



## 12-month PostDoc position starting Nov-Dec 2023

« **Drugs and molecules for Living Systems** »  
INSERM U1177 -Institut Pasteur de Lille –Université de Lille  
[www.deprezlab.fr](http://www.deprezlab.fr)

The research team Drugs and Molecules for Living Systems, (INSERM, Institut Pasteur de Lille and University of Lille), specialized in drug discovery, medicinal chemistry, screening and pharmacokinetics ([www.deprezlab.fr](http://www.deprezlab.fr)) is offering a **12-month (renewable) postdoc position** in the group of Pr Rebecca Deprez-Poulain.

The candidate will be recruited by **The Institut Pasteur de Lille**, thanks to a **Resistomics (CPER)** grant, in our laboratory that gathers chemists and biologists to design new drugs in an inspiring and stimulating environment.

**The aim is to design, synthesize and perform multiparametric optimization of bioactive compounds acting on metallo-aminopeptidases ERAP1 and ERAP2 implicated in auto-immune diseases.**

### Missions:

- Design & synthesis of bioactive compounds
- Multiparametric optimization & Interpretation of biological and ADME results (SAR)
- Writing of ELN, of protocols, Reagents ordering
- Preparation/ writing of publications, posters, oral communication
- Participation to shared lab tasks
- Mentoring and supervising students

### Qualifications requirements:

- Experience with multi step synthesis
- Experience with multiparametric optimization
- Good knowledge of medicinal chemistry
- Experience in using modern analytic instrumentation, including running and interpretation of NMR-spectra (1D and 2D) and also Mass-spectrometry
- Experience in specialized softwares and databases, ELNs, Biovia Draw or Chem Draw, Reaxys or SCiFinder, Pubmed, MOE and/or Pymol would be a plus.
- Excellent knowledge of Excel, Word, Powerpoint
- Publication writing skills
- Good command of both oral and written English

In order to achieve success in the research, the candidate should demonstrate rigor, creativity, initiative, and excellent team work.

### Required degree and experience:

- a PhD in organic chemistry or medicinal chemistry
- a postdoc experience in organic or medicinal chemistry would be a plus
- an experience in industry and/or an experience abroad would be a plus

**Deadline for application 20th Nov 2023**

Contact [rebecca.deprez@univ-lille.fr](mailto:rebecca.deprez@univ-lille.fr)