We are looking for **PhD candidates**

**Contact:** elaine.armelin@upc.edu

**Centre:** Universitat Politècnica de Catalunya (UPC)

**Faculty/School:** Escola d’Enginyeria de Barcelona Est (EEBE)

**Research Group:** Innovation in Materials and Molecular Engineering-(Bio)regenerative Therapies (IMEM-BRT)

**Competitive Fellow Application:**

**Funding organism:** Doctorat INPhINIT Retaining

**Salary:** “La Caixa” Banking Foundation 34800 € (gross amount/year), 3 years fellow

**Project**

Design of Novel Thermal Sensors Based on Gold Nanoparticles and Biocompatible Polymers for Photo-Thermal Therapy and Non-Invasive Detection

**Requirements of the applicant**

- You **must not** have undergraduate studies (Bachelor or Licenciatura) completed at UPC (Masters at UPC are compatible)
- Master degree (finished or to be finished before September) in Chemical Engineering, Biomedical Engineering or Chemical Science.
- Candidates must have the First-Advanced-Proficiency Certificate in English (See exemptions in the same call for non-Spanish candidates):
  - TOEFL: 83 or higher, in Internet Based.
  - Cambridge University: 173 or higher (First Certificate in English, level A or B, Certificate in Advanced English or Certificate of Proficiency in English).
  - IELTS: 6.5, Academic or General Training grades.
  - Escola d’Idiomes Moderns (EIM) de la Universitat de Barcelona: level B2.2 or higher, PAI online.
  - Escoles Oficials d’Idiomes (EOI) in Spain: superior or Advanced B2, finished and approved.
- The PhD candidate have the obligation to have spent **more than** 12 months of her/his studies/research in Spain at the last 3 years ago. [1 year+1 day -or more- are compatible]

The candidate should not have been enrolled in any doctorate program before **the end of the call** (February 26th, 2 pm, CET).
Documents required

- Online application (in English): [https://www.lacaixafellowships.org/index.aspx](https://www.lacaixafellowships.org/index.aspx)
- Choice of studies to be pursued (in agreement with the Doctorate program in Polymers and Biopolymers of Chemical Engineering Department, at UPC).
- Three reference letters ("La Caixa" Foundation will be addressed through an online procedure with the professors or person responsible to sign the letter).
- Academic records with European supplement of the title (seal) [See the call for non-European Seal certificates]
- Any document that confirms the candidate has:
  - 300 ECTS from Bachelor degree, where at a minimum of 60 ECTS are from Master degree.
  - If not from EEES environment, any document with the equivalent credits in their former University
- Any official document (academic records, Bachelor or Master’ degrees) must have the corresponding translation to English.

Schedule

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Before start the online application

Contact with Dr. Armelin, for more information about the project and for help, **before February 4th**.

Web of the call *(in English and in Catalan)*:
[https://obrasociallacaixa.org/ca/investigacion-y-becas/becas-de-la-caixa/doctorado-inphinit/retaining](https://obrasociallacaixa.org/ca/investigacion-y-becas/becas-de-la-caixa/doctorado-inphinit/retaining)