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## Post-doctoral positions in functional near-infrared spectroscopy (fNIRS) and diffuse optical tomography

ICFO is offering two postdoctoral positions to well-qualified, highly motivated and dynamic young scientists who wishes to enhance their scientific career in a friendly and stimulating environment.

The successful candidates will be joining the **Medical Optics group led by Prof. Dr. Turgut Durduran** to be part of an international consortium working on the development and use of high-density, near-infrared diffuse optical tomography using diffuse correlation/speckle contrast optical tomography along side traditional diffuse optical tomography for applications in pediatrics and neurology.

The successful candidates will be part of the collaboration and work with collaborators in France, Ireland, USA and in Spain.

Overall, the project will provide the candidates with a unique, fast-paced, high application oriented experience with plenty of opportunities for publications, public presentations and even IP protection.

This position will be supported by both Horizon 2020 Programme project "tinyBrains" (<http://tinybrains.eu>) and NINDS of the National Institutes of Health under grant number R01NS090874.

### Eligibility and Conditions

Candidates must hold an internationally-recognized Ph.D.-equivalent degree (or evidence of its completion in the nearest future) preferably in diffuse optical tomography and/or inverse problems in medical imaging. The specific field of the degree can be flexible (physics, engineering, biomedical).

The candidates should have a proven track record in diffuse optical tomography, inverse problems and numerical algorithms. The contact information of three referees are requested.

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.

Salary is offered according to the institutional salary scales.

The contract is offered for periods of 1 year, renewable for a total of up to 4 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.

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## Application procedure

The formal application should be submitted online via <https://jobs.icfo.eu/?detail=652>

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 [Turgut.Durduran@icfo.eu](mailto:Turgut.Durduran@icfo.eu).

For update information about the hosting group, please visit <https://www.icfo.eu/research-group/16/medical/home/437/>.

For updated information about ICFO, please visit <https://www.icfo.eu/>.

## Deadlines

The call will remain open until 24/03/2023.