

**Call for job at the Centro de Laseres Pulsados.
Abstract IMPULSE project (Call 152/21). Deadline 05/04/2021
(Building a high-power laser community)**

The Centro de Laseres Pulsados (CLPU) in Salamanca hosts one of the most powerful Lasers in the world (the most powerful Laser in Spain) called VEGA. VEGA is a Ti:Sa laser system reaching 1PW power with laser intensities up to 10^{21} W/cm² with repetition rate up to 1Hz. The system VEGA is fully operating, and several experimental results are already published (<https://www.clpu.es/science/publications>).

The CLPU started a collaboration with the leading project in Europe Called Extreme Light Infrastructure (ELI) with the aim to build different infrastructures with laser systems characterized by unreached parameters at the forefront of the present state of the art capabilities, such as power (~ 10 PW), repetition rate, photon energy, pulse duration.

The project, called IMPULSE “Integrated Management and reliable oPerations for User-based Laser Scientific Excellence”, is supported by the Association Internationale Extreme-Light-Infrastructure Delivery Consortium (ELI-DC) AISBL and involves the mayor actors in the field of high power science in Europe including the CLPU. IMPULSE is included in the EU call INFRADEV, supported by Horizon 2020 programme.

The **primary scientific aim of ELI within the IMPULSE project** is to implement standards and practices related to supporting the user experience and the establishment of ELI as the most advanced laser-driven science facility in the world. ELI will work with partners from Laserlab Europe and beyond in the context of this project to benchmark and implement best practices. There will also be extensive outreach activities to anchor the success of ELI’s scientific program with a broad community

Under the framework of IMPULSE, the CLPU is searching for a motivated scientist dedicated to the development of such project.

- The duration of the contract is 3 years starting from the 1st of May 2021.
- The gross salary/year can range from 29.500 y 31.000 €

The full call for job is published in the CLPU job section (<https://www.clpu.es/about-us/job-opportunities>) with reference number **152/21**

The successful candidate shall work at the CLPU, with the goal to promote the physics and technology related to high power lasers and foster the growth of the Spanish community connected to those fields of research and development as potential ELI user.

Here follow the main activities to be carried out by the successful candidate:

- Development of the activities related to the dissemination of ultra-intense, ultrashorts laser science and technology research and support for the consolidation of the national community and the one of international users of these facilities, in particular the ELI infrastructure and the CLPU itself.
- Development of technical scientific documentation related to ultrashort lasers ultraintense within the framework of the project, as well as the preparation, search and request of external financing to expand and consolidate the actions included in it.
- Preparation of documentation of scientific dissemination on the possibilities of lasers and their transfer to society. Collaboration in the generation of scientific and technical documentation related to new developments and research lines and on their impact on the scientific community and on society.
- Generation of scientific and dissemination content related to the CLPU activities in web environments, social networks or similar.
- Dissemination of knowledge about intense lasers in specialized forums (teaching university degree, postgraduate, workshops, or other training activities).
- Collaboration in experimental campaigns in the scope of the project, giving support to users in the preparation and execution of access campaigns competitive.
- Participation in the preparation of protocols, procedures, instructions and reports related to the project objectives.

Requirements

- Physics university degree and Official postgraduate Master related to the functions of the job position
- At least one year of proved experience related to the functions of the post job in technological, university, R + D + i centers
- Language proficiency in English, equivalent to B1 of the Common European Framework of Reference for Languages