



## Job Description: **Software Developer C++ - 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 ensure the existing software suite is in fully functional & 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 modern C++, UML, Python, testing and debugging
- Coding best practices (Git versioning, documentation, modular programming etc.)
- Good communication skills (french & english) both written and spoken

### **DESIRED PROFILE / SKILLS**

- Qt framework
- Basic knowledge in image processing
- General computer knowledge ( peripheral, drivers, Windows, ... )

### **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](mailto: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](http://www.abbelight.com)