Grenoble, France
July 2018

Post-doc position in **microfluidics and bioengineering** for **a human « *Pancreas-on-a chip* »** project in Grenoble (France)

In tight collaboration with Grenoble Hospital, LETI and BIG institutes open 5 postdoctoral positions to hire young researchers willing to contribute their expertise and enthusiasm at the service of an ambitious « Pancreas-on-Chip » multidisciplinary project. This project applies a range of interdisciplinary technologies and advanced approaches in microfluidics, 3D bio-printing, stem cells, and nanomaterials, to engineer devices that can recapitulate functional units of human pancreas.

One postdoctoral position is in the field of microfluidics. The postdoctoral fellow should have a **PhD in microfluidics or engineering field**. Previous experience in the field of pancreas, organ on a chip, cell biology, and/or vascular networks is desirable. An ability to fruitfully interact in an interdisciplinary team is strictly required, as well as a good English language skills.

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. 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.

The BIOSCIENCES AND BIOTECHNOLOGY INSTITUTE OF GRENOBLE (BIG) develops multidisciplinary approaches with the aim of deciphering the molecular mechanisms behind major biological processes. Thanks to its environment and the state-of-the-art technological platforms available at the institute, BIG explores the dynamic architectures of "Life" at scales ranging from the atom to the whole organism. This multi-scale knowledge allows us, with our academic and industrial partners, to develop new Life-inspired devices. The technological breakthroughs made possible by this bio-inspired approach should lead to promising returns that will improve health and promote greater respect for our environment.

Interested candidates should email their CV and application letter, including the contact information of two references (mandatory) to:

- Dr. Yves Fouillet, LETI expert in microfluidics at: yves.fouillet@cea.fr
- Marie Line Cosnier, LETI project leader at: marie-line.cosnier@cea.fr