



A.D.A.M SA seeks to appoint a

## High Precision Measurements Engineer

A.D.A.M SA (Applications of Detector and Accelerators to Medicine) is working on the R&D and production of accelerators for medical applications. It is a research company, inspired by CERN and a subsidiary of Advanced Oncotherapy plc. A.D.A.M SA is head-quartered in Meyrin/Switzerland and its laboratories are based at CERN. A.D.A.M SA is involved in a hadron cancer-therapy project to build the linear proton accelerator LIGHT (Linac for Image Guided Hadron Therapy). LIGHT's proton energies range from 70 MeV to 230 MeV and its beam properties are ideally suited for the effective treatment of cancerous tumors. We are aiming to provide a clinically superior and cost-effective alternative to conventional radiation therapy solution, ensuring that clinicians and patients have choices, and that proton therapy is available more widely. More information on A.D.A.M. SA can be found on [www.adam-geneva.com](http://www.adam-geneva.com) and [www.avoplc.com](http://www.avoplc.com).

A.D.A.M. SA Power Converters group is seeking a talented Electrical/Electronics Engineer with experience in the design of high bandwidth and high precision measurement systems for measuring magnetic fields, high currents and high voltages for power converters applications.

This is a 3-year contract and depending on the research and development programme of the Company, the role may become permanent in the future.

### Job Description

#### Responsibilities and tasks

- Transducers selection and testing.
- Digital and analogue electronics design and simulation.
- Commissioning of power converters and magnets systems.
- Writing technical documentation.
- Support the Power Converter Group in the operation, testing and commissioning of power converters.

#### Qualifications

- Master's degree in Electronics or Electrical Engineering or equivalent.
- Experience PSPICE simulation programs.
- Experience in signal processing and high precision measurements design.
- MATLAB programming.
- Good level of spoken and written English with the ability to draw up technical texts.

#### Desirable

- Previous experience designing power converters control hardware.
- Previous experience in accelerator applications.
- Previous experience in high voltage, high current and magnetic field measurements.
- PCB design.

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#### ADAM S.A.

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REGISTERED IN GENEVA, NO. CH-660.3.156.007-4  
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#### ADVANCED ONCOTHERAPY PLC

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## What we offer

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

## Information

For further information please contact: [f.cabaleiro@avo-adam.com](mailto:f.cabaleiro@avo-adam.com)

## 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 certificate/s
- any other relevant certificates,

by email to the HR Administrator, Sabrina Lagrimosa: [sabrina.lagrimosa@avo-adam.com](mailto:sabrina.lagrimosa@avo-adam.com)

For full consideration, applications should be sent by email before December 14th, 2018 to: [sabrina.lagrimosa@avo-adam.com](mailto:sabrina.lagrimosa@avo-adam.com)

The position will remain open until filled and all qualified individuals are encouraged to apply.

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