

Job offer: CDD 24 months
Level Research Engineer
Remuneration: gross around 2399 euro/month
Start date: 01/06/2021 at the latest

EVALSEM project " Auvergne Rhône Alpes-FEDER Region contract ".

"Towards the development of better tools for the evaluation and conservation of male gametes".

Experimental and applied research
Development of a platform for the analysis of sperm parameters and investigations aimed at improving male semen cryopreservation techniques.

Host laboratory: GReD institute - CNRS UMR 6293 - INSERM U1103 - UCA
For information on the team's activities see: <https://www.gred-clermont.fr>
MEPTI Team: Dir Prof J. Drevet. Tel: (33)4.73.40.74.13 - Email: joel.drevet@uca.fr

Institute Director: Dr. Krzysztof Jagla
Address: Faculty of Medicine, CRBC Building, 28, Place Henri Dunant, 63000 Clermont-Ferrand, Université Clermont Auvergne.

Missions :

The recruited person will have to take part in the development and ensure a part of the animation of the EVALSEM platform. He/she will also have to ensure part of the investigations planned for the project supported by FEDER funding until June 2023.

These investigations include :

- the optimization of the measurement of different structural and functional spermiatic parameters on samples of different species (rodents, livestock, humans, ...).
- the start-up of a micro-digit-cool sperm cryopreservation equipment from IMV, and a GERI (Merck) timelapse equipment.
- conduct optimization trials of cryopreservation or sperm culture media.
- Integrate into R&D programs already underway within the platform.

Methodologies envisaged (keywords): Cell biology, spermatology, cell culture, in vitro fertilization, photonic microscopy, epifluorescence microscopy, flow cytometry, ...

Specific skills required:

Experience in the manipulation of gametes " spermatology " and eventually in vitro fertilization

Notions of Animal Physiology

Experience in basic cell biology techniques.

General skills and competences required:

Autonomy / Sense of teamwork / Rigour

Compliance with laboratory procedures

Please e-mail your CV and application letter to: joel.drevet@uca.fr