



ADAM (Applications of Detector and Accelerators to Medicine) is a research company, inspired by CERN, working on R&D and production of accelerators for medical applications and is wholly owned by Advanced Oncotherapy plc. ADAM is head-quartered in Geneva; its offices and laboratories are based at CERN. ADAM is involved in a hadron-therapy project to build a proton accelerator up to 230 MeV.

The successful candidate is expected to develop software applications and services for the LIGHT control system.

#### **Main activities are to**

- Gather requirements and elaborate designs
- Develop software applications and services primarily in C# on Windows
- Prepare test cases and to execute commissioning with related systems
- Write technical documentation

#### **Requirements**

- Have a master degree in software engineering, computing or equivalent
- Very good knowledge of C# development
- Good knowledge about database development with PL/SQL and Oracle
- Understanding of object-oriented programming
- Good knowledge of software patterns
- Basic knowledge of version control systems
- Fluent in English for speaking and writing with the ability to draw up technical texts.

#### **Following additional skills might be advantageous**

- Team leadership skills with 2 to 3 persons
- Experience in development of control system software
- Knowledge of software building (CMake), packaging (CPack) and continuous integration
- Good knowledge of C, C++ and Nokia Qt

#### **Information**

For further information please contact [Roland.Moser@cern.ch](mailto:Roland.Moser@cern.ch)

#### **Applications**

Interested candidates should submit

- a curriculum vitae,
- a motivation letter,
- a master degree certificate,
- and arrange to have two letters of recommendations sent

by email to: [bb@avopl.com](mailto:bb@avopl.com)

For full consideration applications should be submitted by the **13<sup>th</sup> January 2017**.

The positions will remain open until filled.

All qualified individuals are encouraged to apply.