

Postdoctoral researcher's position in Microfluidic-3D tumor engineering

The position

In the framework of a LabEx NanoSaclay project, the [Institut Galien Paris Sud \(Team Nanomedicine for treatment of severe diseases\)](#) and the [C2N](#) (Microsystems and nanobiofluidics department) are inviting applications for a postdoctoral position in Microfluidic/3D tumor engineering and Nanomedicine screening.

We are looking for a motivated full-time post doc who will work on the construction of a biomimetic microfluidic device to predict *in vitro* how nanomedicine physico-chemical properties would affect their capacity to cross biological barriers *in vivo*.

Project aims

- Design and fabrication of a microfluidic device
- Construction of a 3D tumor model
- Optimization and validation of cell culture in the microfluidic device

Your Profile

The candidate must hold a PhD (Obtained from less than 2 years at the moment of the recruitment) or obtain a PhD in the near future.

To carry out this interdisciplinary project the candidate should possess solid skills in microengineering and microfluidics (*e.g.*, photolithography and microfluidic fabrication processes, flow control in biochip, etc...) and validated experience in cell culture and biological assays as demonstrated by the publication record, including at least one first authorship.

Experience with formulation and characterization of drug delivery systems is also advantageous.

The candidate must be proficient in oral and written English.

We are looking for candidates interested to work in a multidisciplinary research environment, who have excellent communication skills, are team-oriented, focused, self-motivated, trustworthy, critical and open-minded.

Application

We exclusively accept applications submitted through our online application portal <https://bit.ly/3hA79UD> . Applications via email or postal services will not be considered.

The application must be in English and include a curriculum vitae with names and contact information of 3 referees, a complete list of publications and a statement of research interest. The application documents must be sent as a single PDF file. Incomplete applications will not be considered for evaluation

Applications will be reviewed as they are received and will continue until the position is filled.

Employer : CNRS

Start date: flexible (from October 2020 to January 2021)

Duration : 12 months

Location: Institut Galien Paris-Saclay, UMR CNRS 8612, 5 rue JB Clement, 92290, Chatenay Malabry, France <http://www.umn-cnrs8612.universite-paris-saclay.fr/index.php> & C2N,10 Boulevard Thomas Gobert 91120 Palaiseau <https://www.c2n.universite-paris-saclay.fr/en/>

For enquires about the position, please email both [Dr Simona Mura simona.mura@universite-paris-saclay.fr](mailto:simona.mura@universite-paris-saclay.fr) and Dr [Anne-Marie Haghiri anne-marie.haghiri@c2n.upsaclay.fr](mailto:anne-marie.haghiri@c2n.upsaclay.fr) with the subject "LabexRecherche_postdoc"