

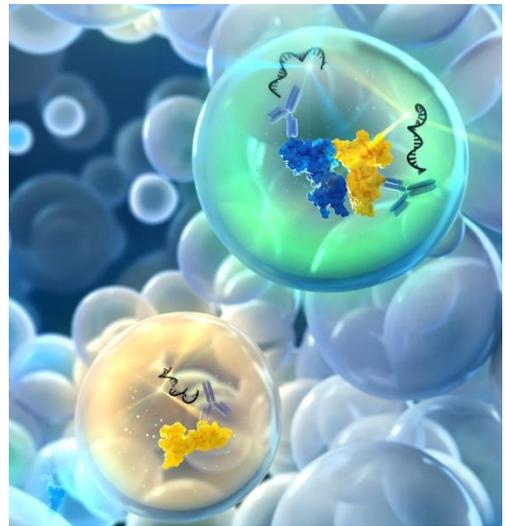
Postdoctoral position (m/f/d) in innovative digital assays for single cell multi-omics and protein-protein interactions

Who we are:

The Department of Microsystems Engineering (IMTEK) at the University of Freiburg is one of the world's largest and leading academic research centers in the field of microsystems engineering. The Emulsion Coupling project group, based at the Laboratory for MEMS Applications, works in close cooperation with the start-up Actome GmbH and the University Hospital Freiburg on innovative technologies for the highly sensitive and quantitative analysis of nucleic acids, proteins and protein-protein interactions. For the development and expansion of this research group, a **postdoctoral position according to TV-L E13 (100%)** is available immediately.

Your tasks:

- Application development for multi-omics single cell assays based on digital PCR (dPCR)
- Highly sensitive and parallel analysis of protein-protein interactions using digital assays
- Collaboration with partners to adapt assays to targets with clinical relevance in the field of personalized diagnostics and as a predictive biomarker for oncology
- Planning and acquisition of further funding projects in these areas
- Scientific supervision of PhD students and publication of scientific articles



Your qualifications:

You have completed a degree in molecular biology, molecular medicine or comparable academic training with excellent results. Ideally, you have already gained experience in a post-doctoral position. You are proficient in classical laboratory practice and have experience with both digital PCR and protein analytical methods. Ideally, you have already worked with single cell technologies and have good bioinformatics skills. You are highly committed to research, flexible, and able to work under pressure. You have good communication and team skills, and a meticulous way of working.

What we offer:

We offer an exciting interdisciplinary topic with a strong application focus and access to a unique innovative technology at the interface between industry and academia. You can expect modern laboratory equipment (e.g. Stilla Naica and QIAcuity dPCR platforms, cytena c.sight single-cell printer, etc.) and a highly qualified team. The position is initially limited to one year. The possibility of an extension and the establishment of a junior research group is given.

If you are interested, please send your complete application documents to

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