

## Research Engineer

 CDD 12 month (renewable)

 Starting : 01/12/2022

 Toulouse

 Bac +8

Inserm is the only French public organization entirely dedicated to biological, medical and population health research. It has research laboratories throughout France, grouped into 12 Regional Delegations. Our institute brings together 15,000 researchers, engineers, technicians and administrative staff, with a common objective: to improve the health of all through the advancement of knowledge about living organisms and diseases, innovation in treatments and public health research.

Joining Inserm means joining an institute committed to parity and professional equality, diversity and support for its employees with disabilities, from the moment they are recruited and throughout their career. In order to preserve well-being at work, Inserm has an active policy on working conditions, based in particular on a fair balance between personal and professional life.

In 2016, Inserm received the European HR Excellence in Research label and is committed to developing its recruitment and evaluation practices for researchers.

### Emploi

#### Poste ouvert aux candidats

- Agents fonctionnaires de l'Inserm par voie de mobilité interne
- Agents fonctionnaires non Inserm par voie de détachement
- CDD agents contractuels

#### Catégorie

A

#### Corps

IR – Ingénieur de Recherche

#### Emploi-Type

A1A43 - Ingénieur-e biologiste en laboratoire

### Structure d'accueil

#### Département/ Unité/ Institut

UMR1037 – Toulouse Cancer Research Center (CRCT)

#### A propos de la Structure

The CRCT is a research center recently built by INSERM, CNRS and the University of Toulouse, specialized in multidisciplinary translational research, particularly in oncology, hematology and immunology. The center is located in a modern biotechnology campus and is adjacent to the Toulouse Cancer Clinical Center (IUCT Oncopole) allowing CRCT scientists to work in close collaboration with clinicians. The CRCT hosts 18 high-performance research teams and eight core facilities grouped in a technology center.

#### Directeur

Gilles FAVRE

#### Adresse

2 avenue Hubert Curien, Oncopole de Toulouse  
CS 53717, 31037 TOULOUSE CEDEX 1

#### Délégation Régionale

Occitanie Pyrénées

### Description du poste

#### Mission principale

The person recruited will be in charge of proposing, developing, adapting and implementing biology techniques for the research activity in the framework of the ITMO Cancer project

"Functional exploration of the microenvironment of cancers with poor prognosis " coordinated by Christine Jean.

<b>Activités principales</b>	<ul style="list-style-type: none"> <li>• Performing in vivo experimentations already in place in the team (microsurgery, IP &amp; IV injections, ultrasound, small animal sampling, tissue inclusions) and histological analysis</li> <li>• Set up of microscopy techniques allowing the monitoring and ex vivo analysis of immune cell migration/invasion in 3D (within a tumor or an extracellular matrix network)</li> <li>• Development of Multiplex labeling on human and murine tumors</li> <li>• Conduct, within the framework of an experimental program, a set of biology techniques (flow cytometry, cell cultures, histology, biochemistry, molecular biology including genome editing (CRISPR Cas9), ...),</li> <li>• Preparation of samples for techniques such as RNAseq, matrisome...</li> <li>• Ensure a scientific and technological survey in the field of activity in order to optimize and adapt protocols, to propose new approaches...</li> <li>• Analyze, interpret and present (oral &amp; written, French &amp; English) obtained results</li> <li>• Supervise students (M1, M2R, Thesis)</li> </ul>
<b>Spécificité(s) et environnement du poste</b>	<p>The realization of the project implies the manipulation of small animals and to work on two Toulouse sites: the CRCT and the IPBS</p>
<b>Connaissances</b>	<ul style="list-style-type: none"> <li>• Training and professional experience in murine model animal experimentation</li> <li>• Theoretical and practical knowledge in oncology and immunology</li> <li>• Theoretical and practical training in microscopy and flow cytometry</li> <li>• Mastery of cell biology techniques (culture, transfection and transduction) and molecular biology (PCR, qPCR, genotyping)</li> <li>• Health, safety and animal experimentation regulations</li> <li>• Applied computer science (office automation and specialized software: ImageJ, Prism, Zen, Diva)</li> <li>• Mastery of French (level C1) and English (level B1)</li> </ul>
<b>Savoir-faire</b>	<ul style="list-style-type: none"> <li>• Animal experimentation (IP, IV, microsurgery is a plus)</li> <li>• Biology techniques (microscopy, flow cytometry, cell culture, molecular biology...)</li> <li>• Design of experimental protocols in the context of a scientific project</li> <li>• Exploitation of results and guaranteeing their management, follow-up and quality (keeping a laboratory notebook)</li> <li>• Ability to analyze and synthesize results in order to communicate about results (reports, oral communication in French and English, publications...);</li> <li>• Active reflection in the management of projects, proposing improvements in the event of technical or scientific obstacles</li> <li>• Ensure a scientific and technological survey in the field of research to adapt the project at the conceptual and technical level</li> <li>• Integrate the activity in the scientific projects of the team</li> <li>• Ability to work in a team and autonomously</li> <li>• Experimental rigor and priority management</li> </ul>
<b>Aptitudes</b>	<ul style="list-style-type: none"> <li>• Scientific integrity</li> <li>• Rigor</li> <li>• Team spirit</li> <li>• Strength of proposal</li> <li>• Autonomy</li> </ul>
<b>Expérience(s) souhaité(s)</b>	<p>&gt; 2 years experience as a Research Engineer</p>
<b>Niveau de diplôme et formation(s)</b>	<ul style="list-style-type: none"> <li>• PhD or engineering degree</li> </ul>

## Informations Générales

**Date de prise de fonction** 1<sup>er</sup> décembre 2022

**Durée** 12 month renewable

**Temps de travail**

- Full time
- 38h30 per week
- 32 days of annual leave and 13 days of paid leave

**Rémunération** From €2,488.07 per month, according to Inserm's current salary scale

## Modalités de candidature

**Date limite de candidature** 15 Octobre 2022

**Contact** Christine JEAN

**Pour postuler** Send CV, motivation letter and recommendation letter(s) to [christine.jean@inserm.fr](mailto:christine.jean@inserm.fr)

**Pour en savoir +**

- Sur l'Inserm : <https://www.inserm.fr/> ; site RH : <https://rh.inserm.fr/Pages/default.aspx>
- Sur la politique handicap de l'Inserm et sur la mise en place d'aménagements de poste de travail, contactez la Mission Handicap : [emploi.handicap@inserm.fr](mailto:emploi.handicap@inserm.fr)