PREDOCTORAL RESEARCHER POSITION
(Ref. 2411 - MODOL)

OFFERS:

4-year PhD in systems and computational neuroscience.

Requirements of the candidatures

- ✓ Undergraduate and master's grades (>9)
- ✓ Basic programming knowledge
- ✓ Motivation letter
- ✓ Letter or contact for recommendation

Project:

We are seeking to support a motivated and highly passionate candidate with interest in Neuroscience for a fully funded PhD studentship (4 years, start date 2025) through the Joan Oró grant to hire research staff in training (FI 2025).

The candidate will be based between the laboratory of Laura Modol (Hospital del Mar Research Institute, Parc de Recerca Biomèdica de Barcelona (PRBB)) and Adam Ranson (ransonlab.net; Institute of Neurosciences of the Autonomous University of Barcelona).

The project will study the structure and purpose of neural activations observed during prolonged REM-like sleep during early post-natal development. The candidate will be trained in the use state-of-the-art in vivo 2-photon calcium imaging, optogenetic and virtual reality approaches to measure and perturb neural circuits in awake behaving mice. We welcome applicants with an interest in systems neuroscience from a range of experimental and computational backgrounds so please get in touch if you are unsure of your suitability.
Functions: The candidate will be in trained in designing and running experiments, data analysis and presenting findings at conferences and in publications.

For more information and to submit your curriculum vitae, contact lmodol@researchmar.net and adam.ranson@uab.cat

Deadline for submission of CV: 22/10/2024