

About the job

Postdoctoral Position in Stroke Research, 3D cellular models

Location: Institut d'Investigació Sanitària de les Illes Balears (IdISBa), University of Balearic Islands (UIB), Palma, Spain

Contact: Dr. Cristofol Vives-Bauza (cristofol.vives@uib.cat)

We are seeking an **enthusiastic and motivated postdoctoral researcher** to join our **Neurobiology Lab** at IdISBa. Our research focuses on the **generation of 3D models-derived from patient's of blood brain barrier and neurovascular unit**, leveraging cutting-edge cellular and molecular biology.

About the Research Group

Led by Dr. Cristofol Vives-Bauza, our multidisciplinary team includes clinicians (obstetricians, neuropediatricians, neurologists and clinical geneticists), molecular and cellular biologists, pharmacologists and bioinformaticians. We actively collaborate with national and international institutions to advance **personalized and precision medicine**. Our work has led to significant discoveries, such as the recent identification a novel syndrome linked to prenatal cerebral hemorrhages caused by mutations in the *ESAM* gene or the identification of *PATJ* gene associated with stroke outcome.

Key Responsibilities

The successful candidate will:

- Develop and lead independent research projects aligned with the lab's active research areas.
- Act as lab manager, coordinating and assisting lab members.
- Design, execute, and analyze experiments using state-of-the-art cellular and molecular approaches.
- Manage and visualize data, interpret results, and maintain detailed experimental records.
- Contribute to publications, grant applications, and dissemination activities.
- Supervise and mentor students and junior researchers.
- Actively participate in team meetings and collaborative projects.

Qualifications

- **PhD in Life Sciences**, with expertise in stem cell biology, iPSCs generation, genome editing, or related fields. Experience on animal models of stroke and/or research on vascular biology will be also a value.
- Strong communication, organizational, and problem-solving skills.
- Ability to work both independently and collaboratively.
- Proactive and detail-oriented approach to research.

Benefits

- Flexible working arrangements.
- Collaborative, supportive, and multidisciplinary work environment.
- Opportunity to contribute to high-impact research in stroke and rare diseases associated with pediatric stroke.
- Competitive salary and benefits that will be according to experience.

How to Apply

Submit your CV and a cover letter detailing your motivation and relevant experience to **Dr. Cristofol Vives-Bauza** at cristofol.vives@uib.cat. Applications will be reviewed on a rolling basis, and interviews will be scheduled promptly.

Join us in advancing stroke functional recovery to uncover the molecular basis of perinatal/pediatric stroke and deliver tangible benefits to patients worldwide!