

 <p><b>PRINCIPE FELIPE</b> CENTRO DE INVESTIGACION</p>	<b>FORMULARIO</b>	<b>D100-P-02-F-01</b>
	<b>JOB OFFER</b>	
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**Reference:** R2.I.03/2020

**Position title:** Postdoctoral Researcher R2.I

**Group:** Laboratory of Neurobiology

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

- Perform and evaluate psychometric tests in patients and controls
- Measurement of eye movements using OSCANN equipment
- Performing computerized memory tests to patients and controls
- Obtaining serum and plasma in human blood samples.
- Isolation of peripheral mononuclear cells (PBMCs) from human blood.
- Isolation of TCD4+ lymphocytes from peripheral mononuclear cells
- Cultures of PBMCs and TCD4 + lymphocytes
- Determination of interleukins in cultures and serum.
- Protein analysis by Western blotting techniques, immunoprecipitation...
- Determination of blood ammonium levels.
- Study of the immunophenotype in blood cells
- Use of data analysis and data representation programs: SPSS, excell, GraphPad Prism. Performing correlation analysis, ANOVA, ANCOVA, logistic regressions, sensitivity and specificity analysis, ROC curves...
- Supervision of predoctoral students

**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 infrastructures, facilities and technological equipment.

**Basic requirements of the position:**

- Qualifications required: The candidate must have a degree in Biological Sciences or related disciplines and a PhD degree.
- Work experience in research laboratories, minimum 10 years.
- High level in spoken and written English.

**Experience required:**

- PhD in Biological Sciences or related disciplines.
- Work experience in research laboratories in the area of hepatic encephalopathy, minimum 5 years.
- Minimum experience of 5 years in psychometric tests (PHES), attention tests, motor coordination test, bimanual coordination test, TAVEC memory test, SF36, Critical Flicker Frequency.

**Merits:**

1. Training
  - 1.1. PhD degree
  - 1.2. High level of both spoken and written English.
2. Experience of more than 5 years in the performance of psychometric tests (PHES), attention tests, motor coordination test, bimanual coordination test, TAVEC memory test, SF36, Critical Flicker Frequency
3. Knowledge of database management with SPSS and Excel, Word, GraphPad Prism, Power Point. Experience in: data analysis, correlations, ANOVA, ANCOVA, logistic regressions, sensitivity and specificity analysis, ROC curves.
4. Experience in:
  - Management of biological samples (obtaining serum and plasma, isolation of erythrocytes and lymphocytes from blood samples).
  - Determination of levels of oxidative stress markers in blood.
  - Cytokines determinations by ELISA
  - Determination of cyclic GMP
  - Measurement of nitrates and nitrites in plasma
  - Determination of blood ammonium.
  - Determination of enzymatic activities related to oxidative stress
  - Determination of oxidative stress by fluorochromes.
  - Study of the immunophenotype in blood cells
  - Evaluation of brain magnetic resonance
5. Other merits:
  - Scientific publications and Congresses in the area of hepatic encephalopathy
  - Certified training for handling experimental animals. Category C

**Valuation criteria:**

1. Training - 15%
  - a. Academic Qualifications - 5%
  - b. Complementary Training - 10%
2. Experience in psychometric tests (PHES), attention tests, motor coordination test, bimanual coordination test, TAVEC memory test, SF36, Critical Flicker Frequency 25%
3. Knowledge of database management with SPSS and Excel, Word, GraphPad Prism, Power Point. Experience in: data analysis, correlations, ANOVA, ANCOVA, logistic regressions, sensitivity and specificity analysis, ROC curves 25%.
4. Experience in (25%):
  - Management of biological samples (obtaining serum and plasma, isolation of erythrocytes and lymphocytes from blood samples).
  - Determination of levels of oxidative stress markers in blood.
  - Determinations by ELISA
  - Determination of cyclic GMP
  - Measurement of nitrates and nitrites in plasma
  - Determination of blood ammonium.
  - Determination of enzymatic activities related to oxidative stress

- Determination of oxidative stress by fluorochromes.
  - Study of the immunophenotype in blood cells
  - Evaluation of brain magnetic resonance
5. Other merits 10%:
- Scientific publications and Congresses in the area of hepatic encephalopathy
  - Certified training for handling experimental animals. Category C

### **Contract**

- Professional category: Researcher R2.I
- Salary Level: (Salary level as stipulated in the Convenio de Sanidad Privada de la Provincia de Valencia)
- Funding Source/Project: PROMETEO/2018/051
- Duration: 1 year
- Starting date: February 14, 2020
- Working day: Partial: 37.5 hours / week
- The deadline for submission will remain open until February 6, 2020

### **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)