

Bionomous Sàrl  
EPFL STI IBI BIOROB MOBOTS  
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## Embedded Software Engineer (80 – 100%)

### About Bionomous

Bionomous is a spin-off from the Laboratory of Biorobotics at the Ecole Polytechnique Fédérale de Lausanne, in Switzerland. Our team works on the development and commercialization of devices that automatize processes in biology and biotechnology, to accelerate research in fields such as genetics, toxicology, development and behavioral biology, and non-clinical studies.

### Your mission

Work on the development, testing and deployment of embedded software for an automated laboratory machine. The candidate will produce, maintain and document low-level embedded software to interface with the machine's peripherals and high-level software for the user interface, as well as participate in product testing.

### Main tasks and responsibilities

- Design, test and deployment of embedded software
- Maintenance and documentation of the software
- Design of test benches and tests for software evaluation
- Work in a small team on the development of new products used in life science research applications.

### Your profile

- Software engineer / microengineer with very good skills in embedded software development
- Proficiency in embedded C
- Good knowledge of ARM microcontrollers
- Good knowledge of java and Android development
- Prior experience in robotics and electronic would be a plus
- Knowledge of Machine Learning or Deep Learning would be a plus
- Language: French / English

**We offer**

- An opportunity to be involved in an EPFL spin-off project from its beginning
- Involvement in a multidisciplinary project with a wide variety of tasks
- A rewarding job on the Lausanne EPFL campus

**Start date**

As soon as possible

If you think that your profile corresponds to the one described above, we invite you to send us your complete application including a letter of motivation, a CV, and any work certificates to the address [info@bionomous.ch](mailto:info@bionomous.ch), indicating in reference the job title.