



**Offer #2024-07774**

## **Internship in Deep Learning – Analysis of Biological Data**

**Contract type :** Internship agreement

**Level of qualifications required :** Master's or equivalent

**Other valued qualifications :** Certificate(s) in deep learning or in data analysis

**Fonction :** Internship Engineering

**Level of experience :** Up to 3 years

### **Context**

About LabSae

LabSae is a start-up backed by INRIA offering a unified computational platform for analyzing protein-protein interaction networks using computational biology and artificial intelligence. Proteins orchestrate a wide range of biological processes in living organisms, making them prime targets for many pharmaceutical interventions. LabSae provides a reliable and accurate large-scale computational analysis of protein-protein interactions that significantly improves our knowledge of proteins and therefore facilitates preclinical in-silico drug design.

### **Assignment**

We look forward to welcoming talented individuals who are passionate about leveraging new advances in deep learning and computational biology to develop algorithms for analyzing protein structures and sequences.

### **Main activities**

Develop/utilize deep learning models for applications in computational biology, with a focus on addressing challenges related to proteins and their interactions.

Utilize data science techniques to analyze and interpret protein structures and sequences.

Collaborate with an innovative and interdisciplinary team in a dynamic environment.

Contribute to innovation through proactive problem-solving and research.

### **Skills**

The ideal profile for us

- Experience in deep learning and its packages such as TensorFlow, PyTorch, or Keras, along with good knowledge of data science methodologies.
- Expertise in programming languages, particularly Python.
- Experience working in collaborative development.
- Good knowledge of computational biology.
- Good level of English.

Soft skills

- Autonomy
- Effective communication skills
- Teamwork abilities and collaborative mindset

### **Benefits package**

- Subsidized meals
- Partial reimbursement of public transport costs

- Leave: 7 weeks of annual leave + 10 extra days off due to RTT (statutory reduction in working hours) + possibility of exceptional leave (sick children, moving home, etc.)
- Possibility of teleworking (after 6 months of employment) and flexible organization of working hours
- Professional equipment available (videoconferencing, loan of computer equipment, etc.)
- Social, cultural and sports events and activities
- Access to vocational training
- Social security coverage

## General Information

- **Town/city** : Paris
- **Inria Center** : [Centre Inria de Paris](#)
- **Starting date** : 2024-09-01
- **Duration of contract** : 6 months
- **Deadline to apply** : 2024-08-30

## Contacts

- **Inria Team** : INCUB-PRO
- **Recruiter** :  
Mohseni Behbahani Yasser / [yasser.mohseni-behbahani@inria.fr](mailto:yasser.mohseni-behbahani@inria.fr)

## About Inria

Inria is the French national research institute dedicated to digital science and technology. It employs 2,600 people. Its 200 agile project teams, generally run jointly with academic partners, include more than 3,500 scientists and engineers working to meet the challenges of digital technology, often at the interface with other disciplines. The Institute also employs numerous talents in over forty different professions. 900 research support staff contribute to the preparation and development of scientific and entrepreneurial projects that have a worldwide impact.

**Warning** : you must enter your e-mail address in order to save your application to Inria. Applications must be submitted online on the Inria website. Processing of applications sent from other channels is not guaranteed.

## Instruction to apply

### Defence Security :

This position is likely to be situated in a restricted area (ZRR), as defined in Decree No. 2011-1425 relating to the protection of national scientific and technical potential (PPST). Authorisation to enter an area is granted by the director of the unit, following a favourable Ministerial decision, as defined in the decree of 3 July 2012 relating to the PPST. An unfavourable Ministerial decision in respect of a position situated in a ZRR would result in the cancellation of the appointment.

### Recruitment Policy :

As part of its diversity policy, all Inria positions are accessible to people with disabilities.