

Post-doctoral position in immunotherapy, Mondor Institute for Biomedical research (U955), Créteil, France

Position starting as soon as possible.

Applicants are invited for a 3-years position in the research team “**Immunoregulation and biotherapy**” led by José Cohen within the “**Mondor Institute for biomedical research**”. This project of immunotherapy will be developed in the context of a PSPC (structuring project for competitiveness) granted by the Public Bank of Investment. The project as a whole brings together two academic laboratories and two private companies, one developing therapeutic antibodies, the other, softwares for in silico clinical trial development.

The team “**Immunoregulation and biotherapy**” works on the modulation of the immune response applied to allografts (including gestation) and cancer. Our conceptual contributions rely on original discoveries in the field of checkpoints of the immune response (IL411, TNFR2, TFH interaction – B cells). We also take a fresh look at the interactions between immune response and tumor microenvironment by studying the interdependencies between tumor vascular normalization and quality of the immune response with or without therapeutic intervention. This team encompasses 35 persons (<https://www.imrb.inserm.fr/en/teams/j-cohen-2/>).

The main objective of the project will be (i) to define the in vivo mode of action of an anti-CD25 mAb for its current use in corticosteroid-resistant aGVHD (ii) to test the efficacy and mode of action of the humanized candidate of 2nd generation and (iii) propose new indications for the 2nd generation candidate in the context of GVHD. For this, the applicant will have to develop original experimental models of xeno-GVHD and classical model of mouse GVHD but using as donors, mice expressing human CD25.

Candidates will have a Ph.D. in immunology. She/he should have demonstrated success in a previous research experience in immunology with an important experience in cellular immunology. Strong motivation, autonomy and ability to quickly and effectively adapt the project will be essential.

Written and spoken English and French (for regular meeting with partners) will be appreciated. A certificate in animal experimentation is required.

Please send CV, motivation letter and contact details of at least two persons able to provide references to Pr José Cohen (jose.cohen@inserm.fr) and Dr Caroline Pilon (caroline.pilon@inserm.fr)