

PhD Scholarships  
INPhINIT  
*Call 2022*

Your doctorate,  
*your story*

at ICMol

You can submit your  
application until  
*27 of January 2022 - Incoming*  
*16 of February 2022 - Retaining*

Scholarships

## *35 DOCTORAL "LA CAIXA" INPHINIT FELLOWSHIPS INCOMING AT RESEARCH CENTRES OF EXCELLENCE IN SPAIN AND PORTUGAL*

### Introduction

---

The 'La Caixa' Foundation is launching a fellowship programme for young researchers of any nationality to carry out a doctorate in the fields of health, and life sciences, technology, physics, engineering and mathematics in Spain and Portugal at accredited centres with the Severo Ochoa or Maria de Maeztu distinction of excellence. The Institute on Molecular Science (ICMol -Universitat de València) offers 10 positions available in Chemistry, Physics, Biochemistry or Chemical Engineering.

### Areas of research offered by the Molecular Science Institute (ICMol)

---

#### Perovskite tandem solar cells

Dr. Hendrik Jan Bolink

#### Ferrocic orders and non-reciprocity in the 2D limit

Dr. Efrén Navarro-Moratalla

#### Molecular Spins for Quantum Computing

Dr. Alejandro Gaita

#### Memristive devices based on Molecular Materials

Dr. Salvador Cardona

#### Interfacing 2D materials with smart magnetic molecules for the design of new hybrid electronic devices

Prof. Eugenio Coronado

#### Multifunctional spintronic devices based on stimuli-responsive magnetic molecules

Prof. Eugenio Coronado

#### Electrical control of probabilistic bits in chiral molecules

Dr. Alejandro Gaita

#### Earth Abundant 2D Materials for Green Hydrogen Production

Dr. Gonzalo Abellán

#### Two-dimensional post-graphene nanomaterials for energy applications

Dr. Gonzalo Abellán

### Convening contact

---

ES: [becas@fundacionlacaixa.org](mailto:becas@fundacionlacaixa.org)  
EN: [fellowships@fundacionlacaixa.org](mailto:fellowships@fundacionlacaixa.org)

### ICMol contact

---

[estrella.vives@uv.es](mailto:estrella.vives@uv.es)

### Convening contact

---

ES: [becas@fundacionlacaixa.org](mailto:becas@fundacionlacaixa.org)  
EN: [fellowships@fundacionlacaixa.org](mailto:fellowships@fundacionlacaixa.org)

## Launch

---

The 'La Caixa' Foundation. [fellowships@fundacionlacaixa.org](mailto:fellowships@fundacionlacaixa.org)

## Deadline

---

The call for applications opens on the date it is published and closes on 27 January 2022 at 14:00.

## Object

---

The "La Caixa" - INPhINIT is co-funded by European Commission's Marie Skłodowska-Curie actions, Horizon Europe.

## Profile

---

Young researchers of any nationality to carry out official doctorate studies at accredited centres. These fellowships are intended to provide researchers with additional training skills that will expand their possibilities for development in their professional careers, not only in the academia, but also in industry and entrepreneurship.

## Duration

---

The fellowships have a maximum duration of three years. Having said that, they are granted for one year and in all cases include the possibility of two renewals, provided that the follow-up reports requested on an annual basis are favourable. If the thesis defence takes place before the three years of the fellowship are up, the fellowship will end on the same day of the defence.

## Call for applications

---

The call for applications is intended for the pursuit of a doctoral degree in the fields of technology, engineering, physics, mathematics, life and health sciences and is aimed at individuals who fulfil the requirements to be admitted into a doctoral programme, provided that they also fulfil the mobility requirements and that they have not previously enrolled in the doctoral studies applied for.

The research centres have published the predoctoral fellowship positions they have available. ICMol offers 10 positions in several investigation fields. These can be viewed on the "la Caixa" Foundation website or in ICMol's website. The fellowship is made effective when the selected candidates and the host institutions reach an agreement regarding their admission.

## Amount

---

The maximum total payment amount will be €122,592, as broken down below:

- Three annual payments of €34,800 each. Where applicable, the amounts corresponding to the Social Security contributions payable by the employer (in this case, the host institution), as well as any other compulsory fee, whether current or that may be provided for in a future legal framework, will be deducted from the yearly gross amount of €34,800 to be received by the fellow.
- €3,564 per year, as an additional amount for conferences, courses, research stays, consumables, equipment, charges for the use of intellectual property, etc. This additional amount will be managed by the centre for the benefit of the fellow and must be justified separately.
- The "la Caixa" Foundation will award a prize of €7,500, which will be paid in the fourth year, should the fellow be able to deposit their thesis within 6 months after the third year of their fellowship has ended.

## Complementary Training

---

- 1- Nationality: Young researchers of any nationality are eligible to apply.
- 2- All individuals who hold a higher education degree when they start at the host institutions, which allows them to enrol in an official doctoral programme in accordance with the regulations in force, are eligible to apply for the fellowship. This official university degree may be conferred by a university in the European Higher Education Area (EHEA) or a non-EHEA adapted one. In the latter case, studies taken up should make the individuals eligible to take up doctoral studies in the country where they earned their degree. Under no circumstances may candidates have previously enrolled in the same doctoral studies for which they are applying for the fellowship.
- 3- Language proficiency: Applicants must accredit their proficiency in the English language by submitting any of the certificates mentioned below:
  - University of Cambridge: minimum score of 173 (First Certificate in English grade A or B, Certificate in Advanced English or Certificate of Proficiency in English) or the Linguaskill online test.
  - IELTS: minimum score of 6.5, in the Academic or General Training version.. -TOEFL: minimum score of 83 for the Internet-based test.
  - School of Modern Languages (EIM) of the University of Barcelona: B2 level or higher, either taking the online English accreditation test (PAI online) or other exam formats.
  - Official Language Schools (EOI) in Spain: Certificate of Competence at the Advanced Level (preBologna Process) or Certificate of B2 Advanced Level (Bologna Process), completed and passed.
- 4- Research experience: On the deadline for applications, applicants must still be within the first four years (full-time equivalent research experience) of their research careers. They must also not have any previous doctoral degree, and not be in a position to apply for it.
- 5- On the deadline for applications, applicants must still be within the first four years (full-time equivalent research experience) of their research careers. They must also not have any previous doctoral degree, and not be in a position to apply for it.
- 6- Mobility. Candidates who wish to join a Spanish centre or university cannot have resided or carried out their main activity (work, studies, etc.) in Spain for more than twelve months in the three years immediately prior to the deadline for applications. Short stays, such as holidays, spent in a country other than their country of usual residence (where they carried out their main activity), will be considered as time spent in their country of usual residence.