
**PUBLIC CALL OF THE CONSORTIUM OF
ULTRA-SHORT ULTRA-INTENSE PULSED LASER CENTRE
(CLPU)
FOR THE HIRING OF A SCIENTIST**

Ref. 115/18 – Scientist

The Spanish Pulsed Lasers Center (henceforth CLPU) is a public consortium affiliated with the General Administration of the State, in which the Ministry of Science, Innovation and Universities, the Autonomous Community of Castilla y León and the University of Salamanca participate, and whose objective is to design, build, equip and exploit a permanent installation of laser systems achieving technological leadership, open to the national and international scientific community. CLPU is considered as an agent of the Science and Technology Spanish System.

I. JUSTIFICATION OF THE CALL

This call operates on the basis laid down by Resolution on the authorization of a maximum annual quota for 2018 issued by the Directorate General for Personnel Costs and Public Pensions and the Directorate for the Civil Service in accordance with the provisions of the thirty-first additional provision of the Act 6/2018, of 3 July (Ley 6/2018, de 3 de julio, de Presupuestos Generales del Estado para el año 2018), regarding the General State Budget for 2018, on the authorization of fixed-term employment contracts in consortia controlled primarily by the state public sector

II. SCOPE OF THE CALL

The purpose of this call is to perform a selective process with all of the persons that participate, so as to sign a TEMPORARY contract in the form of a contract for a specific service or labour with the job category and title of Scientist for installing, driving an experimental activity aimed to develop laser targets able to work in high repetition rates, such as high velocity liquid and near critical gas targets. The contract is linked to the investment project covered by the Collaboration Agreement between the Spanish Ministry of Science, Innovation and Universities, the Autonomous Community of Castilla y León and the University of Salamanca for the creation of the Consortium for the design, construction, equipping and operation of the Ultra-short Ultra-intense Pulsed Lasers Center currently in force until December 31st, 2021.

The employment contract will be bound to the objectives of the aforementioned project and especially with the tasks defined in section V of this call.

The duration of the contract is undetermined with an estimated implementation period of two years and a maximum of three years. Trial period of six months.

III. SELECTION BOARD

The Selection Board will be chaired by the Director of the CLPU, and will be composed by the Manager, the Chief of the Scientific Area, the Human Resources Technician and the Director of the CLPU chair.

The functions of the Board can be delegated by means of express authorization.

IV. SELECTION PROCESS

Workers of the CLPU that meet the requirements set in the call and whose contract complies with the labour regulations may participate.

In case of candidates equally well qualified, those persons with some degree of disability will be given preference.

The selection process will start the day after the end of the application reception period, and will last a period of two months. The foreseen date of incorporation is February 2019, developing along the following phases:

First phase: Evaluation of the fulfilment of requirements by the candidate

The evaluation of the fulfilment of the requirements requested in then present call would be performed through the information supplied in the *curriculum vitae* by the candidates. The tribunal might ask for clarifications or justifications deemed appropriate for a correct evaluation.

As about the evaluation of the language proficiency in the English language that is required from the candidates, it will be performed through an evaluation of their oral and written comprehension to measure their level. If the selection tribunal deems it appropriate, those candidates that justify their level by providing with accreditation issued by an accreditation body may be exempt. Also, those candidates who had previously provided with accreditation in previous calls issued by the CLPU may be exempt.

This phase may not last more than one month, at the end of which the corresponding resolution will be issued, including a list containing all the candidates that are deemed apt, and therefore remain in the selection process.

Second phase: Merit assessment

The candidates passing the first phase will step into the evaluation of the additional merits through a personal interview, preferably in-person, although other ways, such as teleconference, video-chat and others, will be allowed.

Also, and if deemed appropriate by the selection board, a specific test may be scheduled, and additional documentation related to the merit valuation may be requested.

This phase will last a maximum of one month and will end with the final resolution of the process and appointment of the candidate that has obtained the best valuation to fill the position object of the call.

Optionally, up to two candidates may be appointed, through order of precedence, to fill the position shall the originally appointed candidate renounce.

The information about the development of the selection process will be published on the website, identifying the candidates by their names and surnames, as well as their last four digits of national ID numbers; NIE, passport or equivalent document.

V. FUNCTIONS AND COMPETENCES OF THE JOB POSITION

The CLPU is looking for a junior scientist, with a master degree, preferably in physics or an equivalent qualification required to have access to a PhD program, with experience in high intensity laser-plasma physics and related diagnostics, strengthening the scientific activities in the operative phase of CLPU.

The employee's responsibilities will be:

- Development of tools apt to perform a full space/time characterization of the laser target without laser excitation.
- Design experiments able to drive high repetition rate laser plasma interactions at high density (from near critical to over-dense).
- Set-up a scenario for active and potentially high repetition rate characterization of produced particles out of the interactions (e.g. Energy, Charge, space, time distributions).
- Tasks related to security and conventional risks prevention in the facilities and participation in the different teams in charge of it.
- Any other task commissioned to the employee, which he/she is capable of doing relating to the specific service or labour described in section II.

Fundamental competences of the job position:

- Ability to carry-out a proficient team-work, especially in an international environment. Capacity to relate with the other scientists, and with the running infrastructure of CLPU.
- Ability to plan and foresee all the necessary actions to reach the objectives fixed by the supervisor.
- Provide a reporting activity and being able to make scientific communications in different manners (e.g. scientific journals, presentations in international conferences etc.).
- Proactive attitude: ability to propose and implement actions to apply to new and evolving scientific issues.
- It is required a bent for a continuous learning, and a multi-disciplinary attitude. The successful candidate will have to interface with different groups of international scientists collaborating in different tasks.

Remuneration will be commensurate with the value of the candidate, the job offered and the CLPU salary table. As a guideline a range for fixed annual, full time equivalent gross salary, between 21.693,19 / 24.947,17 € has been established, this being a combination of a fixed part and a variable one, based on the objectives met by the employee and assigned by the CLPU every year.

The working languages in the CLPU are Spanish and English, interchangeably.

VI. MINIMUM REQUIREMENTS

To participate in this call, it is essential to meet all the requirements listed below, and accredit them as previously stated:

- R1.- Master degree in Physics or equivalent, giving access to a PhD program.
- R2.- High level of English spoken and written.
- R3.- At least two years of experience in experimental laser-plasma interactions or in modelling activities related to this field.
- R4.- Experience in the state of the art of high repetition rate targets for high intensity laser-plasma interactions.
- R5.- Experience in high intensity laser-plasma diagnostics.

VII. VALUABLE MERITS

The candidates fulfilling the minimum requirements will be further evaluated according to the list of the additional valuable merits reported hereafter. Where possible the score will be normalized according to the scientific age of the candidate.

- M1.- Knowledge of computer codes related to laser-plasma physics.
Maximum score 8 points.
- M2.- Experience in laser management in high intensity laser-plasma experiments (i.e. alignment inside and outside vacuum, probes synchronization, harmonic generation, time resolved measurements, etc.). Maximum score 5 points.
- M3.- Experience in the issues related to ultra-intense laser beam handling in the experimental areas (e.g. plasma mirror, focusing, synchronization of multiple beams, advanced probes design etc.). Maximum score 5 points.
- M4.- Experience in the use of X-ray detectors, and related measurements in a laser-plasma environment. Maximum score 5 points
- M5.- Knowledge of fluid computer codes for laser targets design.
Maximum score 5 points.
- M6.- Experience in techniques aimed at characterizing targets geometry in density and space, such as interferometry, shadowgraphy and so on.
Maximum score 5 points.
- M7.- Being involved in an on going PhD program or other academic program related to the topics of the present call and relevant for the CLPU.
Maximum score 5 points.
- M8.- Scientific presentation (talks or posters) at relevant International conferences or schools.
Maximum score 2 points.

The minimum score for the candidates to overcome the second phase of the call will be 20 points.

VIII. PRIVACY AND DATA PROTECTION

The CLPU, in accordance to what is established in the Regulation (UE) 2016/679, April 27th 2016 and the Organic Law 15/1999, of December 13th, regarding the Protection of Personal Data, wishes to inform that the personal data provided by candidates through their application, as well as any other that may be generated as a consequence of their participation in the selection processes, will be stored in a file owned by the CLPU titled “Currículum Vitae”, with the purpose of managing the processes of personnel selection and recruitment procedures through public calls to which the Center is legally bound and the subsequent execution of the selected person’s contract.

The participation in the selection processes of the CLPU is voluntary as is the communication of your personal data to the Center, it being understood by the Center that the submission of the curriculum vitae translates into express consent for the processing of the personal data of the applicants for the aforementioned purpose, without prejudice that, being that data processing entirely voluntary, applicants have the right to exercise the rights under the aforementioned Regulation as detailed in the additional information that they may access through this link: https://www.ccpu.es/en/PD_CVitae

If applicants give us data related to health and/or disability so as to apply for the aforementioned positions, they acknowledge that their declaration is voluntary and translates into express consent for the CLPU to store said data in the file of which is responsible in order to complete the tests and selection processes.

IX. APPEALS ON A CURRENT CALL

An appeal for reconsideration (Recurso de Reposición) against this public call for hiring of the CLPU may be lodged to the Director within a month from the issuance of the Resolution. Also, a contentious administrative appeal (Recurso Contencioso-Administrativo) may be lodged against the resolution before the contentious administrative court of Salamanca, within 2 months of the issuance of the Resolution. If an appeal for reconsideration against the resolution is lodged, it will not be possible to lodge a contentious administrative appeal until the appeal for reconsideration is resolved, or dismissed. All this in accordance with the provisions of articles 123 and 124 of the Law 39/2015, October 1st, of the Common Administrative Procedure of the Public Administrations*.

*Ley 39/2015, de 1 de octubre, del Procedimiento Administrativo Común de las Administraciones Públicas.Públicas.Públicas.

X. APPLICATIONS

To participate in this call, every interested person shall complete the form available in our website (<https://www.ccpu.es/es/about-us/job-opportunities>).

Once completed, it shall be submitted through the website, attaching your Curriculum Vitae. The deadline for submissions will end on the 9th of December 2018.

Participation in this selective process entails the full acceptance of the call. The selection board may declare null and void the call for this position.