Microfluidics Engineer for Lab-on-Chip Applications

Mission

Within the department of Microtechnologies for Biology and Healthcare at CEA-Leti (Grenoble, France) we are looking for a motivated individual who wants to work at the interface between microfluidic systems and their biological applications. The candidate will participate in the development of lab-on-chip devices for various biological applications and will be in charge of designing, implementing and testing new or improved functions and processes in the existing system.

The position of microfluidics engineer is very multidisciplinary with interactions and tasks extending into the field of biology, into the field of instrumentation, and into the field of materials and microfabrication. The work will therefore be performed in close relation with other experts involved in the project, such as biologists, chemists, physicists and microfabrication experts. Under the supervision of a permanent staff member, the candidate will be able to plan experiments, analyze and communicate results, develop his own ideas and effectively collaborate with the team.

Candidate profile

The ideal candidate has a Master or PhD in physics (or other relevant field) and has a solid background in the development of lab-on-chip systems. Familiarity with biological assays (DNA/RNA, proteins, cells, and their various sample preparation methods) will be strongly appreciated, as well as relevant experience in microfabrication and instrumentation. The ideal candidate further has a hands-on, pragmatic, problem-solving approach, has good communication skills in English and/or French, and collaborates effectively in a multidisciplinary team.

About CEA-Leti

CEA-Leti, located in Grenoble (France), is a major European research institute in microelectronics and microsystems, creating value and innovation through technology transfer to its industrial partners. It specializes in micro- and nanotechnologies and their applications: from microelectronics and wireless devices, to biology, healthcare and photonics. CEA-Leti operates 8000m² of state-of-the-art clean room space, employs 1800 researchers and hosts more than 240 PhD students from over 35 nationalities. CEA-Leti's portfolio of 2,800 patents helps to strengthen the competitiveness of its industrial partners. For more information, visit www.leti.fr

Further details

The position offers a 1 year contract with possible extension. To apply, please send your CV and cover letter to remco.dendulk@cea.fr and include your name and the job title of this position in the subject line.