ESPCI PARIS

Microfluidics Engineer Minos Biosciences

https://wwwdev.espci.fr/fr/espci-paris-psl/emploi/2020/microfluidics-engineer-minos-biosciences

Location : Quartier Latin, Paris, France Minos Biosciences Spin-off from ESPCI, Minos Biosciences is developing a unique spatially-resolved, multi-modal, single-cell analysis system 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 pluridisciplinary 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, the ability to work in a highly multidisciplinary team and good interpersonal skills are essential. Starting date : April 2020 Duration : CDI Salary : according to professional experience

Address your applications (CV + cover letter) by email to : M. Didier PERINO ESPCI Paris - Minos Biosciences 10 Rue Vauquelin - 75005 Paris jobs@minosbiosciences.com

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