

## Up to 8 PhD-fellowship positions available within the ICFO International PhD Program (MAJOR CALL – Spring 2019)

### DESCRIPTION

ICFO is offering **up to 8 PhD-fellowship positions** to well-qualified graduate students, who wish to **obtain a doctoral degree in any of the research topics covered at ICFO.**

Our PhD-program brings together *top-level training and teaching for young scientists*, benefiting from the extensive course offerings of local universities and focused instruction by ICFO professors, *in a stimulating, international and interdisciplinary environment*. PhD-students have the opportunity to take advantage of our *network of excellence*, consisting in partners of national and international research institutes and universities, as well as industrial partners in the field.

Our International PhD Fellowship Program welcomes applications from **individuals with a degree in a field of science and engineering related to the ICFO research activities.**

Fellowships will be offered across all ICFO research groups in the following research topics:

- Biophysics & Biomedical Optics
- Optical Sensing, Optoelectronics & Photovoltaics
- Nonlinear Optics, Ultrafast Optics & Atto-Physics
- Nanophotonics, Optomechanics & Nanomechanics
- Experimental Quantum Optics & Quantum Information
- Theoretical Nanophotonics, Quantum Optics & Quantum Information

Please, browse our website for details about **ICFO Research Groups and Group Leaders** at <https://www.icfo.eu/lang/research>. In the group profile, you will also see specific available PhD-projects in that particular group (application should be formalized through this present general call with the corresponding selection process applicable). If you are interested in discussing possible research topics, please contact ICFO Group Leaders directly.

**Important:** During your application you will be requested to indicate the research group(s) you are interested in accomplishing your PhD with.

The fellowships are offered in the scope of different **fellowships programs:**

- Marie Curie Early-Stage Researcher position for ITN project “Multiphoton Microscopy and Ultrafast Spectroscopy: Imaging meets Quantum — ‘MUSIQ’”.
- SO-MINECO Fellowships.
- FI-AGAUR (Government of Catalonia) Fellowship.

In addition, internal ICFO PhD group positions might become available, for which we may retain candidates applying to this present call.

## **REQUIREMENTS AND CONDITIONS**

To be **eligible** for an ICFO PhD position, candidates must:

- Have an internationally-recognized Master-equivalent degree. The degree must be completed by the start of your prospective PhD at ICFO, at the latest, and must be in a field of science and engineering related to the ICFO research activities. Degrees issued within the European Higher Education Area (EHEA) must have an equivalent to 300 ECTS, out of which a minimum of 60 ECTS must have been obtained in postgraduate studies. Please, if in doubt regarding your academic eligibility, contact us at [jobs@icfo.eu](mailto:jobs@icfo.eu).
- Have an excellent academic record, previous research experience and a strong commitment for scientific research.
- Have a high working knowledge of English.

Additionally, **candidates for the ITN positions must comply with** the following EU-rules by the time of activation of the COFUND-PhD:

- Candidates should **not have resided in Spain form more than 12 of the last 36 months**.
- The **Master-equivalent degree should not be older than 4 years**. Exceptions are made for documented periods of parental leave. Other equivalent exceptions may be considered when properly documented and motivated by the applicant, e.g. in case of applicants from underdeveloped countries, minorities, or for applicants that pursued their studies under comparatively unfavorable conditions.

No restrictions of citizenship apply to the ICFO positions.

The **conditions** of the positions awarded in the scope of the ICFO International PhD fellowship program are as follows:

- Initial contract for a period of 6 months, while being pre-admitted to the PhD program, with an explicit follow-up/ renewal procedure at the end of this first stage. During this period, students already take part in the ICFO working environment, join a research group, and work with their supervisor to define a research project.
- After this initial period, students are formally enrolled in the PhD Program, and the full PhD Fellowship activated. Fellowships are offered for periods of three years, renewable for an additional fourth year, and are formalized via a PhD-contract. Continuity and renewal are subject to satisfactory performance in the PhD studies and related research activities, evaluated annually by the Thesis Director and the ICFO PhD Committee.
- Selected candidates shall start ideally between June and September 2019.
- All ICFO fellowships include medical care coverage and work accident insurance through the Spanish Social Security system, providing access to the Spanish public health care system.
- Salary conditions vary according to the fellowship scheme finally awarded: ITN Fellows receive the salary stipulated by the European Commission for these fellowships, while Fellows of the other schemes receive the salary according to the corresponding official PhD fellowships programs.

## **APPLICATION PROCESS**

To **apply**, suitable candidates are requested to **<b>submit (in English) online the following material:**

- A Cover Letter with declaration of research interests, as well as specific indication of ICFO research group of interest.
- A Curriculum Vitae, including contact details.
- Scanned copies of the complete (Bachelor and Master equivalent) official academic transcripts in English or Spanish.
- Scanned copies of the degree certificates, if available at the time of application.
- The print-out of the GPA equivalence calculation of your academic results, for your bachelor and master (separately) accomplished via [www.foreigncredits.com/Resources/GPA-Calculator](http://www.foreigncredits.com/Resources/GPA-Calculator)
- If available, scanned copy of standardized test results (GRE, TOEFL, etc.). Note that submission of test results is optional, but they can be particularly helpful for evaluating candidates with degrees obtained outside the European Higher Education Area.
- The names and contact details of 2 referees. **IMPORTANT:** These referees will be automatically contacted by ICFO requesting them to upload a reference letter into the system. When they do so, the applicant will receive an email confirming that the corresponding reference letter has been submitted. Candidates are responsible for ensuring that referees submit these letters.

**All required application material, including letters of reference, must be complete and submitted by deadline in order for the application to be considered.**

The **deadline** for submission of applications for the present call is **February 24, 2019** and the deadline for referees to submit the reference letters is February 27, 2019.

## **SELECTION PROCESS**

In a first step of the selection procedure, applications will be assessed by the selection committee based on merit and potential, measured in terms of the academic record and personal achievements. Academic excellence is a must. Pro-activity, participation in community activities, and capacity for team-work are also taken into account.

Applicants will be notified the results of the first evaluation stage by the middle of March 2019.

In the second step of the selection procedure, shortlisted candidates will receive invitations to visit ICFO for **personal interviews** with the selection committee and ICFO Group/Team Leaders, planned to take place by the beginning of April 2019.

Note: If you are from a country with visa-obligations for Spain, please be advised to already inquire (only inquire) regarding the documentation necessary (usually inviting letter ICFO, plus

travel and accommodation bookings) and the potential appointment-situation at the local Spanish Embassy/ visa-office.

The final list with candidates recommended for fellowship concession, as well as reserve candidates, will be available **by the end of April 2019**. Being the last condition that shortlisted candidates find a hosting group at ICFO, candidates are then asked to contact the Group Leader(s) of choice to negotiate directly a potential PhD in their group, on a fellowship. Candidates and Group Leader should confirm within one week whether an agreement has been reached. Candidates without a match cannot be confirmed the fellowship.

At all stages of the process, candidates may contact ICFO Human Resources and Education via [jobs@icfo.eu](mailto:jobs@icfo.eu); for complete information about the PhD Admissions process at ICFO, please see <http://phd.icfo.eu>

**Deadline:** 2019-02-24