Reference: C.I.III.05/2017

Position title: Postdoctoral researcher

Group: Laboratory of Neurobiology

Job description (function and tasks):

- Handling of biological samples (obtaining serum and plasma, erythrocytes and lymphocytes isolation from blood samples).
- Determination of levels of oxidative stress markers in blood.
- Analysis of proteins by Western blotting, immunoprecipitation...
- Determination of amino acids and neurotransmitters by HPLC.
- Determination of cytokines
- Determination of blood endotoxemia.
- Measurement of blood ammonia levels.
- Determination of enzymatic activities related to oxidative stress
- Measurement of oxidative stress by fluorochromes.
- Study of immunophenotype in blood cells.
- Performance and evaluation of psychometric tests in humans and animal models
- Performance and evaluation of magnetic resonance
- Performance and evaluation of EEG.
- Performance and evaluation of polysomnography.
- Use of the SPSS program: data analysis, correlation, ANOVA, ANCOVA, logistic regression, analysis of sensitivity and specificity, ROC curves ...
- Use of “Sleep Analysis” software.

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 m2 and it is equipped with the most advanced infrastructures, facilities and technological equipment.

Basic requirements of the position:

- Degree in Biological Sciences or similar
- Doctoral Thesis
- High level of English
Experience required:

Experience in the following methodologies/techniques:

- Handling of biological samples (obtaining serum and plasma, erythrocytes and lymphocytes isolation from blood samples).
- Determination of levels of oxidative stress markers in blood.
- Analysis of proteins by Western blotting, immunoprecipitation…
- Determination of amino acids and neurotransmitters by HPLC.
- Determination of cytokines
- Determination of blood endotoxemia.
- Measurement of blood ammonia levels.
- Determination of enzymatic activities related to oxidative stress
- Measurement of oxidative stress by fluorochromes.
- Study of immunophenotype in blood cells.
- Performance and evaluation of psychometric tests in humans and animal models
- Performance and evaluation of magnetic resonance
- Performance and evaluation of EEG.
- Performance and evaluation of polysomnography.
- Use of the SPSS program: data analysis, correlation, ANOVA, ANCOVA, logistic regression, analysis of sensitivity and specificity, ROC curves ...
- Use of “Sleep Analysis” software.

Merits:

Valuable Merits:

- Course of personal user approval of experimental animals, category C.
- Training course for operators of radioactive facilities.
- Scientific Publications.
- Participation in conferences.
- Previous participation in the PROMETEO / 2009/027 or PROMETEOII/2014/033 project.
- Fluency in English.
- Computer skills (managing databases, SPSS, GraphPad Prism, Word, Excel, Adobe, PowerPoint …).
- Using the program "Sleep Analysis."
- Image processing of brain MRI DTI.
- Processing and analysis of EEG.
- Experience in basic research laboratories and clinical.
- Be communicative, assertive and skilled to work in a multidisciplinary team.

Contract

- Professional category: Research Colaborator III
- Salary Level: (Salary level as stipulated in the Convenio de Sanidad Privada de la Provincia de Valencia)
- Funding Source/Project: PROMETEOII/2014/033
- Duration: 1 year
- Starting date: April 3, 2017
- Working day: complete
- The deadline for receipt of resumes will be open until March 3, 2017

**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)