**Post-doctoral position in Fast Volumetric Imaging for the Assessment of Engrams Connectivity**

ICFO is offering a postdoctoral position to a well-qualified, highly motivated and dynamic young scientist who wishes to enhance his/her scientific career in a friendly and stimulating environment.

The successful candidate will be joining the Super-resolution Light Microscopy & Nanoscopy (SLN) Research Facility at ICFO led by Dr. Pablo Loza-Alvarez which is equipped with front-end microscopy techniques that are able to operate a step beyond the commercial state of the art.

The candidate will be working on exploring the connectivity and plasticity properties of Working Memory - engrams by combining single-cell optogenetics and calcium imaging in ex vivo slices of the mouse anterolateral frontal cortex.

Candidates must hold, at the time of contract initiation, an internationally-recognized Ph.D.-equivalent degree (or evidence of its completion in the nearest future) preferably in Physics, Engineering, Biophysics, Biophotonics or relevant field.

**Requirements & Conditions**

The candidate should have:

* Experience working with optical setups
* Experience in hardware control and programming
* Interest in advance microscopy techniques
* Interest in live sciences, and neurobiology.
* Ability to effectively communicate and collaborate with team members, supervisors, and researchers.
* Being proactive. Having the ability to independently manage project implementation.
* Fluent in written and spoken English.

ICFO is an equal opportunity employer. Candidates are selected exclusively on merit and potential on the basis of submitted application material. No restrictions related to disabilities, citizenship or gender apply to ICFO positions. ICFO abides by the principles of openness, efficiency, transparency, supportiveness, and international comparability as stated in the European Charter for Researchers and the European Code of Conduct for the Recruitment of Researchers.

Salaries for ICFO Postdoctoral positions are assigned by the Selection Committee, based on experience and seniority of the applicant, as well as the assigned tasks and responsibilities within the group. Standard salaries range from a lower level aligned with national Ramon-y-Cajal fellowships to higher levels aligned with Marie Skłodowska-Curie individual fellowships.

The contract is offered for a period of 3 years.

Additionally, a family allowance is also available on request and after corresponding approval for people with family charges in the terms described in the corresponding policy.

**Application process**

Suitable candidates are requested to submit:

* Presentation letter with a declaration of interest,
* Curriculum Vitae, including contact details,
* The contact e-mail of two potential referees.

Candidates will be assessed as they apply and the call will remain open until the suitable candidate is identified.

Candidates may contact [jobs@icfo.eu](mailto:jobs@icfo.eu) for formal enquiries regarding the application, as well as address scientific enquiries to [pablo.loza@icfo.eu](mailto:pablo.loza@icfo.eu)

For update information about the hosting group, please visit <https://www.icfo.eu/research-group/4/sln/home/10305>

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