



Institut de Médecine Régénératrice et de Biothérapies

Directeur : Christian Jorgensen

Hôpital Saint-Eloi, 80 Avenue Augustin Fliche
34295 MONTPELLIER Cedex 5



Fully funded Research Engineer position

Functional efficacy of engineered extracellular vesicles from mesenchymal stromal cells in osteoarthritis

IRMB - Inserm UMR1183, Hôpital Saint-Eloi, Montpellier, France

The engineer will carry out research on extracellular vesicles (EVs) derived from mesenchymal stromal cells (MSCs). The candidate will join a team developing EV-based therapies for autoimmune and osteoarticular diseases. The person recruited will be responsible for optimizing the process for producing EVs, and setting up their biochemical and functional characterization. The vesicle production process will be optimized to meet GLP criteria, and mesenchymal stromal cell culture conditions will be adapted to enhance their therapeutic effect. The optimization of EVs will be validated by *in vitro* and *in vivo* functional tests in mouse models of osteoarthritis and systemic scleroderma.

How to apply: Applications are invited from outstanding and highly motivated candidates for a fixed term position as engineer in the group of Danièle Noël, “Organoids, Mesenchymal stromal cells and Extracellular vesicles for osteoarticular diseases therapies”, at the Institute of Regenerative Medicine and Biotherapies in Montpellier. This position is part of the IHU Immun4cure project and is available for up to three years with a project beginning in May 2024.

Applications to include a covering letter, CV, and the contact details of three referees should be sent, via e-mail to Danièle Noël at: daniele.noel@inserm.fr

Duties:

- Conduct research independently under the supervision of the Principal Investigator and collaboratively with local and international collaborators

Essential skills required:

- PhD or master degree in cell biology, molecular genetics or closely related discipline
- Strong expertise in MSCs and EVs
- Ability to work and think independently and within a team
- Excellent organizational skills and high levels of initiative

Desirable Requirements:

- Expertise in osteoarthritis and regenerative medicine

Salary range: €35,000 - €39,000 per annum

Danièle Noël

Tel : +33 4 67 33 04 73 – Fax: +33 4 67 33 01 13 – E-mail : daniele.noel@inserm.fr

<http://www.chu-montpellier.fr/fr/os-et-articulations/institute-for-regenerative-medicine-and-biotherapy/>