



RESEARCH ENGINEER (2 YEARS)

Microfluidics Research Engineer – Implementation of a vagina-on-a-chip system

Geographic location: Montpellier, France

Detailed assignment: IRD, MIVEGEC

Project Title: Combining a vagina-on-a-chip model and clinical investigation to evaluate the effect of chemicals from menstrual protections on the vaginal environment

Project acronym : V-CHIP

Project duration: 2 years (4 years possible)

Brief description of the project: This work is part of the V-CHIP project, which aims to combine experimental and bioinformatics analyses to study the impact of various factors, including menstrual protection, on the vaginal environment.

Intitulé du poste à pourvoir : Microfluidics Research Engineer – Implementation of a vagina-on-a-chip system

Main mission: Implementing the vagina-on-a-chip microfluidic system

Définition des tâches à accomplir : The implementation of the microfluidic system will be the core mission of the engineer. This will involve setting up the cellular system, then assessing its viability and stability. In a second phase, typical bacteria from the vaginal microbiota will be integrated into the system. The engineer will also be involved in research questions focusing on the impact of menstrual protection on the vaginal environment or on the dynamics of bacterial communities, particularly with regard to antibiotic strategies. In practice, the position also includes components of monitoring/bibliographic monitoring, presentation of results, mastery of English, writing of reports in English and protocols.

Qualifications / area of training required: Master or PhD in microbiology / cell biology, or any relevant field

Job constraint: The main constraint associated with this position is the precariousness associated with the non-permanent type contract. Some of the work will also be carried out while part of the team will be remote, which could result in less than ideal remote working conditions. Beyond that, classic risks associated with laboratory work, cell and bacterial culture are anticipated.

Useful information: Experience in microfluidic systems would be a major asset. Additional skills in cell biology, molecular biology, biochemistry and statistics would be welcome. A study engineer profile with good skills in cellular microfluidics may also be considered.

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To apply, you can contact me by email with a cover letter and CV.