

Bio image analyst (F/M)

Hosting structure

Institut Curie Research Center

Institut Curie is a major player in cancer research and treatment. It comprises a hospital and a research center with over 1000 staff members and strong international representation.

The mission of the Institut Curie Research Center is to develop basic research and to use the knowledge produced to improve the diagnosis, prognosis, and therapeutics of cancers as part of the continuum between basic research and innovation serving the patient.

Job description

The Genetics and Developmental Biology Unit (BDD) (<https://institut-curie.org/unit/umr3215-u934>) at Institut Curie is a multidisciplinary department that, among other topics, studies tissue dynamics from the cellular to the organ scale during development. Research teams use fluorescence optical microscopy to visualize biological processes in real time in various organoids and animal models (Drosophila, zebrafish, and mouse). We are looking for an enthusiastic, curious, and service-oriented Image Analysis Engineer (Bioimage Analyst).

You will work within the Cell and Tissue Imaging Platform (Pict) located in the BDD unit and collaborate with scientists from the unit and partner teams. Projects will span a wide range of activities, from implementing image analysis workflows to developing custom scripts, macros, or plugins, as well as in-depth collaborations involving full end-to-end analysis of research projects. You will join an imaging team of four people and report to the platform manager.

Main responsibilities

- Act as the primary contact for research teams regarding image analysis needs and support them in defining appropriate strategies
- Design, develop, and deploy custom analysis tools for projects requiring specific developments
- Independently manage image analysis projects, from needs assessment to validation, documentation, and transfer of developed solutions
- Collaborate with scientists to identify, extract, and interpret relevant biological parameters from multidimensional imaging data
- Contribute to the writing and preparation of scientific publications with research teams
- Develop image analysis solutions with broader applicability beyond individual user projects
- Promote sharing, dissemination, and mutualization of tools and analysis workflows within Institut Curie
- Design and deliver training in image analysis for PhD students, postdocs, and other trainees
- Keeping up with technological developments and contribute to local, national and international networks in the field

Candidate profile

Training and experience required

Candidates must hold an engineering degree, Master's degree, or PhD in (bio)informatics, (bio)physics, applied mathematics, or a related field, with at least 3 years of professional experience in bioimage analysis in a research or research support environment.

Skills required

- Experience in image processing, data visualization, and software development (e.g.: Fiji/ImageJ, Napari, Imaris, Ilastik,)
- Good knowledge of segmentation algorithms, object tracking, and pattern recognition.
- Programming skills (e.g.: Python, MATLAB, Java, C/C++, Bash)
- Ability to use and optimize deep learning approaches
- Strong interest in collaborative work and supporting diverse scientific projects
- Ability to work in a team while managing multiple projects with a high level of technical autonomy
- Strong scientific communication skills in English, both written and oral
- Experience in biology and/or imaging is a plus

All our positions are open to people with disabilities.

Contract information

Type of contract : Permanent position (CDI)

Starting date : September 2026

Working time : Full-time

Salary: According to the current grids

Benefits : On site-canteen, reimbursement of transportation fees up to 70%, supplementary health insurance

Location : Paris 75005

Contact

To apply, please send your CV, cover letter, and contact details of two referees who have supervised your work:

job-ref-hkn62ldaw4@emploi.beetween.com

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Deadline for application: once filled

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