

Grenoble, France
Mars 2021



Post-doc position in **microfluidics** in Grenoble (France)

LETI is opening a postdoctoral position to hire young researchers willing to contribute their expertise and enthusiasm to the service of an innovating project in the field of droplet-based microfluidics. The objective is to develop an opto-fluidic droplet sorter for high-throughput screening applications. This project involves a range of interdisciplinary technologies and advanced approaches in microfluidics, optics, and microtechnology. It is in collaboration with two divisions of LETI, one involved in healthcare applications, and another one in optics and photonics technologies.

About us : In the Grenoble MINATEC campus for innovation in micro and nanotechnologies the **LETI INSTITUTE** is an applied research center in microelectronics, technology information and health.

Leti-Health : Closely with hospital, universities and institutions of higher education, the Division of applied Technologies for Biology and Health (Leti HEALTH, <http://www-leti.cea.fr/en/Discover-Leti/Leti-s-research/Application-fields/Sante>) develops new technologies to improve medical diagnosis and treatment of patients. At the interface between academic research and industrial development, CEA Tech Leti Health division has large laboratory facilities, equipped with clean rooms, microfabrication units and chemistry/biology laboratories (L1, L2 safety levels) and also an international network of partners.

Leti - DOPT (Optics and Photonics applications), focuses its activities in the field of photonic devices such as lighting, display, optical sensors, datacom, visible and infrared imaging. DOPT's activities merge fundamental physical aspects with advanced technological developments, and interweave nano-sciences, optics, microelectronics, advanced nano-fabrication, integration and packaging, all while taking into account system requirements.

The postdoctoral fellow should have a **PhD in microfluidics**. Previous experience in the field of Electrowetting-based digital microfluidics or opto-microfluidics is desirable. An ability to fruitfully interact in an interdisciplinary team is strictly required.

Interested candidates should email their CV and application letter, including the contact information of two references (mandatory) to Dr. Yves Fouillet, LETI at: yves.fouillet@cea.fr