

Call for advance technician position to study the synaptopathy of different animal models of auto-immune encephalitides (P. Jercog team, Barcelona, Spain)

We are seeking to hire an advance level technician to study the behavior and neuronal activity of mice during spatial navigation task to test memory and amnesia. The contract will be for one year, with the possibility of applying for fellowships to start a PhD in our team.

The project founded by Cellex Foundation under the umbrella of the Experimental Neuroimmunology Program led by Dr. Josep Dalmau, aims to determine how auto-antibodies from patients with a synaptopathy (for example: anti-NMDAR encephalitis), alter memory and behavior in validated mouse models of the pathologies. These investigations are conducted in parallel with similar investigations in patients with these diseases.

The applicant will be specifically involved in examining how memories are altered and restored in a mouse model during immune-ablation of different receptors by the use of human antibodies, in order to understand the basis of memory encoding and its malfunctions, at the neural network level.

The candidate will be exposed to multiple techniques including, complex behavioral tasks, electrophysiological and calcium imaging recordings in freely behaving mice.

Candidates may hold a master in neuroscience or similar discipline.

Certificate in animal experimentation is a plus.

Applications should be send following the instructions of this link:

http://www.idibaps.org/media/upload/pdf/id-50-2019_editora_8_2652_1.pdf

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<https://sites.google.com/view/pablojercogteam/>