

 <p data-bbox="406 235 646 392"> <b>INSTITUT PIERRE-GILLES DE GENNES</b>          Pour la microfluidique       </p>	<p data-bbox="670 246 1157 392"> <b>Open position: Engineer/project manager in Textile Microfluidics</b> </p>
--	---

- *Type of contract : CNRS Research Engineer, 12 months with possible extension*
- *Location : Institut Pierre Gilles de Gennes pour la Microfluidique*

**The team :**

The MMBM team (Macromolecules and Microsystems in Biology and Medicine) is an interdisciplinary group of about 20 persons, developing new concepts and applications of microfluidics in biology and medicine. It is located in Institut Pierre Gilles de Gennes pour la Microfluidique (IPGG), Paris 5<sup>th</sup>; IPGG is an Institute with above 150 researchers in Microfluidics, equipped with a unique technological platform entirely dedicated to this domain. The team also belongs to CNRS and Institut Curie (UMR168), a highly renowned Institute for Research and Treatment in Cancer. Its affiliation to PSL Research University (36<sup>th</sup> and first French University in Shanghai ranking), and its location within the “Montagne Ste Geneviève” campus, provide an outstanding environment for science and research. IPGG is also an outstanding player in Technology Transfer and Startups creation.

**Project:**

The team is developing, within a recently funded ERC-Proof of Concept (ERC-POC) project COMMiT, a new concept in microsystems, “Free-Flow Textile Microfluidics”. This technology, patented by the lab, combines “soft matter” and textile technologies to develop and produce a new generation of high-resolution complex microfluidic devices at very low cost and high throughput. The project COMMiT will pave the route to industrialization and application in the real world, by combining experimental proof of concept, maturation of the technology, exploration of potential applications in biomedicine, engineering and consumer products, and preliminary marketing and business plan elaboration. It will be developed in close cooperation with ENSAIT in Roubaix, an engineering school and research institute dedicated to textile technologies.

**Mission**

The mission of the recruited person will combine engineering and project management.

As an engineer, he/she will support the scientists in the team in the maturation and validation of instrumental prototypes for cancer screening. He/she will also develop proofs-of-concept prototypes for new emerging applications, in link with the exploratory aspects of the project.

As a Project Manager, the recruited person will have in charge the operational daily management of the project’s logistic, contribute to the supervision of one Assistant Engineer and one or two Master students, ensure coordination with collaborators, and prepare project’s reports. He/she will also be involved in the preparation of valorization of the project.

**Candidate's profile :**

*Training : PhD or Engineer diploma in microfluidics, mechanical engineering, instrumentation, textile technologies or microsystems.*

Competences: Due to the important engineering and technological aspect of the project, a solid background in one of the above scientific fields is mandatory. An experience in microfabrication and clean room technology, or in automation/robotics, embarked systems, would also be a plus.

He/she should also have outstanding organizational skills, the ability to work autonomously, to coordinate activities and supplies procurement, and ease at collaboration in a multi-partners context. Good communication in English, both oral and written, is mandatory.

Finally, the candidate should have a strong interest towards societal applications, valorization, and business development. An addition experience and/or training in management on top of the above scientific competences is not mandatory, but will be considered very positively towards recruitment.

**Starting date:** Immediately available

**Duration:** 12 Months, with possible extension depending on outcome. In case of positive enough results, participation to the creation of a startup, or transfer to industry could be a natural outcome of the project.

Please address CV, letter of motivation, and references to :

[jean-louis.viovy@curie.fr](mailto:jean-louis.viovy@curie.fr)

Reference websites:

<https://www.institut-pgg.fr/>

<https://science.curie.fr/recherche/physique-chimie-biologie-multi-echelle-et-cancer/physico-chimie/equipe-descroix/membres-de-lequipe/>