

Ref. Conv-FU-133/2019

1. POSITION OFFERED

1.1. A job is being opened to cover **1 Position of Bachelor's Degree** to support **FUNDACIÓ CLÍNIC PER A LA RECERCA BIOMÈDICA (FCRB)** at the research project "*Improving Chimeric Antigen Receptor (CAR)-T cell therapy for mature B cell malignancies with CART and NK-CART combination treatment*", with temporary full time contract in the following professional category:

Required qualifications and skills:

- **Required Degree:** University Degree at Biology, Biomedicine, Biochemistry, Biotechnology or similar.
- **Experience:**
 - Preferable molecular biology experience and cell culture experience.
 - Desirable high qualifications during the Degree.
- **Languages:** English high level.

Job description / Tasks to be developed:

Our research line is based on the development and improvement of chimeric antigen receptor (CAR) cell-based immunotherapy for the treatment of hematological malignancies. CAR immunotherapy consists on the modification of immune cells with a chimeric antigen receptor (CAR) to recognize specifically a particular antigen expressed on the tumor cell. Specifically, we work with autologous T lymphocytes obtained from the patient, and also with cord blood-derived natural killer cells (CB-NK), which due to their intrinsic feature of not inducing "graft versus host disease", allow the advantage of obtaining Universal CARs "off the shelf", available at any time. In addition, we aim to avoid relevant disadvantages associated to this therapy, including: 1) Exhaustion of CART cells, which limits the persistence of CART cells in the patient; 2) the high inflammatory response, termed "cytokine release syndrome", which occurs after administration of CART cells and 3) tumor cell resistance mechanisms such as loss of expression of the target antigen in the tumor cell and other unknown mechanisms responsible for development of refractoriness in the patient.

We look for a PhD student to develop an optimized treatment for multiple myeloma and Non-Hodgkin Lymphoma based on the combination of CAR-T cells and CB-NK.

Main aims include:

1. To compare the efficacy of CART and CAR-CB-NK targeting BCMA, and also the combination of CART+CAR-CB-NK and CART+CB-NK.
2. To analyze whether the addition of CB-NK avoid the exhaustion of CART cells.
3. To analyze the pro-inflammatory secretome released by both CART and CB-NK after contact with tumor cells, and their impact in the cytokine release syndrome, tumor cell proliferation and loss of expression of the target antigen.

Presentation of applications:

All documents must include the reference code of the job offer (see upper left corner of the call)

- Candidates must enclose a motivation letter and their Curriculum Vitae (including your contact details).
- Proof of the merits exposed and the degree obtained must also be included in the application.
- The authorization request for personal data must be signed and attached -European Regulation (UE) 2016/679- (see page 3).

Place of submission: (clearly indicating the reference code of the job offer)

1. Delivering it personally to the Dept. of Human Resources, located on the Esther Koplowitz Centre, C/ Rosselló 149, from 10 am to 1 pm from Monday to Friday.
2. By e-mail to the e-mail address: rrhh.fundacio@clinic.cat

Application Deadline: 28/09/2019

1.2. The recruitment will be carried out according to the provisions of Article 15 of the Royal Legislative Decree 1/1995, of 24 March, which approves the text of the law of the Statute of workers, in accordance with the provisions of art. 2 of the Royal Decree 2720/98, of 18 December (BOE of 8 January 1999), law 12/2001, of 9 July (B.O.E. of 10 July) and concordant provisions.

The principle of equal treatment between men and women will be considered, according to article 14 of the Spanish Constitution, the Community Directive of 9 February 1976 and what is foreseen in the agreement of the Council of Ministers of 4 March 2005, which approves the plan for gender equality in the General Administration of the State.

The universal accessibility for disabled persons will be considered according to the second paragraph of Article 1 of the law of December 2 51/2003 of equality of opportunities; 5% of the vacancies are preserved when candidates' pas the selection process and disabilities are proved. Also, compatibility with the tasks associated to the job must be proved so that progressively we reach 2% of all workforces. "

1.3. Annual gross remuneration inherent to the job offer object of this call will be fixed on the basis of the experience provided and the skills of the candidates.

1.4. In accordance with Regulation (EU) 2016/679 of 27 April 2016 on the protection of natural persons with regard to the processing of personal data (hereinafter the "Regulation"), we hereby inform you that:

- The party responsible for processing your data is the *Fundació Clínic per a la Recerca Biomèdica* (hereinafter "FCRB"), with Corporate ID No. G59319681, and registered address in Barcelona, Carrer Rosselló 149-153. You may contact the Data Protection Manager by sending an email to protecciodades.recerca@clinic.cat or by writing to the Legal Director at Carrer Rosselló 149-153, Barcelona.
- When presenting your candidacy or sending us your CV, your data must be communicated with the aim and purpose of allowing employees at the entity to carry out management and selection processes.
- The information will be used by administrative and employee services in our entity, for their corresponding services, and may be submitted in full or in part to any authorities that, for legal reasons, require this type of information.
- The data provided will be held for a period of 1 year, and in addition once the relationship has been completed the data will be held for the period necessary to comply with legal provisions.
- The data provided may be transferred to a third country or international organisation, where necessary to justify the contract and/or salary of the employee providing the data.
- You have the right to access your data, request rectification of inaccurate data or request the removal of your data. Equally, you have the right to restrict the processing of your data, and you may oppose or withdraw consent for your data to be used in certain circumstances. You may exercise these rights by writing to the Legal Director at Carrer Rosselló 149-153, Barcelona, or by sending an email to protecciodades.recerca@clinic.cat. We also inform you of your right to file a complaint with the Catalan Data Protection Authority (*Autoritat Catalana de Protecció de Dades*) for any action taken by FCRB that you believe infringes your rights.

Barcelona a 19/09/2019
Marta Fernandez Cufi
Human Resources Manager

AUTORITZO A:

La FUNDACIO CLINIC PER A LA RECERCA BIOMÈDICA a que tracti les meves dades amb finalitats de selecció de personal, qui les cedirà únicament en aquells casos legalment exigibles, de conformitat amb l'exposat al Reglament (UE) 2016/679, i corresponent normativa que el desenvolupa.

Nom i Cognoms:

Signat:

Barcelona, a

