



## **Job offer: CDD-engineer in lattice light sheet microscopy in class 3 confined laboratory, at CEMIPAI CNRS & University of Montpellier, MONTPELLIER**

Job description: as part of the launch of a new service facility dedicated to the development and imaging of 3D models (spheroids, organoids, etc.) for the study of infectious diseases, the CEMIPAI Center for the Study of Infectious Diseases in Montpellier is recruiting a research engineer on a one-year renewable fixed-term contract. The successful candidate will be responsible for setting up a 4D microscopy service in a class 3 confined laboratory, implementing a Lattice Light Sheet microscope and a latest-generation spinning disk to monitor infections of complex 3D models by class 2 and class 3 viruses or bacteria in real time.

We are seeking a highly motivated, open-minded, and curious individual with a strong interest for R&D in light microscopy and 3D biological models to join this project. A solid background in high content fluorescence microscopy, image analysis and cell biology would be a strong asset, as well as liking to work with scientists on different research projects.

Part of the work will have to be carried out in a class 3 confined laboratory (BSL3), using class 2 to 3 infectious material (viruses and bacteria).

For further information or to discuss this opportunity, please contact us at:

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### **Activity**

- Set up a new volumetric microscopy service in the BSL3 laboratory by installing and commissioning a new Lattice Light Sheet microscope dedicated to 4D imaging of 2D & 3D cell cultures, spheroids, organoids, and three-dimensional model organisms.
- Support and initiate projects in life microscopy using LLSM and Spinning-Disk volumetric microscopy
- Provide technical support, assist and train users on the microscope in relation to their biological questions.
- Implement new volumetric imaging methods, particularly the deployment of solutions dedicated to 3D cell cultures, organoids ... and their use in research in infectious diseases.
- Implement signal processing and image processing analysis methods to meet users' needs
- Develop and execute private and public service contracts
- Participate in professional networks
- Disseminate and promote the results of methodological developments through oral presentations, publications, etc.