

Postdoctoral position in Cellular and Immune therapies of Hematologic Disorders

The host institution

In the Center for Cell-Based Therapy (CTC), interdisciplinary teams of renowned scientists seek new insights on the biology of hematopoietic stem cells as well as to develop innovative cell-based approaches to treat life-threatening diseases. CTC is a part of the Program of Research, Innovation and Dissemination supported by FAPESP (Fundação de Amparo à Pesquisa do Estado de São Paulo). CTC is composed by researchers of the University of São Paulo and of the Blood Center of Ribeirão Preto and possess laboratories equipped with state-of-the-art equipment and a Cell Therapy Laboratory for clinical grade manipulation, manufacturing, and expansion of hematopoietic stem/progenitor cells and chimeric antigen receptor (CAR)-T cells. The University of São Paulo also provides a rich academic environment for knowledge exchange, educational training, and innovative thinking.

Position description and responsibilities

The postdoctoral research fellows will work on projects related to the generation and characterization of CAR-T cells to treat oncologic diseases such as leukemia, lymphoma, multiple myeloma and solid tumors and on studies about novel targets and on strategies to improve the therapeutic efficacy of CAR-T cells. In addition, fellows will develop projects for the manipulation and expansion of hematopoietic stem cells derived from bone marrow failure syndromes in pre-clinical and clinical settings. The positions involve a constant effort to translate the potential findings into clinical application. Thus, the ability to establish a productive dialogue with healthcare experts is of paramount importance for this position.

Requirements

1. Applicants must have a PhD degree in the field of biological sciences and a strong research background in immunology and/or cellular immunotherapy;
2. Previous experience in stem cell and/or leukemogenesis research, and knowledge of cell and molecular biology techniques are highly valued. The technical skills should include extensive experience in molecular biology (specially cloning, vector design and gene transfer), cell culture, flow cytometry, T cell functional assays and animal experimentation;
3. Applicants must be highly motivated with a strong publication record exemplified by first author papers and willing to work in a multidisciplinary, highly collaborative and fast paced environment;
4. Excellent level of spoken and writing English are essential;
5. Experience with bioinformatic analysis, scientific communication and mentorship is highly desirable.
6. Communication skills in Brazilian Portuguese are not required.

How to apply

Applications must be sent to the e-mail: fernanda.udinal@hemocentro.fmrp.usp.br until March 15th 2020 at 18 pm (BRT). Additional information is found at: <http://ctcusp.org>. The successful candidate will be awarded with a FAPESP postdoctoral fellowship. The stipend of the FAPESP post-doctoral fellowship is R\$ 7,373.10 (<http://www.fapesp.br/3162>).

Interested applicants should submit a letter of motivation (1 page max), complete CV (2 pages max), and two recommendation letters with respective contact information of the references.