Reference: AUX.05/2018

Position title: Research auxiliary

Group: Laboratory of Neurobiology

Job description (function and tasks):

- Biological samples management (urine, serum and plasma obtention) from rats.
- Analysis of protein content by western blot
- Extraction and purification of DNA and ARN. Analysis of mRNA by PCR
- Analysis of membrane expression of proteins
- Determination of ammonia in blood.
- Biochemistry techniques: Elisa, determination of cyclic GMP and citokines
- Immunohistochemistry performance and analysis
- Histology
- Image quantification and analysis
- 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

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:

- Certificate of Animal Experimenter B

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
- Extraction and purification of DNA and ARN. Analysis of mRNA by PCR
- Analysis of membrane expression of proteins
- Determination of ammonia in blood.
- 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
- Use of confocal and fluorescence microscopes
- Histological techniques
- Image quantification: use of Panoramic viewer and Image J

**Merits:**

- Be communicative, assertive and skilled to work in a multidisciplinary team.
- 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 Auxiliar
- Salary Level: (Salary level as stipulated in the Convenio de Sanidad Privada de la Provincia de Valencia)
- Funding Source/Project: PROMETEU/2018/051

- Duration: 14.5 months
- Starting date: October 15, 2018
- Working day: Full time
- The deadline for receipt of resumes will be open until October 4, 2018 at 12:00 hours

**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