3 Year PhD Studentship within the Centre for Systems Neuroscience

**Department:** Department of Neuroscience, Psychology and Behaviour

**Supervisor:** Prof Rodrigo Quian Quiroga rqqg1@le.ac.uk

**Eligibility:** The funding is available to UK/EU applicants only

**Project Title:** Study of memory coding with single cell recordings in humans

**Project Description:**

Fully Funded PhD Studentship (for UK/EU candidates only) Centre for Systems Neuroscience, University of Leicester, UK.

www.le.ac.uk/csn

The Centre for Systems Neuroscience at the University of Leicester, UK, offers a 3-Year Fully Funded studentship (stipend plus fees) for UK/EU candidates, to study single cell recordings in humans – performed in epileptic patients for curative surgery.

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 Nature Reviews Neuroscience 2012), which are involved in declarative memory functions. The successful candidate will contribute to performing recordings with patients in collaborating hospitals and the analysis of the data to investigate the role of these neurons in memory formation.

Candidates should have very good quantitative skills (data processing, and programming in Matlab), and strong background or interest in Neuroscience. They should be able to work both independently and as part of a research team within the Centre for System Neuroscience at Leicester and with our external collaborators.

**Funding details:**

The studentship will fully funded for 3-years by the University of Leicester. This will provide a Tuition Fee waiver at UK/EU rates and stipend at RCUK rates (for 2018 this will be £14,777) for 3 years. Available to UK/EU applicants only.

**Entry requirements:**
Applicants are required to hold/or expect to obtain a UK Bachelor Degree 2:1 or better in a relevant subject. The University of Leicester English language requirements apply where applicable.

**How to apply:**

You should submit your application using our [online application system](#).

Apply for **Neuroscience, Psychology and Behaviour Research**

In the funding section of the application please indicate you wish to be considered for the **CSN/NPB Studentship**.

In the proposal section please provide the name of the supervisor and project title.

Include a personal statement indicate why you want to be considered for this project.

**Project / Funding Enquiries:**
Paula Warrington, Research Centre Manager  [csn@le.ac.uk](mailto:csn@le.ac.uk)

Application enquiries to [pgradmissions@le.ac.uk](mailto:pgradmissions@le.ac.uk)

Closing date for applications 1 March 2019.

Interviews for shortlisted candidates anticipated w/c 8th March 2019.