

Aston Life Sciences is the proud leading company in Consulting, Recruitment and Executive Search for Life Sciences industry in Switzerland. Part of Vulcain Engineering Group (+ 1'700 employees worldwide) through its Life Sciences branch Consultys, we are based in Switzerland and serve Eastern and Western Europe as well as North America. Life Sciences is our passion and we are committed to successfully support our clients in their quest to improve patient's health all around the world.

To be directly hired by one of the Medical Devices leaders in Switzerland, located in Bern area (Switzerland), we are looking for an:

Development Engineer Algorithms - German speaker

Bern area

Your role: Within the Technology division, you will act as Embedded Software & Signal Processing Developer for the Product Development HW & SW department. One of the main missions will be to develop signal processing of low power embedded software from the beginning until the end of its conception.

Your tasks:

- Develop and verify signal processing concepts in a low power embedded system
- Ensure the analysis, design, development, verification and documentation of sensor data for medical devices/ IVD according to IEC 62304
- Collaborate in the development of infusion and injection systems with regard to signal acquisition (sensor technology), signal processing and modeling
- Create numerical simulations for evaluation and as a verification reference
- Development of robust real-time algorithms
- Collaborate actively on numerous projects with various teams such as electronics, mechanics, app development and systems engineering

Your profile:

- Engineer university degree (Bachelor, Master, PhD) specializing in electrical, microtechnology, medical technology, electronics engineering, software, signal processing
- Experience with software tools for modeling technical systems (Python, Matlab, Simulink etc.) ideally in Medical Devices or IVD environment
- Previous experience in sensor technology and signal processing on low power embedded systems
- Enjoy developing safe and reliable algorithms
- Experience with development methods such as unit test and continuous integration is an advantage
- Team player with ability to work with various stakeholders on similar projects
- Very good knowledge of English and German are required

Start date: 1 March 2021

Place of work: Bern area