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AN DER CHARITÉ

CHARITÉ
UNIVERSITÄTSMEDIZIN BERLIN

**ZUSAMMEN
EIN GANZES.**



The Charité - Universitätsmedizin Berlin is a joint medical faculty, which serves both Freie Universität Berlin and Humboldt Universität zu Berlin. As one of the largest university hospitals in Europe with an important history, it plays a leading role in research, teaching and clinical care. The Charité university hospital has also made a name for itself as a modern business with certifications in the medical, clinical and management fields

MICROSCOPY AND IMAGE ANALYSIS SPECIALIST

Department of Internal Medicine / Infectious and Respiratory Diseases / Research Lab / CC12

High-end light microscopic techniques as well as subsequent big data processing and machine-learning based analysis is playing a central role in biomedical research. Within the activities of the collaborative research network (SFB-TR 84, Innate Immunity of the Lung), the newly founded Development Center for Multidimensional Imaging (Charité - Zeiss), and the Charité research center 3R, imaging based investigations of three-dimensional human tissue and organoid models aim to reveal basic (patho-)physiological mechanism in infection and immunity. For strengthening this area, the Hocke Lab (Molecular Imaging of Immunoregulation) offers a postdoctoral position with strong emphasis on high-end imaging.

Your area of responsibility:

Responsible running of an advanced microscopic environment including the following techniques:

- Spectral microscopy (confocal, FRET, FLIM), super-resolution (PALM, STORM, SIM), live-cell and -tissue imaging, perspective (lattice) light sheet
- Development of new imaging techniques and applications for the research field with industrial partners
- Digital image processing / analysis including automation by machine / deep learning
- Cell and tissue preparation, infection / stimulation
- Education of young scientists, guidance of thesis candidates

Your profile:

- A passion for imaging is a prerequisite!
- PhD thesis in a relevant field (life-science, medicine etc.) and at least 3 years job experience in the field
- Very solid background in advanced light microscopy including image analysis
- Profound knowledge in programming and development of machine / deep learning based tools is a strong asset
- Capability to setup new microscope systems and courage to develop new imaging techniques
- Strong experience in cell culture, handling tissue samples, and vector cloning procedures
- High degree of scientific accuracy with skills to establish scientific workflows and procedures
- Skills in educating young scientists, good team player, and wish to push the field forward
- Open for working in an infectious disease lab and to handle pathogens on a biosafety 2 level

Ref.no.:

DM100.18b

Start:

01.07.2018

Length of employment:

30.06.2022

Workingtime:

39 hours per week

Pay:

E13 TVöD VKA – K

Employees are grouped into pay scales according to their qualifications and personal requirements. You can find our collective bargaining agreements (Tarifverträge) here:
<https://www.charite.de/en/careers>

Contact person:

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Please send your application quoting the reference number to:

Charité - Universitätsmedizin Berlin
Med. Klinik m.S. Infektiologie und
Pneumologie
Prof. Dr. Andreas Hocke
Charitéplatz 1 / Virchowweg 9
10117 Berlin

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