Reference: AYI.08/2017

Position title: Research Staff

Group: Neurobiology, I06

Job description (function and tasks):

- Biological samples management (urine, serum and plasma obtention) from rats.
- Analysis of protein content by Western blot
- Determination of monoamines, nitrotyrosine and amino acids by HPLC
- Determination of ammonia in blood.
- Biochemistry techniques: Elisa, determination of cyclic GMP and citokines
- Elaboration of pellets with high content in ammonia for rats.
- Behavioural assessment in animal models, including:
  - Motor coordination (Rotarod, Beam Walking)
  - Conditioned discrimination task (Y Maze)
  - Spatial learning and memory tests (Morris Water Maze, radial maze)
  - Motor activity
  - Immunohistochemistry performance and analysis
  - Image quantification
  - Experiments based in perfusion of fresh tissue and analysis of membrane expression of proteins.

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:

- Title of advanced technician in Pathological anatomy and Cytology

Experience required:

- Experience in the following methodologies and techniques:
  - Biological samples management (urine, serum and plasma obtention) from rats.
  - Analysis of protein content by Western blot
  - Determination of monoamines, nitrotyrosine and amino acids by HPLC
  - Determination of ammonia in blood.
  - Biochemistry techniques: Elisa, determination of cyclic GMP and citokines
  - Elaboration of pellets with high content in ammonia for rats.
  - Behavioural assessment in animal models, including:
    - Motor coordination (Rotarod, Beam Walking)
- Conditioned discrimination task (Y Maze)
- Spatial learning and memory tests (Morris Water Maze, radial maze)
- Motor activity
- Immunohistochemistry techniques
- Image quantification: use of Panoramic viewer and Image J and of Alphalmager
- Experiments based in perfusion of fresh tissue and analysis of membrane expression of proteins.

**Merits:**

- Be communicative, assertive and skilled to work in a multidisciplinary team.
- Course of Animal Experimentation
- Informatics knowledge: data bases, Excel, GraphPad Prism, Word, Adobe, Power Point, Alphalmager, Panoramic Viewer, Image J.
- Experience in research laboratories in Neurobiology

**Contract**

- Professional category: Research Assistant
- Salary Level: (Salary level as stipulated in the Convenio de Sanidad Privada de la Provincia de Valencia)
- Funding Source/Project: CIPF
- Contract: Temporary Interim contract
- Starting date: Immediate
- Working day: Full time
- The deadline for receipt of resumes will be open until 12th May, 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.

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