

Post-doctoral position in Computational biology – Artificial intelligence

Design of Ligands for Olfactory Receptors

At the at **Computational Biology and Bioinformatics Lab**, Brussels School of Engineering, Université libre de Bruxelles (ULB)

Job description

We are looking for a highly motivated post-doctoral researcher to develop artificial intelligence (AI) methods (1) to design *de novo* ligands that target a given olfactory receptor and (2) to predict the olfactory receptors targeted by a given molecule. This project is conducted in collaboration with the group of I. Langer (IRIBHM-GPCR Group-ULB), a wetlab group that will characterize the *de novo* designed molecules by experimental methods.

What we offer

A one-year full-time postdoctoral position at the Computational Biology and Bioinformatics Lab from the Université libre de Bruxelles, Brussels, Belgium. The lab is located on the Solbosch campus, the main campus of the University.

Starting date: as soon as possible.

Profile

PhD degree in bioinformatics, mathematics, computer science, physics, engineering, bioengineering or related fields.

The applicant must have a strong background in artificial intelligence techniques and in artificial neural networks. Mastery of programming languages (python, C++, ...) and of an AI platform. Knowledge of protein structures and/or GPCRs and/or biological systems is recommended.

You must have a good communication skills and collaborative spirits.

Specific Requirements

Candidates can be EU or Non-EU citizens. Candidates must have spent one year outside Belgium in the past three years.

Interested ?

Please send to dimitri.gilis@ulb.be:

- your CV (with publication list)
- a motivation letter
- a brief overview of relevant experience
- the contact details of two referees.

If judged suitable, applicants will be selected for an online interview.

Deadline for submission : position open until filled