Full-Time Research Scientist in Image & Data Mining at Ksilink

About Ksilink

Located in Strasbourg, France, **Ksilink is a public-private research organization** created in 2014 whose members include Sanofi, Inserm, the University of Strasbourg, the Mannheim Medical Faculty of the University of Heidelberg and the German Cancer Research Centre (DKFZ), the patient organization AFM-Téléthon, and others.

Ksilink utilizes a unique combination of patient-derived cellular disease modelling with cutting edge imaging-based discovery technologies. Ksilink develops phenotypic high content screening and smart data analysis solutions (multiparametric approaches, machine learning and AI). Our goal is to contribute to innovative "first-in-class" treatments for neurological and muscular diseases.

Job Description

Ksilink is seeking an **experienced computer scientist to support applied biomedical research and therapy development for evaluations of candidate biological pharmaceuticals**.

The position will require extensive experience in developing solutions for quantitative image and big data analysis. A good knowledge in artificial neural network and deep learning approaches would be a plus.

Duties and Responsibilities

- Develop deep learning approaches for high content screening assays
- Collaborate with biologists and imaging scientists on ongoing projects and develop relevant image analysis, statistics and visualization solutions
- Implement optimized algorithms to perform image processing and data analysis
- Present data in team meetings and participate in generation of technical reports in support of regulatory documents.

www.ksilink.com

Qualifications

Each applicant must possess a PhD in computer science or a related field.

Required:

- Extensive experience with Deep Learning framework such as TensorFlow, Keras …
- Relevant work experience, preferably in a setting involving direct interaction with a diverse interdisciplinary team of researchers/scientists.
- This position will require a high level of comfort with complex multitasking; strong self-motivation; the ability to work independently with minimal assistance; excellent communication skills, including written communication; excellent interpersonal skills; and a highly collaborative approach.
- Fluent in English (oral and written)

Preferred:

- C++, Python
- Background in applying quantitative image analysis using multiparametric algorithms in biology, biomedical or clinical research or experience in a pharmaceutical industry environment is a plus
- Experience with Python scientific libraries

The ideal candidates should be team players and should have the ability to work in an interactive, fast-paced environment. They must be self-motivated to quickly learn, utilize new technologies. They must have excellent communication skills (verbal, written and presentation) both in one-on-one and in group settings. The ideal candidates should also be detail-oriented and proficient at time management.

What to expect from Ksilink?

- Opportunities to expand and develop your career in a vigorous and exciting professional environment promoted by an open culture;
- Outstanding and motivated team of international scientists with expertise in cellular disease modeling, assay miniaturization and automation, phenotypic HCS/HTS and cutting-edge image and data analysis approaches including computer vision and machine learning technologies;
- Established European network of renowned academic and industrial partners in our fields of activity;
- Industrial surrounding;
- Publication of results in relevant journals possible;
- Located in Strasbourg in France, at the boarder to Germany, next to city center. Strasbourg has been voted most attractive French city in 2019.

Interested candidates should send a cover letter, a curriculum vitae with bibliography, and the contact information of three references to contact@ksilink.com.