



PhD Position at the Innovation Unit of Cherry Biotech (France)

Marie Skłodowska-Curie actions (MSCA) - Innovative Training Networks (ITN)

Microfluidics, Cell Culture, Nanopores, Industrial Doctorate, Scientific Valorization, Organ-on-a-Chip

Contract/Duration: PhD Position – 3 years

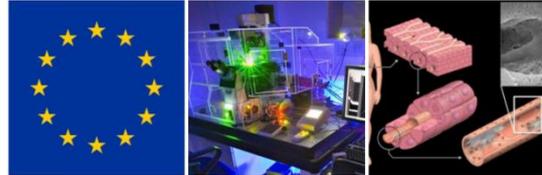
Employer: Cherry Biotech – innovation Unit

Location: Rennes or Paris, France

Start: September, 1st, 2018

Date of publication: 02/02/2018

Salary: approx. 35k€/year (before taxes)



The candidate must have been graduated with a M.Sc degree (and no more than 4 years fulltime research experience) at the hiring date (latest 1st of September, 2018) and must not have spent (lived or worked) more than 12 months in France during the past 3 years.

We are currently seeking a **PhD Candidate** to be enrolled in a prestigious **H2020 program context (MSCA-ITN-DELIVER)**. The candidate must have an M.Sc degree in **Engineering, Physics, Biomedicine or Biology** and shows a strong interest in multidisciplinary research. The candidate should be keen on learning new skills and expertise, be able to interact with other researchers with complementary scientific backgrounds in order to boost the project outcomes. She/he will be fully integrated in a **Start-up** environment thus also participating in business activities and learning how to drive the path to market of disruptive technologies.

The candidate will be directly interacting with the top management (CSO and CEO) of the company thus having the opportunity to understand in deep the entrepreneur mindset. Teaching to young scientists entrepreneurship skills is part of Cherry Biotech's strategy to valorize science in Europe, she/he will be enrolled in [the first Entrepreneurship school](#) for hardware/biotech valorization.

DELIVER Project ("Super-resolution optical microscopy of nanosized pore dynamics in endothelial cells").

PhD Project Title

Conception and development of microfluidic systems for super-resolution imaging of nanosized pores in an *in vitro* human organ models (**Organ on a Chip** model).

Aim of the PhD Project

Development of a **microfluidic device (Organ on a Chip)** *in vitro* model aimed to image and monitor, once integrated with the consortium partners' developments, the dynamics of cells' nanopores at **controlled perfused media and temperatures**. The whole system will be designed, conceived and tested in collaboration with the other Deliver partners to mimic the needed minimum liver functional part to evaluate these fenestration dynamics and roles in drug therapies.

On the other hand, the PhD project also aims to be a useful experience and a unique opportunity for the PhD candidate to **experience the complex and existing journey of bridging academic research and industrial innovation**. He will be welcomed in a dynamic start-up environment, learning about **scientific results valorization, industrialization and entrepreneurship**, while also interacting with all the different hierarchical levels.



Candidate Profile

The essentials: excellent English skills; a strong interest in understanding biological questions; capability to find technical solutions. She/he should be fascinated by the Organs-on-chip technologies. The candidate is willing to work in a fast and dynamic start-up culture; interested in learn the entrepreneurship mindset; be open-minded and able to work in multi-cultural and diverse environment. Candidate is keen to think out of the box and use creativity to solve problems.

Finally: She/he is ready to integrate in the specific culture of Cherry Biotech: Pareto, empathy, tolerance to ambiguity, customer care but also have fun.

Candidate Main Responsibilities

The candidate will be responsible of the follow up of the DELIVER scheduled activities (research and training, deliverables, articles and communications). Furthermore, the candidate will have to assimilate the Cherry Biotech's culture and mindset.

How to Apply

Send a CV and a motivation letter to our Innovation Unit: innovation@cherrybiotech.com mentioning "DELIVER PhD recruitment" in the subject. The deadline for application is February 24th, 2018.