



Available position in Medicinal Chemistry

Our research group, located at the school of Pharmacy and at the Institut Pasteur de Lille, [UMR U1177 "Molecules and Drugs for living systems"](#) (Lille, France), is currently looking for a postdoctoral research fellow to work on the [ANR project called "SMART-TB"](#).

www.deprezlab.fr

Project description:

This project of medicinal chemistry aims at developing of a new generation of anti-infective agents that reverse resistance to antibiotics, especially antitubercular molecules and at finding molecules with suitable physicochemical, pharmacodynamics and pharmacokinetic properties to perform an *in vivo* proof of concept. The postdoctoral fellow will be in charge of the synthesis of analogues in the hit series and will interact with biologists to delineate structure-activity and structure-property relationships.

References: *Science*, **2017**, 355 (6330), p1206-1211; *Journal of Medicinal Chemistry*, **2014**, 57(11), pp 4876-88; *Journal of Medicinal Chemistry*, **2012**, 55, 68-83; *Journal of Medicinal Chemistry*, **2012**, 55, 6391-6402; *Journal of Medicinal Chemistry*, **2011**, 54, 2994-3010; *ACS Chemical Biology*, **2010**, 5, 1007-1013; *Nature Medicine*, **2009**, 15, 537 – 544.

Profile:

The candidate should be a skilled organic synthetic chemist. He (she) should have received his PhD diploma in organic or medicinal chemistry. He (she) must be self-motivated, hard-working, independent thinker and have good communication skills and a good team spirit.

Starting date: November 2018

Duration: 30 months

Location: School of Pharmacy, University of Lille, Laboratory Inserm U1177, 3 rue du Professeur Laguesse, 59000 Lille.

Applying:

Applications should be sent by e-mail to Pr. Nicolas Willand : nicolas.willand@univ-lille.fr, including: a CV, a letter of motivation, a short research summary with the list of publications and at least 2 recommendation letters.