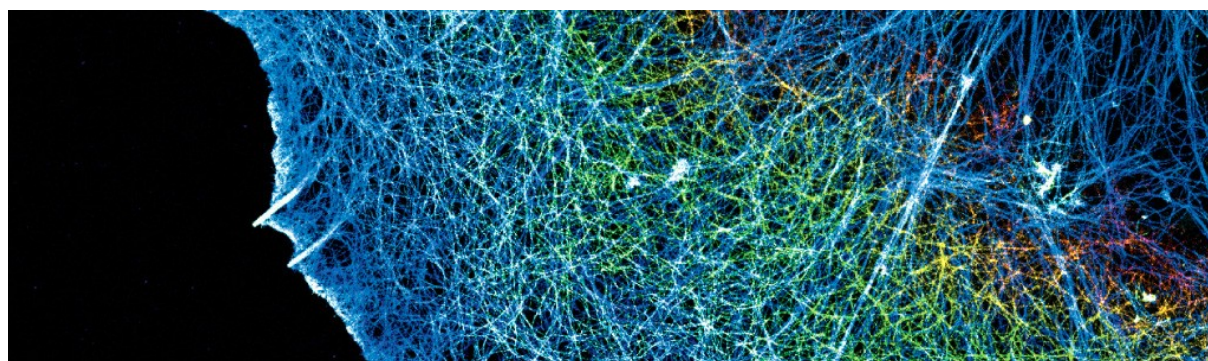# France-Biomaging is looking for a bioimage analyst

*Join our efforts to create an open data ecosystem for biological imaging!*

One year renewable contract – 2100 - 2358 euros/months gross salary, depending on experience, long term perspectives

Goals

- Build open data collections of microscopy images for deep learning challenges.
- Favor data reuse in the bio-image community.
- Connect biologists and image analysis experts.

Main activities

- Identify, define, expose key challenges in bioimage analysis.
- Recruit and encourage researchers to share their images using FAIR principles
- Organize R&D competitions (see kaggle data science bowl 2018 for an example) that use the created data collections and mobilize the international community: communicate (newsletter, website, Twitter, etc.), define the rules of the competitions, develop IT tools, organize the event, identify and evaluate the results.
- Monitor similar initiatives in the national and international community, particularly in Europe.
- Exchange with the international open microscopy community.
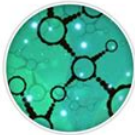
Skills

- Experience in data and metadata management, data stewardship, data engineering.
- Excellent communication skills.
- Experience in frontend development is a plus.
- Programming languages : knowledge of Python, javascript is a plus.
- Experience with biological data is a plus.

Training

Master degree in data science and engineering, computer science, applied mathematics, physics, bioinformatics. Additional training in biology is preferable but not obligatory.

Context

France-BioImaging is a distributed research infrastructure that works at the crossroads of molecular and cellular biology, microscopy, engineering and computer science. This unique infrastructure brings together major imaging facilities and research teams performing R&D in bioimaging across France.

The DATA project brings together 7 engineers to bring about transformative changes in data management and analysis within the bioimage community.
Key outputs expected from this project include the deployment of cloud-based image repositories obtained with high throughput imaging techniques and the development of efficient deep learning workflows feeding from these data.

The engineer will be hosted at the Insitut Pasteur in Paris and will benefit from the direct supervision of leading experts Drs. C. Zimmer (Institut Pasteur) and T. Walter (École des Mines).

Please send a CV and motivation letter to edouard.bertrand@france-bioimaging.org