

Technische Hochschule Lübeck receives a high level of external funding and, with around 5,000 students across four departments and over 30 study programmes, is the largest university in Lübeck. Around 130 professors teach and conduct research in four departments and a total of seven centres of excellence, supported by approximately 300 members of staff. Its technology and knowledge transfer, e-learning and international programmes are extremely successful and nationally recognised. High quality, practically-oriented teaching supplies the foundations for preparing our students as well as possible for the labour market. Our employees are the key to our success. We want you!

Technische Hochschule Lübeck is seeking, at the earliest opportunity, to fill a position in the Department of Applied Natural Sciences as a

Junior Researcher (m/f/o)
- Reference number 8.139 -

The post is temporary until 31.10.2021.

Should the pay scale terms and conditions be met, the post will be categorised up to remuneration group 13 as per the remuneration structure under the collective public sector wage agreement for the federal states (TV-L). The hours of work will be 50% of the hours of work set under the collective agreement (currently 19.35 hours / week).

Within the framework of the German Research Foundation-funded Sino-German MiCo Research Project, innovative complex micro- and nanostructures are to be obtained initially using femtosecond laser micromachining technologies (Chinese side). Subsequently (German side) the aim is to functionalise them with interesting metals using OMCVD, so that innovative applications in the areas of micro(nano)optics, micro(nano)mechanics, micro(nano)electronics and micro(nano)chemistry may be possible.

Your role:

- Development, construction and design of coating systems including functionalisation of the innovative complex micro- and nanostructures by using chemical coating methods such as OMCVD.
- Execution of the MiCo research project together with international research partners and attainment of the milestones set

You will have the following qualifications:

- A degree (Master's / diploma) in Chemistry
- Interdisciplinary experience in the field of chemistry and/or materials science
- In-depth knowledge in the field of coating technology and/or organometallic chemistry and in the characterisation of micro- and nanostructured systems.
- Relevant experience in the field of medical technology would be desirable

- Relevant industry experience, for example in scientific product development, plus expertise in relation to § 11 of the German Prohibited Chemicals Regulation would be advantageous
- An independent, systematic and committed technical and scientific way of working, plus an enjoyment of experimental chemical work
- A high level of confidence in dealing with chemicals and hazardous substances, experimental measurement technology, measuring instruments and excellent experimental skills
- Knowledge of photonics and/or laser technology
- Excellent English language skills (written and spoken), additional foreign language skills desirable
- A high degree of mobility and an international outlook are required

We offer:

- Highly interesting and varied activities with plenty of autonomy in a committed team, in a city with an extremely high quality of life
- Independent work with a degree of freedom in your own area of responsibility
- A variety of opportunities to manage your own hours of work to achieve a better work-life balance
- A family-friendly atmosphere and programmes to support combining your career with family commitments
- An appointment governed by the collective agreement for public sector workers in the federal states (TV-L).
- Encouragement of your professional and personal development and extensive in-house programmes
- Possibility of a pension (VBL = Federal & State Public Sector Pension Agency)

Should you have any questions concerning the content of the post, please feel free to contact the Project Manager, Professor Dr. Jörn Wochnowski on tel.: +49 (0)451 300 5654.

In November 2016 the Total E-Quality award was conferred upon Technische Hochschule Lübeck for the third time. The award is granted to organisations that successfully implement equal opportunities in their human resources and organisational policies, as well as offering a range of opportunities in support of combining employment with family commitments.

Flexible working time models are available by agreement. We expressly welcome applications from candidates with a migrant background. We promote the employment of people with disabilities. For this reason, applications from suitably qualified disabled candidates will be given priority.

The university strives to achieve equal numbers of female and male employees in the workforce. If they possess equal qualifications, aptitude and professional expertise, female candidates will be given priority in areas where they are under-represented.

We expressly request that you do not supply a photograph with your application. We look forward to receiving your detailed application stating the reference number and collated in a PDF file by **25.03.2020**. Please forward it to:
bewerbungen@th-luebeck.de.

Technische Hochschule Lübeck
 Abteilung I Personal
Kennziffer 8.139
 Mönkhofer Weg 239
 D-23562 Lübeck, GERMANY