



3-YEARS POST-DOC POSITION AVAILABLE PROSTATE CANCER AND COLD PLASMA



Genetics Reproduction and Development Institute

Baron-Lobaccaro Lab

A 3-year post-doc position is available in the laboratory managed by **Dr. Silvère BARON** and **Pr. Jean Marc LOBACCARO** (NUREP Group) at Genetics Reproduction and Development Institute (iGReD) in Clermont-Ferrand (France). The candidate will be involved in a large research program on “Evaluation of cold plasma treatment on prostate cancer pre-clinical models”

The research project aims to challenge **cold plasma as potential treatment for surgical margin during prostatectomy procedures**. To explore this field, pre-clinical models such as PTEN^{PC-/-} mice as well as NSG orthotopic grafting will be used to address two questions: 1) **To identify and to characterize the effects of the treatment in vivo** on tumor development, tissue architecture remodeling, vascular dynamics, and microenvironment response (Stromal reorganization, immune infiltration etc.) 2) **To optimize plasma treatment for defining optimal conditions** for translational application (Exposition time, device design, additive treatments etc.).

The Research Scientist position requires a PhD in molecular biology and a basic knowledge in cancer biology and preclinical mouse models at minimum, 0 to 4 years of post-doc **experience in mouse models and cancer research**. Additional skills in cell culture and technological approaches will be welcome. Candidate will oversee in vivo protocols both for the experimental design and regulation matters that imply a formation in animals manipulation and care.

Genetics Reproduction and Development Institute environment provides state-of-the-art equipment such as transgenic animal facility platform, pathology exploration platform, confocal microscopy, cell sorting-cytometry platform etc.

Qualified candidate with robust experience in mouse models for cancer research can send an application including a cover letter, a curriculum vitae and the names of two referees. Candidate is encouraged to apply by sending applications to silvere.baron@uca.fr and/or j-marc.lobaccaro@uca.fr

For details on the Baron-Lobaccaro lab (NUREP), go to <https://www.gred-clermont.fr>



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