

*BSH Home Appliances  
Center of Corporate Innovation and Technology (Spain)*

ONE Marie Curie ETN Early Stage Researcher in Laser Micro/Nano Structuring

Posts are available from 1<sup>st</sup> March 2017.

One Marie Curie ETN Early Stage Researcher (ESR) position is available from March 2017 to work in the field of short/ultra-short pulsed laser micro/nanostructuring of surfaces. These are ESR posts funded by the European Commission as part of the LASER4FUN Marie Curie European Training Network (ETN). This job opening covers research position in the frame of a PhD doctoral programme, resulting in a PhD degree awarded by the University of Zaragoza.

The ESRs will undertake PhD projects focused on the characterization of antibiofilm properties in samples provided by other partners in the consortium. The aim of the LASER4FUN ETN programme is to provide multi-disciplinary research training in advanced laser processing for surface structuring/patterning and in applying this technology for embedding new functionalities in existing and new emerging products. The programme brings together researchers from 6 EU countries, in particular from four Universities, four Research Centres and also three companies.

Duties expected of the role are: (i) to perform original research under the supervision of an academic advisor in the area of surface functionalization applications; (ii) to participate in the activities of the LASER4FUN ETN: attending training workshops, collaborating with network partners, and undertaking periodic secondment placements at LASER4FUN partner organisations; (iii) to register for a PhD with the University of Zaragoza and follow the University Doctoral Training Programmes to attain a PhD degree; (iv) to produce written outputs as required during their PhD studies, and also to contribute to engagement and dissemination activities of the LASER4FUN ETN programme; (v) to present regular progress reports within the supervisory requirements laid down by the BSH and the LASER4FUN ETN programme.

Person Specification:

- Master's degree in Chemistry, Chemistry Engineering or Bio-chemistry or a closely related discipline
- Good knowledge/demonstrated awareness of fundamental aspects of fundamental characterization techniques.
- Experience in using a range of technologies/techniques for surface characterization.
- Ability to work in a laboratory environment and undertake experimental research.
- Excellent analysis skills and an analytical mind-set, as well as excellent communication skills, including written.
- An ability to work independently and as a member of a research team.
- Ability to review and engage with interdisciplinary studies.
- English language proficiency. Basic knowledge of Spanish will be considered.

Applicants must also satisfy the eligibility requirements for ESR under the EC Horizon 2020 Innovative Training Network Programme; in particular they should be eligible to be appointed as ESR in Spain – this means:

- To have less than four years research experience after Undergraduate/Masters graduation (this is cumulative research experience and does not include management/industrial or other work experience).
- To not hold a PhD degree (PhD candidates under 4 years of registration and before completion may apply).
- Do not have resided or carried out their main activity in Spain for more than 12 months in the three years immediately prior to their recruitment.

Informal enquiries are encouraged and should be directed to Dr. Francisco Javier Ester ([Francisco-Javier.Ester@bshg.com](mailto:Francisco-Javier.Ester@bshg.com)) and Sandra Alvarez ([Sandra.Alvarez@bshg.com](mailto:Sandra.Alvarez@bshg.com)).

Information about BSH: [www.bsh-group.com](http://www.bsh-group.com)