CIFRE Associate Scientist H/F

TYPE DE CONTRAT: Full time

REFÉRENCE DE L'EMPLOI: R2602744

LOCATION: Chilly-Mazarin, France

To apply: `https://fr.jobs.sanofi.com/emploi/chilly-mazarin/cifre-associate-scientist-h-f/20874/19481825?utm_source=linkedin.com&utm_medium=social_post&utm_campaign=Sanofi_Global_(French)_social`

Le contenu du poste est libellé en anglais car il nécessite de nombreuses interactions avec nos filiales à l'international, l'anglais étant la langue de travail.

We are seeking a candidate for a PhD position funded by a French CIFRE fellowship. The candidate will share their time between Sanofi (under the supervision of Dr Franck Augé/France & Dr Milad Rafiee Vahid/US) and the university of Paris-Saclay (under the supervision of Pr Blaise Hanczar and Dr Farida Zehraoui in the lab of computer science, bioinformatics and complex systems IBISC) and they will be enrolled in the Doctoral School STIC at Université Paris-Saclay (Univ. Evry).

The project is about the application of deep learning for phenotype prediction from multi-omics data. It focuses on i) identifying the suitable architectures for each omics source; ii) Integrating multi-omics data using neural network based embeddings; iii) interpreting the constructed model for biomarkers identification or patient stratification. The project will be developed on both public datasets (pan-cancer) and the MMRF/CoMMpass data set (multiple myeloma).

We are seeking a candidate with master degree ("diplôme de master", "école d'ingénieurs") or equivalent in Computer science or applied mathematics, and:

- Strong background in machine learning;

- Good knowledge in machine/deep learning framework (scikit-learn, Tensorflow, Pytorch);

- Experience in bioinformatics (omics data analysis) is a plus;

- High motivation to work in both academic and industry environments.

#li-fr

At Sanofi diversity and inclusion is foundational to how we operate and embedded in our Core Values. We recognize to truly tap into the richness diversity brings we must lead with inclusion and have a workplace where those differences can thrive and be leveraged to empower the lives of our colleagues, patients and customers. We respect and celebrate the diversity of our people, their backgrounds and experiences and provide equal opportunity for all.

As part of its diversity commitment, Sanofi is welcoming and integrating people with disabilities.