***Fully funded 3 years Post-Doctoral position***

***from INCa Project***

**IRMB - INSERM U1183, Hôpital Saint-Eloi, Montpellier, France**

**Stem Cell and Genome Plasticity in Development and Aging**

**Team Leader Jean-Marc Lemaitre**

We are seeking to appoint a postdoctoral researcher to better understand the role of cellular reprogramming associated to senescence escape to cancer initiation, to identify and validate novel targetable biomarkers of cancer stem cells. The postdoc will be based in the laboratory of Dr Jean-Marc Lemaitre, Group Leader of the Team Genome and Stem Cell Plasticity in Development and Aging, and co-Director of the Institute of Regenerative Medicine and Biotherapies of Montpellier, France. This position is funded by INCa (French National Institute of Cancer), and is available from 1st January 2022.

Jean-Marc Lemaitre’s research aims to understand the epigenetic control of senescence/aging and age-related diseases. The team demonstrated that cellular aging is reversible by reprogramming through pluripotency and developed transient reprogramming strategies in *in vivo* and *in vitro models*, to escape from senescence. Candidates must have a PhD in the biological/biomedical sciences. A significant experience in cell senescence and stem cell reprogramming, as well as skills in bioinfomatics analysis are mandatory. A second Post-Doc, will be highly appreciated. A collaboration is engaged with Marco-Mendoza Parra (partner in the INCa project), leader of the Team SySfate from Genoscope (Evry, France), to further develop system biology analysis. These studies will enable us to dissect the role of senescence escape in cancer stem cells formation by a multidimentional profiling approach integrating, transcriptomes, epigenome, chromatin domain interactions in a time dependent manner. The ultimate objective is to identify new therapeutic targets to develop npharmacologically-active drugs for tumor eradication.

The postdoc will carry out independent research and will be supported by an Engineer from the Team.

**How to apply:** Applications are invited from outstanding and highly motivated candidates for a fixed term position as postdoctoral researcher in the group of Jean-Marc Lemaitre, at the Institute of Regenerative Medicine and Biotherapies in Montpellier.

Applications will include a cover letter, CV, and the contact details of three referees should be sent, via e-mail to Jean-Marc Lemaitre : jean-marc.lemaitre@inserm.fr