We have a vacancy for

**LabVIEW Software Engineer**

Advanced Oncotherapy is developing the next generation of proton therapy systems to provide cancer treatment that is more affordable and accessible to many more patients. With a research and development team in Geneva (ADAM SA – a CERN spin-off), our test site in Warrington, UK, and head office in central London, we have 150 staff, spanning 29 nationalities. More information on the Company can be found on [www.avoplc.com](http://www.avoplc.com).

The successful candidate is expected to gather input for integration of accelerator subsystems into the LIGHT control system and follow up off-site LabVIEW development on non-real time PXIe targets.

The LabVIEW Software Engineer will be based in ADAM, Geneva, for a fixed period of two years, with possibility of extension. They will join the Fast Accelerator Control System Team, part of the Control System Group.

This function may require travel to subcontractors for execution of FAT/SAT related activities within Europe.

**Main activities are to:**

- Gather requirements and elaborate designs to integrate accelerator subsystems
- Review documentation to ensure specifications meet system needs and are accurate, comprehensive, consistent and complete
- Prepare test cases and execute commissioning with the integrated subsystems
- Follow up, support and guide the external development and carry out the acceptance including code reviews
- Develop software applications in LabVIEW

**Technical Requirements:**

- A Master degree in software engineering, computing, electronics or equivalent
- 5 years of experience in LabVIEW development, preferably object-oriented LabVIEW
- Strong background in software design techniques, including object-oriented analysis and design, software patterns and the Unified Modelling Language (UML)
- Proven experience with the whole product lifecycle from requirements gathering until testing and delivery;
- Basic knowledge of version control systems, i.e. git

**Behavioural competencies**

- Ability to discuss with multi-disciplinary specialists in-house as well as external stakeholders
- Spoken and written knowledge of English with the ability to draw up technical texts
- Open-minded, cooperative and proactive team member
- Demonstrating accountability, flexibility with a solution driven approach to problems
- Willingness to acquire and share knowledge

**The following additional experience would be an advantage:**

- Previous projects to integrate accelerator subsystems
- Handling of digital and analogue signals, processing of data acquired via bus-connections or serial interfaces
- Experience in finding advanced engineering solutions that solve complex requirements
- System design of projects with a strong reliance on electronic hardware
- LabVIEW development on PXI/PXIe targets
- National Instruments Certifications
Information

For further information please contact bridget.biggar@avo-adam.com

What we offer

- A competitive salary and contribution to healthcare costs
- 24 days holiday plus the CERN closing days (approx. 6 days per year)
- A friendly, international working environment with experts in their field
- Career progression through training and development
- The chance to be at the cutting-edge of proton therapy research

Applications

Interested candidates should submit

- A cover letter
- A curriculum vitae,
- A Master's degree certificate or equivalent in a relevant field
- At a minimum, the names of 2 referees, or two letters of recommendation, and/or employment
- Any other relevant certificates, i.e. LabVIEW certificates

by email to the HR Director: bridget.biggar@avo-adam.com

For full consideration applications should be submitted by the 28 February 2020. The positions will remain open until filled. All qualified individuals are encouraged to apply.