

**OPEN POSITION
RESEARCH TECHNICIAN
REF. FIMIM 2497-BUSQUETS**

THE INSTITUTE

The IMIM is the research institute of Hospital del Mar (BARCELONA) and part of the Barcelona Biomedical Research Park (PRBB). This is an exceptional environment in which to carry out translational research, with cutting-edge technological platforms available (cytometry, animal facility, microscopy, etc.) as well a close relationship with Hospital del Mar. Access to patients and samples makes it possible to directly apply the most relevant scientific advances.

POSITION

This position is part of the Research Programme for recruiting young jobseekers who wish to become involved in research and innovation initiatives, within the framework of the Recovery, Transformation and Resilience Plan, for the year 2022 (DOGC no. 8598-3 /2/2022).

OFFER

- **Technician position** in the Cell-type mechanisms in normal and pathological behaviour, led by Dr. Arnau Busquets.
The main aim of the laboratory is to establish cell type-specific mechanistic frames by using mouse models to determine complex physiological or pathological behavioural responses. Our objective is to further dissect the detailed molecular, cellular and behavioural mechanisms that can explain complex behaviours, such as advanced cognitive functions and complex social interactions.
- **24 months** employment contract.
- Remuneration of **24,300€ gross salary per year**.
- **Flexibility measures**, contemplated in the IMIM Foundation labour regulation, will be assessed with the person in charge.

CANDIDATE REQUIREMENTS

- ✓ Degree in Biology, Biochemistry, Pharmacy or similar.
- ✓ It will also be valued:

- Title of animal experimentation.
- Experience in animal experimentation with mice.
- Experience in programming (Python).
- Experience in behavioural (cognitive tasks in mice) and molecular laboratory techniques (western blot, RT-PCR, immunohistochemistry, genotyping, etc.).
- ✓ At the time of hiring, the candidate will have to prove that they are under 30 years of age.
- ✓ At the time of hiring, the candidate must be unemployed and will have to be registered as a job seeker in the Servei Català d'Ocupació de Catalunya (SOC).

THE PROJECT

The person will join a young research group where we work on deciphering the cellular and brain mechanisms of physiological and pathological behaviors using the mouse as an animal model. Our goal is to continue dissecting detailed molecular, cellular, and behavioral mechanisms that may explain complex behaviors, such as advanced cognitive functions or complex social interactions.

Currently, our main lines of research focus on:

1. The study of the involvement of cannabinoid receptors in the development of some of the phenotypes and alterations associated with Alzheimer's disease.
2. The use of animal models to study the behavioral and neurobiological substrates that determine complex cognitive processes.
3. The development of new behavioral tasks to study the positive psychotic effects in various pathologies using them as a translational research tool.

PRESENTATION OF CANDIDATES

Anyone interested in this offer must present a **cover letter** and **blind CV**, which should contain only information related to the candidate's academic, educational and employment data, as well as contact information.

You can submit your application at: <https://www.imim.es/ofertes/detall-oferta-temporals.html?id=2100>

For more information: abusquets@imim.es



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