

**POSTDOCTORAL POSITION**  
**TO STUDY SINGLE CELL RECORDINGS**  
**AND MEMORY FUNCTIONING IN THE HUMAN BRAIN**  
**(Ref. 2402 - QUIAN)**

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We are looking for a postdoc to study single cell recordings in humans, performed in epileptic patients for curative surgery. The position will be in the recently established group of Prof. Quian Quiroga at the Hospital del Mar Research Institute, in Barcelona

**Requirements of the candidates:**

The successful candidate will contribute to performing recordings with patients and the analysis / modelling of the data to investigate the role of these neurons in memory. The candidate should have very good quantitative skills (data processing and programming, e.g. in Matlab) and a strong background or interest in neuroscience.

**Project:**

The project will investigate concept cells (a.k.a. Jennifer Aniston neurons) – that means, neurons in the hippocampus and surrounding areas that selectively fire to specific concepts, like different pictures and the written or spoken name of a particular person (e.g. Quian Quiroga et al, Nature 2005; Quian Quiroga, Cell 2019), which are involved in declarative memory functions. For more details see:

<https://web.archive.org/web/20220108024112/https://www2.le.ac.uk/centres/csn/publications-1/2019/QuianQuirogaCell2019.pdf>

**For more information send an email to Prof. Rodrigo Quian Quiroga ([rquian@imim.es](mailto:rquian@imim.es)), including a CV, a letter of motivation and the name of two contacts for references.**

**Deadline for application:** Review of applications will begin on the 12th of February 2024 and will continue until the position is filled.