
  - 3.3. Determination of interleukins.
  - 3.4. Protein analysis using Western blot techniques, immunoprecipitation ...
  - 3.5. Study of the immunophenotype in blood cells.
  - 3.6. Determination of ammonium levels in blood.
4. Experience in isolation of extracellular vesicles and analysis of the proteins, microRNAs and mRNAs content
5. Study of cognitive and motor function in rats
6. Use of HPLC-MS: determination of metabolites, neurotransmitters and other compounds.
7. Experience in the analysis of the content and cellular and subcellular localization of proteins in brain and liver using histology, immunohistochemistry, confocal and optical microscopy and image analysis techniques

**Valuation criteria:**

1. Training - 15%
  - a. Academic Qualifications - 5%
  - b. Complementary Training - 10%
2. Experience in the analysis of the content and cellular and subcellular localization of proteins in brain and liver using histology, immunohistochemistry, confocal and optical microscopy and image analysis techniques = 20%
3. Experience in isolation of extracellular vesicles and analysis of the proteins, microRNAs and mRNAs content = 20%
4. Experience in the use of HPLC-MS: determination of metabolites, neurotransmitters and other compounds ... = 15%
5. Study of cognitive and motor function in rodents, preferably in rats = 15%
6. Other merits. = 15%

**Contract**

- Professional category: Researcher R2
- Salary Level: (Salary level as stipulated in the Convenio de Sanidad Privada de la Provincia de Valencia)
- Funding Source/Project: PROMETEO/2018/051
- Duration: Interim contract. This contract is to cover the position of a technician who is in work leave. The duration of the contract is until the end of this work leave.
- Starting date: February 15<sup>th</sup>, 2021

- Working day: Full time
- The deadline for receipt of resumes will be open until February 4<sup>th</sup>, 2021

### **Selection process:**

The system will consist in 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 3 candidates with the highest score in the merit phase will go to the interview phase).

The selected candidates will go to the interview phase.

### **How to present your candidacy?**

Interested candidates should send their CV, cover letter and references only by email to the following address: [selection@cipf.es](mailto:selection@cipf.es).

In order to comply with Law 15 /1999 of December 13, for The Protection of Personal Data, we inform you that the personal data contained in your resume will be included in a personal data file owned by the Foundation Prince Felipe Research Centre, CIPF, to enable you to participate in our recruitment process, and if appropriate, it may be used for processing appropriate aid, grants and funding to enable this recruitment.

By submitting your resume, you agree to your personal data to be treated in the commented terms, allowing CIPF to share this data with other public and private institutions with the exclusive aim of applying for grants for the financial funding of this institution and its research projects linked to your data.

You may exercise your rights of access, rectification, cancellation and opposition by writing to CIPF, Calle Eduardo Primo Yúfera, 3, CP 46012 Valencia and attaching your ID.

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](mailto:recursoshumanos@cipf.es)