
Post-doctoral position in speckle contrast optical spectroscopy (SCOS) for non-invasive blood flow measurement

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 Medical Optics research group led by Prof. Turgut Durduran who is looking for a postdoctoral fellow for the development, testing and deployment of next generation devices based on speckle contrast optical spectroscopy (SCOS) and related methods akin to near-infrared diffuse correlation spectroscopy. The fellow will be working with teams that collaborate with USA (Wash. U. St Louis, UT Southwestern), Italy (Milan, Padova) and locally with INEFC. They will be in charge of the development of the next generation SCOS systems including novel approaches to new sources and detectors.

Funded by MCIN/AEI/10.13039/501100011033 and by the European Union "NextGenerationEU"/PRTR.

Requirements & Conditions

Candidates must hold an internationally-recognized Ph.D.-equivalent degree (or evidence of its completion in the nearest future) preferably in engineering or physics.

The candidate should have a proven experience in:

- Experimental work involving laser speckle statistics.
- Device design and construction.
- Optical engineering and software development.

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 1 year, renewable.

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,

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- 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 for formal enquiries regarding the application, as well as address scientific enquiries to turgut.durduran@icfo.eu.

For update information about the hosting group, please visit <https://www.icfo.eu/research-group/16/medical/home>.

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Deadline

Until positions are filled.