Microfluidics Engineer – Minos Biosciences

Location : Quartier Latin, Paris, France

Minos Biosciences

Spin-off from ESPCI, Minos Biosciences is developing a unique and revolutionary solution for combined phenotypic and multi-omic single-cell analysis for fundamental, applied and clinical research and diagnostic. The Minos system combines state-of-the-art microfluidics, molecular biology, image analysis and bioinformatics.

Microfluidics Engineer

We are seeking a talented researcher/engineer specialized in microfluidics and in microfabrication to join our team. We are currently developing a hybrid microfluidic chip at the crossroads of molecular biology and chemistry to analyse single cells. To be successful in this role, individual must have a good knowledge of microfluidics, have a strong sense of innovation and work efficiently within a multidisciplinary team.

Essential Duties

- Engineer hybrid chips based on knowledge in microfluidics and microfabrication
- Design experiments to systematically test, troubleshoot and improve the system
- Communicate results and collaborate in a multidisciplinary team
- Design and develop new tools to implement the system

Qualifications

- MS/PhD in mechanical engineering, chemical engineering, biomedical engineering, or a related field, with an emphasis on microfluidics and microfabrication
- Experience with glass and polymer-based microfabrication and chemical micropatterning
- Experience with microscopy, fluorescence imaging, high-speed imaging, microfluidic single-cell analyses and particle manipulation
- Good capabilities to bridge the interface between micro- and macro-fluidic components (e.g., automated fluidic delivery systems, chip-instrument connections)
- Proficient verbal and written communication skills to collaborate effectively in a team environment and present and explain technical information
- Skills in programming, simulation and data analysis
- Organizational skills required to achieve demanding multitask objectives
- Flexibility, autonomy, attention to detail and creativity, the ability to work in a highly multidisciplinary team and good interpersonal skills are essential.

Starting date: April 2021
Duration: CDI
Package: competitive salary (according to professional experience) + stock options

Address your applications (CV + cover letter) by email to: M. Pierre LE BER
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