



**FRANCE-BIOIMAGING**

## OFFRE EMPLOI

### **WEB-BASED SOFTWARE DEVELOPMENT ENGINEER**

#### **Mission**

The national coordination of France-BioImaging, a national research infrastructure for biological imaging, is recruiting an engineer to develop and deploy web-applications.

The engineer will be responsible for deploying the tools for public sharing of microscopic image data, based on the open source software OpenImadis for image data management. He/she will support collaborative actions from France-BioImaging thematic working groups (e.g. in super resolution), and develop the relevant automatic annotation tools for images, particularly those related to metrology. In addition, he/she will carry out the extension of the software and define the material resources in consultation with the project manager and the coordination of France BioImaging for the purpose of hosting and giving access to image data that led to publications in scientific journals.

#### **Activities**

- Analyze the needs and write the functional specifications of the project developments
- Define the data to be publicly hosted and their organization with the authors of publications related to France BioImaging;
- Implement a direct access and permalink into OpenImadis image server software to support access and direct visualization/download without authentication;
- Provide technical support for data curation, and provides the procedures for the deposit of data, as well as ensuring fast viewing of data, for the identified formats and metadata;
- Work with IT services nodes BioImaging France, in particular the transversal node "Image Processing and Data Management", to ensure and adapt the hardware configuration of data centers;
- Animate the community, in collaboration working with the National Coordination BioImaging France;
  - Work with microscopy professional networks and metrology-related working groups to define the annotations and software tools related to metrology, in order to associate them with the image data management tool. This work will be based on a standard interface with the image data, for deployment on other management software, and will also require the definition of the associated ontology.

### Expected skills

- Knowledge of concepts of information systems
- Experience in service oriented architecture / web services, and know Java and Java Soap / Rest languages;
- Knowledge of UNIX / Linux operating system;
- Knowledge of at least one application design tool;
- Basic knowledge of computer networks and computer security;
- Experience of teamwork and of interacting with other researchers and engineers;
- Basic knowledge of data processing;
- Basic knowledge the field of microscopy for biology, or with experience in one of these fields: image processing, biology, optics, information science (ontologies).

### Diploma

BAC+ 3 (Bachelor level) minimum, BAC +5 preferred (master or engineer) in computer sciences.

### Require experience

**Similar experience of 3 to 5 years required** if level of diploma BAC +3, desirable if BAC + 5.

### Language skills

English (writing, reading and oral)

### Contract conditions

This contract is proposed by France-BioImaging <https://france-bioimaging.org/>.

This CNRS fixed-term contract will have a duration of **10 months from the 1st of December 2016**. A later start is possible, but the contract will end in any case on the 30/09/2017.

Salary will depend on the experience and diploma of the recruited person, following CNRS rules.

This full time position will be located in NANTES, France, in UMS 3556. Frequent missions (about once a month) to Paris (where the national coordination is) and other destinations in France will be planned and covered.

### How to apply

Deadline for applications: **Friday the 18<sup>th</sup> of November 2016**

Please send your application (motivation letter and CV in pdf) by email to [contact@francebioimaging.org](mailto:contact@francebioimaging.org) AND [perrine.paul-gilloteaux@france-bioimaging.org](mailto:perrine.paul-gilloteaux@france-bioimaging.org) , with the email subject: « Poste CDD IPDM-FBI ».