



## **POSTDOCTORAL POSITION AT INSTITUTO DE INVESTIGACIÓN BIOSANITARIA ibs.GRANADA**

The Instituto de Investigación Biosanitaria de Granada (Ibs.Granada) accredited as Center of Excellence by the Instituto de Salud Carlos III

### **Offered Position**

Fully funded Postdoctoral fellow position (R2) in the laboratory of Dr. Lopez Escamez at the Centre for Genomics and Oncology Research (GENyO) and Ibs.GRANADA in a European Project (H2020) entitled “**Unification of treatments and Interventions for Tinnitus patients (UNITI)**”, The biggest clinical study on tinnitus to date.

The team is looking for a researcher immediately available to be engaged in basic, translational, and clinical research to develop novel cellular models for Meniere’s disease patients with severe tinnitus, more specifically hPSC models to study the role of *ANK2* in the pathophysiology of Meniere's patients with severe tinnitus, focusing on microtubule reorganization and action potential change during the development of neural progenitors, spiral ganglion neurons and excitatory neurons of the cerebral cortex.

Our research program aims to provide training opportunities for career development toward future independence in academia or industry. Opportunities for mentoring and leadership experience will be provided and presenting at national and international meetings is highly encouraged. Collaboration with both academia and industry is highly active.

Highly motivated and hardworking individuals with an awarded PhD in Neuroscience, structural biology, stem cell biology or Immunology or a related area and a strong interest in cell-based disease models are encouraged to apply. The candidate should have a strong background in general neurobiology and glial biology. Expertise in hPSC and neural differentiations is required. Experience with CNS histopathology and advanced molecular biology is desirable.

### **Requirements:**

- PhD in Biology/Biochemistry/Stem Cell Biology/Neuroscience.
- Experience in:
  - Knowledge of Neurobiology.
  - Generation and Characterization of hPSC.
  - hPSC differentiation to neural progenitors and neurons.



- General techniques in Cellular and Molecular Biology: qPCR, WB, Cytometry, Immunoassays (ELISA, Multiplex, ICC, IHC).
- Gene editing using CRISPR.
- Sample preparation and Confocal, SEM and TEM microscopy techniques.

**Aspects to be assessed:**

- Electrophysiology experience (whole cell recording) will be highly appreciated.
- Publications, as first or corresponding author, in high impact journals.
- International postdoctoral experience.
- Knowledge of statistical analysis using SPSS or R.
- Exceptionally good skills in English (written and spoken), minimum level B2 (Cambridge).
- Experience in preparing research project applications.
- Ability to mentor Master and PhD students.
- Time management ability to organize multiple project tasks.

**We offer:**

- The position will be funded until the end of the project.
- Full-time contract.
- Competitive salary.

Candidates must apply for the position in our web page indicating the reference **“Contrato 17/2021”**.

**Deadline:** March 20th, 2021

**Evaluation:**

- Academic record of the required degree: 10 points.
- Postdoctoral professional experience: 1 point will be assigned for each month of experience as Doctor related to the requirements, up to a maximum of 30 points.
- Publications, as first, second or corresponding author, in journals of the first quartile or higher: 3 points for each publication, up to 15 points.
- Knowledge of statistical analysis using SPSS or R (or any other statistics software): 5 points.
- International postdoctoral experience: 1 point will be assigned for each month, up to a maximum of 10 points.
- English level: 5 points will be assigned to level B2, up to a maximum of 10 points from this level.



- Personal interview: Communication skills, suitability to the profile. Skills and other topics to clarify, not previously specified in the CV will be assessed. Up to 20 points.

**Postal Address:** Avda. Madrid, 15, Hospital Universitario San Cecilio (Pabellón Consultas Externas, 2ª planta), 18012, Granada. 958 023264

Granada, March 10th, 2021.