

# LEITEND ZIELORIENTIERT VERANTWORTUNG

The Center for Molecular and Cellular Bioengineering (CMCB), central unit of the Technische Universität Dresden (TUD) and umbrella organization for CRTD, BIOTEC and BCUBE, offers a position for an outstanding applicant with scientific qualification as

## Light Microscopy Specialist (f/m)

(Subject to personal qualification employees are remunerated according to salary group up to E 13 TV-L)

at the earliest possible date. The position is funded by the Center for Regenerative Therapies Dresden (CRTD), DFG research centre and cluster of excellence of the TUD, working in the areas of hematology/immunology, diabetes, neurodegenerative diseases as well as bone regeneration.

The Light Microscopy Facility is part of the CMCB Joint Technology Platform jointly run by CRTD, BIOTEC and BCUBE, which offers services as well as state-of-the-art technologies and equipment. The facility serves more than 250 users per year and offers a collection of more than 20 state-of-the-art light microscopy instruments. The available equipment ranges from high-end confocal systems to basic fluorescent video microscopes. The Facility provides user training and full technical support for all the instruments along with advice on microscope selection and the design of imaging experiments as well as data processing.

The contract is initially limited until 31.12.2018 with a possibility of extension.

The main scope of the applicant is to serve the facility users. This includes the introduction of users to microscope systems, immediate help and trouble shooting and providing advice on imaging project design especially for advanced imaging technologies like 2-photon Microscopy, FCS, FRET and FLIM. The applicant correctly adjusts, maintains and repairs the instrumentation in collaboration with the instrument manufacturers. Furthermore, the applicant will theoretically and practically evaluate new technologies for the renewal and extension of the facility equipment in collaboration with international working groups and microscope system manufacturers. The applicant will be involved in the facility teaching activities (master students) and the presentation of the facility to the public. Moreover, the applicant participates in conferences and represents the facility on those meetings.

### Your profile:

- PhD degree and strong background in natural sciences, preferably in Physics, Biophysics or a closely related subject
- Open-minded communicative team player, who enjoys working in an international research environment
- High Motivation to support the work of all facility users
- Deep knowledge of current high-end light microscopy methods as well as sound experience in optics is expected
- Experience with advanced imaging methods like 2p microscopy, FCS and FLIM is a strong plus
- Knowledge regarding data evaluation, statistics and image processing is beneficial
- Experience and knowledge in the field of laser protection regulations and its implementation is a benefit but not mandatory
- Communication in English is essential since we offer an international working atmosphere at the CMCB and are participating in international projects
- A background in programming, statistics, and data analysis will be helpful

Further information about the CRTD is available under <http://www.crt-dresden.de/about/> and for our Joint Technology Platform under <http://biotp.tu-dresden.de/biotechnology-platform/>.

**We offer the possibility of:**

- arranging flexible work hours to balance work and family life
- using our internal prevention program including courses and fitness in our Carus Vital health centre
- providing a company pension plan

**Application procedure:** Please submit your complete application by the 15.09.2017 [as a single PDF file \(max. 4MB\) with the application number CRT0917851 online](#). The Medical Faculty seeks to employ more women in leadership positions. Hence, we particularly encourage qualified women to apply. Applications from disabled candidates or those with additional support needs are very welcome.

For further information about the institute and job position, please contact directly the administrative coordinator Dr. Friederike Heinze (friederike.heinze@tu-dresden.de). Expenses incurred in attending interviews cannot be reimbursed.