

11 doctoral candidate (DC) positions for MSCA Doctoral Network CONcISE, Computational imaging as training network for smart biomedical devices

3 of them in Spain: two at the Photonics Research Group (GROC-UJI), University Jaume I, and one at Fyla Laser S.L.

The CONcISE MSCA Doctoral Network is recruiting 11 Doctoral Candidates (DC). CONcISE offers the DCs research and training excellence for the design of three novel systems to address relevant paradigmatic problems related to biomedical imaging with computational imaging techniques. The project partners will lead three main research themes, in addition to an advanced training program, organized in six 'topical schools', for the development and implementation of new cutting-edge systems for unconventional multi-dimensional biomedical optical imaging.

The three topics are multidimensional diffuse optical tomography (SMART-DUO), quantitative fluorescence endoscopy imaging (SMART-FLUO), and wide-field two-photon microscopy (SMART-2PM).

Two of the positions are offered by the **Photonics Research Group (GROC-UJI)**, University Jaume I, Spain, and one by the company **Fyla Laser, S.L.**, in the field of wide-field two-photon microscopy, under the supervision of Drs. Jesús Lancis, Enrique Tajahuerce, and Pere Pérez:

DC 6: Development of a modular optical system for multiphoton microscopy with light structured illumination and computational adaptive compressive strategies.

DC 7: Compressive detection techniques for wide-field multiphoton microscopy.

DC 10: Development of an all-fiber fs-laser for multiphoton microscopy.

Planned Starting Date: 01/09/2023 to 01/11/2023

Application Deadline: 01/05/2023

More information:

<https://euraxess.ec.europa.eu/jobs/86590>

<https://concise-project.eu/vacancies/>