zeneuroid

JOB OFFER
Bioengineering Neuroscientist

ABOUT THE JOB

Job Description:

ZeNEUROID is seeking a **motivated Bioengineering Neuroscientist** to join an exciting, interdisciplinary funded project, developed in collaboration with the University of Barcelona (UB)—one of Spain's most prestigious institutions. This project merges expertise from physics, neuroscience, engineering, and informatics. The candidate will work on developing and validating state-of-the-art research tools for modeling neuropsychiatric diseases using iPSC-derived neuronal cell lines and 3D and 4D neural networks. This role involves hands-on lab work, including but not limited to connectivity studies, neural activity characterization using calcium imaging techniques, and adapting the 3D cultures to the microphysiological platform. Our ultimate goal is to leverage cutting-edge science and technology to enhance biomedical research and advance personalized medicine.

At ZeNEUROID, we foster a creative and dynamic work environment where pioneering ideas come to life, empowering researchers to explore new frontiers.

Key Responsibilities:

- Human pluripotent stem cell culture and reprogramming.
- Generation of reporter lines using CRISPR/Cas9.
- Development of novel 3D cell cultures such as organoids.
- Support Project Managers in establishing new protocols.
- Perform experimental tasks related to both company services and R&D pipelines.
- Analyze experimental data and assist with report preparation.
- Coordinate lab duties and organize stocks/orders alongside the Lab Manager.
- Maintain detailed documentation and ensure full traceability of results.
- Support quality validation following GLP regulations and draft SOPs.

Qualifications:

- PhD in biotechnology, neuroscience, biology, or a related field with publications is required. Postdoctoral experience is a plus.
- Proven experience with eukaryotic cell culture and live-cell assays is required.
- Extensive knowledge in iPSC manipulation and differentiation is a must.
- Proven experience in cellular and molecular biology techniques is required.
- Knowledge in the fields of neuroscience and neuropsychiatric disease biology.
- Experience with microscopy or flow cytometry is a plus.
- Programming skills and experience in data analysis, especially calcium imaging, is highly valued.
- Familiarity with Quality Management systems and GLP environments is a plus.
- Exceptional documentation skills and good documentation practices.

Additional Skills:

- Goal-oriented and resilient personality who brings projects to success with proactive team effort.
- Ability to work independently and interact with collaborators.

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Languages:	- Strong organizational skills and attention to detail. - Ability to manage multiple projects under tight deadlines. - English (essential, both verbal and written). - Spanish/Catalan (desirable). - Other languages (e.g., Italian, French, Japanese, German) are a plus.

WHAT WE OFFER

We offer a **full-time positio**n with a **healthy work-life balance** in an international, academic, and corporate environment. This role provides the opportunity to work in a rapidly growing industry and gain experience with cutting-edge technology.

- **Contract**: 9-month duration with possible extension (after this period, ZeNEUROID will evaluate the potential re-hiring of the candidate based on performance and project needs).
- **Trial period**: 3 months.
- **Starting date**: January 2025
- **Annual gross salary**: 33.000 euros gross salary.

APPLICATION PROCEDURE

All applications should include:

- A presentation letter addressed to Dr. M Angeles Rabadan (Founder & CEO of ZeNEUROID).
- A full CV, including contact details.
- At least two professional references.
- Your estimated availability to start.
- Please send your applications to careers@zeneuroid.com. **Applications submitted via LinkedIn will not be considered.**

Join us in making a real impact on the future of neuroscience!

WHO WE ARE

ZeNEUROID is a pioneering biotech startup specializing in the development of advanced 3D and 4D mouse and human iPSC-derived neurosphere models. Our mission is to accelerate drug discovery for neurodegenerative and neuropsychiatric diseases by providing cutting-edge preclinical research tools with high human relevance. Founded on innovation and collaboration, we are a small dynamic and multidisciplinary team working at the intersection of neuroscience, bioengineering, and AI. We aim to push the boundaries of biomedical research and bring meaningful solutions to those who need them most. Join us as we transform preclinical neuroscience.