



Job Description: **Software Engineer Microscopy – CDI**

At abbelight we are driven to advance biological and biomedical research by making powerful super-resolution microscopy easy and accessible for all users. Together with researchers, biotech labs and medical facilities, we aim to unlock the next generation of imaging tools to understand biology and help improve human health.

We are looking for a polyvalent software engineer to join our team to design & integrate future-proof software tools for single molecule data acquisition and analysis.

THE ROLE

You are driven and passionate about developing cutting-edge software solutions and improving the capabilities of the existing software packages. As a member of abbelight's Scientific & Technical Support team (STS), you will help transform clients' needs into new software functionalities enabling quantitative single-molecule imaging.

Some of your missions will be to:

- Resolving product issues and test new releases
- Design benchmarking and quality control tools, ensuring functionality, ease-of-use and robustness both from a software and computer hardware point of view
- Develop, integrate & test activities to improve capabilities of abbelight software suite in the windows environment
- Design & test & integrate new functionalities for single-molecule imaging acquisition & quantitative analysis
- Facilitate the software deployment

REQUIRED PROFILE / SKILLS

- Master's degree (BAC+5) in Computer Science or an engineering degree in a related technical field
- 1-2 years of experience in software development
- Strong technical background in software development, modern C++, UML, testing and debugging
- Coding best practices (Git versioning, documentation, modular programming etc.)
- Good communication skills (french & english) both written and spoken
- General computer knowledge (peripheral, drivers, Windows, ...)

DESIRED PROFILE / SKILLS

- Basic knowledge of image formation and image analysis tools (e.g Fiji)
- Fiji macro programming skills are desirable
- Qt framework

WHY ABBELIGHT / WHAT WE OFFER

TEAM A passionate, multidisciplinary, multicultural and quickly growing team, based just outside of Paris.

STABILITY Permanent position (CDI) with health benefits, and the French work-life balance.

EVOLUTION The role flexible and can evolve in multiple directions as the company grows

HOW TO APPLY

Send your CV and a brief motivation letter to dkellerolivier@abbelight.com. The position will remain open until filled.

ABOUT ABBELIGHT

Founded in 2016, abbelight is a fast-growing start-up specialized in super-resolution fluorescence microscopy, specifically Single Molecule Localization Microscopy (SMLM). The technology developed by abbelight is based on three areas of expertise: chemistry, optics and computer science. The products developed integrate a constantly evolving know-how and allow abbelight to offer a complete solution, from sample preparation to data analysis, including modular instrumentation that can be adapted to customers' needs. See also: www.abbelight.com