

Post-doc position in Dijon, France

Offer type: Postdoctoral Researcher (m/f):

Contract: Temporary

Salary range: ≥ 25,000 and < 35,000€ annual gross

Employer: University of Burgundy

Workplace: DIJON - FRANCE

Skill area: Biology, Medicine, Health - **Molecular and cellular biology**

Posting date: 11/25/2021

Application deadline: 12/31/2021

Mission:

The position is open for 1-year and supported by the "Conseil Régional de Bourgogne Franche-Comté". During the year, the candidate will be asked to apply for postdoctoral fellowships to obtain additional funding.

Candidates profile:

Applicants should be highly motivated with experience in cellular and molecular biology techniques and animal experimentation.

He/She will be in charge of the project described below:

Although promising, immunotherapy using monoclonal antibodies against immune checkpoint does not make it possible to treat efficiently all patients. Therefore, for many cancers, chemotherapy remains the first-line treatment and we participated in the demonstration that immune cells are involved in the anti-tumor effect of chemotherapies through immune cell death. Several of our studies have also shown that other treatments will target immunosuppressive cells. Cisplatin targets Tregs, and 5FU and Gemcitabine kills MDSC. Nowadays, the identification of new therapeutic combinations making it possible to improve the efficacy of existing treatments, in particular by boosting antitumor immunity, is a research avenue for the management of patients.

This program is based on preliminary data showing that the Doxorubicin + GTN (glyceryl trinitrate, a nitric oxide (NO) donor used in cardiology) combination potentiates the response to Doxorubicin by impacting the immune response. This combination seems to have its effect through modulation of lipid metabolism of MDSC in mice, thus modulating their activity. Since doxorubicin is a treatment used in many diseases, the characterization of its mechanism of action and the identification of therapeutic combinations to improve its effects would be of major importance for many patients.

University of Burgundy offers:

Located 10 minutes away from the city center, it spreads out over 120 ha in a very green environment. Several libraries, high quality sports facilities, a very attractive cultural center, a permanent art exhibition, several university restaurants and halls of residence for students, a day nursery as well as 130 lively student associations are to be found on the campus. Public transportation is free on the campus.

Dijon is at 1h30 by train from Paris.

Contacts

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