

Job description

- Postdoc Scientist at the Cancer Research Center of Lyon (CRCL), France
- 2 years fixed contract funded by INSERM
- Anticipated start first semester 2018

We are currently looking for postdoctoral researcher to join the “Activin Tumor Signaling” group of the Signaling, metabolism and tumor progression team headed by Ruth Rimokh/Germain Gillet at the Cancer Research Centre of Lyon (CRCL, France; <http://www.crcl.fr>). This team is part of the CRCL that will provide an excellent research environment including core facilities, support services as well as an international stimulating environment.

Our group is interested in understanding the roles of the TGF β -related family of Activin ligands and their signaling during tumor development. The 2-years funded position will aim at pursuing the work our group has been developing on Activin signaling in the context of pancreatic ductal adenocarcinoma (PDAC). PDAC is a malignant tumor characterized by rapid progression that affects the exocrine compartment and is associated with an abundant stromal reaction. Since few years, the contribution of this massive stroma has emerged as a novel actor and contributor to the profound immune suppression and consequent tumor progression in PDAC. This immune suppression is largely due to a complex physical and functional modification of tumor surrounding microenvironment. Alterations of the microenvironment may therefore have a major impact on the mechanical properties of the cancer or immune cells. However, the exact contribution of the mechanical properties of tumoral stroma in the modulation of the immune response is under investigated and ignored in PDAC. The successful candidate will more precisely investigate the mechanical contribution of the tumor stroma in the immune modulation that takes place in PDAC.

Desired skills and experience

Candidates must have a PhD degree in Immunology, Cancer Biology, Cell/Molecular Biology or related field, in addition to the appropriate experience and track record. A good knowledge of tissue culture, basic molecular and cellular biology approaches and immunological techniques, such as flow cytometry, is required. Experience in cancer research and *in vivo* immunology would be advantageous. Please note that candidates with a strong background in Mouse/Human immunophenotyping will be privileged.

Flexibility and autonomy will be key points for the recruitment regarding the challenge of working with fresh tumor resection as well as managing the *in vivo* rat and mouse studies.

Recruited candidate will be responsible of the following tasks:

- Organization of the experimental timings.
- Realization of the experimentation (FACs, Confocal Imaging, ...).
- Preparing project-progression reports and publications in English.
- Supervision of the Technical support provided by our team.

The candidate should be self-motivated and driven with good communication skills and ability to interact effectively and work productively in a team. A high level of English, spoken and written, is a requirement.

Application process

The application must contain the following documents in English:

- 1 Curriculum vitae, including thesis title and date of defense.
- 2 A list of publications
- 3 Letter of motivation (~1 page), explaining research interests and expertise

Application documents should be sent to: or Ana.Hennino@inserm.fr