

Industrial PhD position in Paris – microfluidic hardware development

ELVESYS
MICROFLUIDICS INNOVATION CENTER

You don't recognize yourself in the academic world?
You want to combine entrepreneurship and a PhD?
You feel ready to work on an interdisciplinary research project?

IMPORTANT: You must not have spent more than 12 months in France during the past 3 years.



3 years CDD
(PhD)



35-45 k€



Paris, France



Master (or equivalent), in
engineering



September 2021

Our vision: A major technological revolution is underway in the world of biotechnology, which is accelerating progress in medicine like never before. Microfluidics is one of the cornerstones of this revolution.

Our mission : To develop microfluidic instruments to enable researchers around the world to go beyond the state of the art in their scientific fields.

Our company : Elvesys is a young innovative company of 50 people created by 3 young PhDs in microfluidics. We are passionate, selective and demanding. In return, we offer you a dynamic and challenging work environment, and the possibility of career and personal development with no other limits than your own.

Deadline for application: 31. July 2021



The PhD:

A PhD at Elvesys has nothing to do with a typical PhD. You will be immersed in a start-up with a strong entrepreneurial and innovative spirit.

Your mission: to bring a new product to the market before the end of your PhD. Besides the science, you will learn how to identify a market, contact end-users, and translate their needs and requirements into a real product that can be sold by our brand Elveflow. This experience will allow you to learn the basics of entrepreneurship and market-driven research in parallel with obtaining your PhD.

The scientific project: This project is part of the LaslonDef Marie Curie consortium, a collaborative European project aiming to integrate quantum photonics with microfluidic devices toward the realization of quantum sensing, communication and computing technologies.

Your role will be in microfluidics engineering, focused on developing a novel microfluidic flow sensor with unprecedented accuracy for low flow rate and wide-range sensing applications. Your work will primarily include electrical & mechanical design and testing, as well as implementation of the flow sensor technology in various microfluidic applications. You will additionally be working in collaboration with consortium partners in the design, testing and integration of laser-written microfluidic devices. You will be enrolled in the doctoral school affiliated with the LaslonDef project.

Your profile to become the rockstar of the team :

- You have a **masters degree** (or equivalent) in **engineering** (electronics, mechatronics, robotics...)
- You are scientifically rigorous, creative and practical
- You can think "outside the box" to find simple solutions to complicated problems, you are not afraid to tackle complex problems
- You don't like routine, and you're able to quickly adapt to changes in direction
- You want a job that makes sense, want to see the outcome of your PhD in the real world and not only on a lab shelf
- **At Elvesys, we like:** Action; creative, autonomous and curious people, team players. Those who act more than they talk, people who challenge themselves and yet care about others. Those who question themselves, those who want an intense and contrasted life.



European
Commission

Candidates are invited to send their CV and a short letter of motivation to rh@elvesys.com, subject "LaslonDef hardware development"