

**Postdoctoral Position at Institut Galien Paris-Saclay, CNRS, Univ Paris-Saclay & Center for Research on Cancer of Marseille, Univ Marseille**

***Nanoassemblies for the subcutaneous self-administration of anticancer drugs***  
**ERC CoG THERMONANO**

**Location:**

¼ Institut Galien, Faculty of Pharmacy, Univ Paris-Saclay, France

¾ Center for Research on Cancer of Marseille, Univ Marseille, France

**Starting date:** From February 2022

**Duration:** 24 months

**Funding:** European Research Council (ERC)



To counter the predicted drastic rise of new cancer cases over the next decades and to lower the dramatic financial burden of cancer treatments on patients and healthcare systems, innovative chemotherapies with high efficacy and reduced cost represent an urgent and unmet clinical need. Despite great enthusiasm for drug-loaded anticancer nanocarriers (e.g., liposomes, nanoparticles, micelles), their bench-to-bedside translation is not straightforward. Recent disappointments during clinical trials have fuelled concerns as to whether drug-loaded nanocarriers work any better than the free drugs. Thus, significant rethinking of drug delivery from nanocarriers seems inescapable. In the frame of THERMONANO, the goal is to develop a new drug delivery strategy that will be simple, efficient, comfortable for the patient and significantly less costly.

The postdoctoral position is for 2 years and the general research topic will be focused on the **biological evaluation (in vitro and especially in vivo experiments) of new polymer-based nanocarriers** for the administration of anticancer drugs. The ideal candidate must hold a **PhD degree on pharmacology/animal experimentation** with a solid publication record as first author in international leading journals. She/he should have high level of motivation, creativity and independent thinking, and should have strong hands-on experience with animal experimentation (PK, biodistribution, anticancer efficacy, etc.). Although it is not a strict requirement, she/he would preferably have some interest in nanotechnology/nanomedicine. An excellent level of English (written/oral) is essential.

Interested applicants should contact Dr Julien Nicolas via email ([julien.nicolas@u-psud.fr](mailto:julien.nicolas@u-psud.fr)) and provide a detailed curriculum vitae mentioning education/experience, practical and theoretical skills and a complete publication list, a motivation letter, as well as the contact details of at least one academic referee – preferably two to three.

More details can be found here: <https://euraxess.ec.europa.eu/jobs/722347>

**Dr. Julien NICOLAS**

*"Nanomedicines for the treatment of severe diseases"*

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