

Location: Romainville, France

Permanent position – Immediate recruitment

Cyprio develops and markets 3D liver and pancreas micro-tissues thanks to a breakthrough technology based on the encapsulation of a precise number of cells within a liquid-core alginate capsule. Our R&D innovation projects cover a wide range of specialties: biotechnology, physico-chemistry, millifluidics, toxicology, pharmacokinetics, medical devices, regenerative and translational medicine, etc.

Cyprio is now looking for his/her future collaborator with a strong expertise in micro- and millifluidics to lead and coordinate scientific projects directly linked with our encapsulation technology from the design phase to completion.

This is an opportunity to use your skills in bioengineering and fluid mechanics at the forefront of a revolution in 3D cell modelling using a cutting-edge spheroid generation technology in a young, fast-growing and high-value company.

Profile

- Ph.D. in microfluidics or biophysics, with knowledge of fluid mechanics, extrusion processes and high versatility in technical skills
- A previous experience with soft matters, biopolymers and/or liquid-solid phase transition will be highly appreciated
- Knowledge of hepatic cells and/or 3D cell culture would be a plus
- Highly motivated and proactive collaborator, with a culture of excellence and teamwork, analytical thinking, proven creativity and sharp problem-solving skills
- As a company addressing international markets, French and English are mandatory

Expected skills

- Essential scientific knowledge: micro- and millifluidics, computer-aided design
- Appreciated knowledge: electronics/automatization, rheology, work in a sterile environment
- Rigour and organisation, creativity, versatility, working spirit in a young and innovative company at the interface of several disciplines, being at the origin of innovative ideas and the implementation of new processes within the company
- French and English-speaking skills for internal and external presentations on project results and advances
- French and English writing skills for scientific project drafting and grant applications

Main missions of the R&D engineer

- Organize and conduct scientific and technological projects in the laboratory, especially regarding the optimization and the automatization of our encapsulation system
- Design, develop and implement new methodologies as part of its research
- Identify and set-up suitable methods for the experimental realization of its scientific project
- Produce, analyse, validate and interpret the experimental data
- Critically analyse and check the consistency of experimental results with hypotheses
- Identify and diagnose malfunctions and/or anomalies and propose relevant solutions to save time and costs
- Ensure time monitoring of projects according to the predefined budget and schedule
- Evaluate and mobilize the resources needed for the execution of research projects
- Participate in the recruitment and supervision of interns
- Participate in productions
- Write activity reports in French and English

Salary: to be negotiated depending on profile

Application deadline: 15/08/2022

Elements to be provided for the application

You can send your CV, cover letter tracing your professional record and any recommendation letters to contact@cyprio.fr.