

The Department of Microsystems Engineering (IMTEK) of the University of Freiburg is one of the world's largest and leading academic research centers in the field of microsystems technology. The Laboratory for MEMS Applications (Prof. Dr.-Ing. Zengerle) develops tools for diagnostics, microfluidics and life-science research. For a research project, we are looking for a

Scientific Assistant/ Postdoc (m/f/d)

in the area of molecular biology for the

Development of Molecular Assays - real-time PCR, digital PCR and NGS

Barley mosaic viruses are soil borne pathogens, which contaminate farmlands over decades, severely affecting cultivation and yields of barley. The scientific and technical goal of this position is to develop a monitoring tool for detection and differentiation via a sensitive multiplex assay.

Your tasks:

- As part of our Nucleic Acid Analysis Group, you develop innovative molecular assays to detect and differentiate new virus strains of the barley mosaic virus
- You design and test digital and real-time RT-PCR systems, including optimization of fluorogenic DNA modifications
- In perspective of novel diagnostic tools you develop new concepts for sequencing techniques

Your profile:

- You are highly motivated with an open mindset and solid communication skills in German and/or English
- You have completed a university degree in biology, molecular biology, biomedicine or a similar field
- A doctorate would be beneficial but is not mandatory
- You are experienced in assay development, especially real-time PCR, digital PCR and/or NGS
- Experience in project work/management or acquisition is beneficial

We offer:

- An excellent equipped laboratory and research institute with a highly motivated team and an excellent working atmosphere
- Flexible working hours
- Trainings for professional and personal development
- A full time contract for 18 months with the possibility of extension
- Public working benefits
- Possibility to attain a doctorate

If you are interested, we are looking forward to hearing from you! Please send your application including cover letter, CV and relevant certificates in one single PDF to:

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