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|  | Equipe de Chimie des Substances Naturelles | C:\Users\Delphine Joseph\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\66D05BFB.tmp |
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**Postdoctoral Researcher in Medicinal Chemistry & Organic Synthesis**

**(renewable 12-month spells)**

**INTRODUCTION**

As part of an ongoing ANR research program between the team of “Chimie des substances naturelles” at BioCIS, Université Paris-Sud/ Université Paris-Saclay (Prof. Delphine Joseph), and the teams of “Récepteurs- Canaux” and “Bioinformatique structurale” at the Institut Pasteur (Paris) (respectively, Dr. P.-J. Corringer and Dr. A. Blondel), we announce the availability of a full-time postdoctoral position in organic synthesis and medicinal chemistry. The project aims to discover de novo allosteric modulators specifically targeting the α4β2α5-nicotinic receptor (nAChR) subtype through a fragment-based drug discovery approach.

**JOB DESCRIPTION**

Starting from already identified fragments interacting with the orphan α5-subunit, the recruited person will develop new divergent synthetic pathways and selective methods of their recombination. More particularly, he/she will have in charge to implement a synthetic approach expandable to ligand optimization by exploiting the target-guided click chemistry on a protein surrogate of the α5/α4 binding site. In this project, the recruited candidate will interact with computational chemists, pharmacologists and biophysicists to rationally design and optimize new potent allosteric modulators of α5-nAChR subtype.

**YOUR PROFILE**

The ideal candidate for this position will have a PhD in organic chemistry with a background in transition metal-catalyzed reactions, click chemistry and/or multistep total synthesis, including purification techniques and structural characterization of organic molecules with elements of stereochemistry. A good knowledge in fragment-based drug design would be appreciated. The ability to work in a multidisciplinary team as well as good communication skills and a good proficiency in English is essential. We are looking for a dedicated, experienced and highly motivated candidate.

**ADDITIONAL INFOrmations**

**Starting date:** November-december 2019

**Duration**: 12 months (renewable)

**Location**: “Chimie des Substances Naturelles” group, UMR CNRS 8076 BioCIS, Faculté de Pharmacie, Université Paris-Sud, Université Paris-Saclay, 5 rue J.-B. Clément, 92290 Châtenay-Malabry, France.

**Website**: [Equipe de chimie des substances naturelles](https://www.biocis.u-psud.fr/?-Pharmacognosie-Chimie-des-)

**For application**: Applications should be sent by e-mail to Prof. Delphine Joseph ([delphine.joseph@u-psud.fr](delphine.joseph%40u-psud.fr)) and should include:

* a detailed CV,
* a short graphical research summary (1-3 pages),
* a motivation letter,
* and contact details for at least two referees (recommendation letters must be directly sent from the referees to the contact person).