



## About us.

PCR innovation has stagnated - that's where MillionMolecules steps in to drive progress. What began as a research project at the Hahn-Schickard Institute and the University of Freiburg has evolved into an EXIST-funded startup. Our interdisciplinary team combines expertise in microfluidics, biotechnology, economics and a healthy dose of humor. Whether it's advancing cancer diagnostics, preparing for the next pandemic, or simply pursuing our passion for innovation, we are developing a next-generation digital PCR (dPCR) system that enables the precise quantification of millions of molecules.

**Join a young startup in the life science sector as:**

## Head of Engineering & Co-Founder (Hardware & Software, Lab Instrumentation)

We are looking for a talented team member (f/m/d) to join us as soon as possible and take the lead in developing our innovative digital PCR system. Do you enjoy variety in your work and the excitement of knowing that no two days are the same? At MillionMolecules, we offer a wide range of hardware and software challenges — all waiting for you to tackle.

### Your tasks

- Independent development of an automated lab instrument, including:
  - > high-precision temperature control
  - > micro-mechanical motorized axis
  - > an optical fluorescence microscopy unit
  - > smart image-processing algorithms
  - > a user-friendly graphical interface
- Iterative conceptualization, rapid prototyping, programming and testing of the system
- Close collaboration with team members on microfluidic and biological experiments

The position is initially limited to 18 months, with the opportunity to become a Co-Founder.

### What we offer

- Freedom to shape the future of an exciting new technology in the life sciences
- Opportunity to become a Co-Founder in a purpose-driven medtech startup
- Active participation in startup life, including fairs, conferences and pitch-events
- Strong team spirit and regular social activities
- Salary in accordance with TV-L E13

### Your profile

- M.Sc. in a STEM field (Micro-/Embedded Systems, Mechanical/Electrical Engineering, or related)
- Experience with CAD, programming (Python, C/C++), and version control (Git)
- Industry experience and/or a PhD in a relevant field (engineering, programming, optics) is an advantage
- Interest in interdisciplinary work and applications in micro- & biotechnology
- Strong communication and teamwork skills
- Proactive ownership of projects and a highly independent working style
- Willingness to acquire new skills as needed
- Hands-on mindset with a passion for experiments
- Attention to detail, strong documentation practices
- Fluency in English; German is an asset

### Your application

If you are interested, please send your **full application as a single PDF file** (cover letter / CV / certificates / transcript of records) to the following contact:

**Dr. Fabian Lickert**

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