

CAN I COMBINE SCIENCE AND BUSINESS IN A SINGLE JOB?

YES.

We'll show you how at Fraunhofer.

MAKE THE MOST OF YOUR TALENTS BY JOINING OUR DNA-NANODEVICES TEAM AT FRAUNHOFER. POSITIONS IMMEDIATELY AVAILABLE FOR:

INTERNSHIP WITH THE POSSIBILITY FOR A SUBSEQUENT MASTER'S THESIS

The group DNA-nanodevices at the Fraunhofer Institute for Cell Therapy and Immunology (IZI) is looking for a student to carry out an **internship with the possibility for a subsequent master's thesis**.

The international group DNA-nanodevices is working on (complex) self-assembled DNA-based nanostructures as well as their precise functionalization with (bio) molecules (e.g. peptides, dyes) for their application in diagnostics and immunology.

What we expect from you

We are searching for highly motivated students that like to work in the creative and highly interdisciplinary field of functional DNA nanotechnology.

You should have the following qualifications:

- Bachelor (B.Sc) in the area of life sciences, such as biochemistry, biology or biotechnology
- Prior knowledge or experience in human cell culture as well as different cell-based assays and fluorescence microscopy
- Ability for analytical thinking and technical understanding to quickly familiarize yourself with new topics and areas
- Good English and computer skills

Besides professional skills, you should be able to approach problems with an independent, critical perspective, and be ready to work in a highly self-motivated, structured manner. If you are communicative and like to work in an international team, we would like to meet you in person.

What you can expect from us

We offer a challenging and interdisciplinary working environment and access to advanced technologies and techniques for biological and biochemical analysis. Your area of research essentially includes:

- Self-assembly of DNA nanostructures
- Chemical functionalization by using different conjugation strategies
- Human cell culture and cellular assays
- Flow cytometry
- (confocal) fluorescence microscopy
- General biochemical assays
- Planning, execution and analysis of experiments in an interdisciplinary research field

The place of work is Leipzig. The internship and the master's thesis will not be financially compensated.

Fraunhofer is Europe's largest application-oriented research organization. Our research efforts are geared entirely to people's needs: health, security, communication, energy and the environment. As a result, the work undertaken by our researchers and developers has a significant impact on people's lives. We are creative. We shape technology. We design products. We improve methods and techniques. We open up new Vistas.

We look forward to receiving your application! Please submit it (in PDF format, including cover letter, CV, grade sheets and references) via our career Portal.

Your contact for any questions you may have about the job:

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<http://www.izi.fraunhofer.de>

Job Reference: IZI-2019-5

Closing Date: 30.06.2019