
Post-doctoral position in applications of near-infrared spectroscopy and diffuse correlation spectroscopy in critical care

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 joining our activities in carrying out clinical studies and trials on the use of near-infrared spectroscopy (NIRS) And diffuse correlation spectroscopy (DCS) for critical care applications. In particular, this work will be the continuation of the HEMOCOV19, VASCOV19 and REHAB COV19 projects. It will be carried out in collaboration with Parc Tauli Hospital (PI: Jaume Mesquida). The fellow will be in charge of data acquisition, analysis and interpretation as well the design of new protocols and probes.

Requirements & Conditions

Candidates must hold an internationally-recognized Ph.D.-equivalent degree (or evidence of its completion in the nearest future) preferably in physics, engineering (electrical, biomedical, physics engineering). However, applicants in backgrounds in other areas including clinical sciences are welcome.

The candidate should have a proven experience in:

- Diffuse optics
- NIRS and/or DCS
- participation of in vivo studies
- biostatistics and clinical data analysis is a plus

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,

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- 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.