

The Charité – Universitätsmedizin Berlin is a joint institution of the Freie Universität Berlin and the Humboldt-Universität zu Berlin. The Charité is one of the largest university hospitals in Europe. Here, 3700 doctors and scientists treat patients, perform research and teach at the highest international level. The Charité also has an international reputation for excellence in training, with certifications in the medical, clinical and management fields.

The following position is currently available in the workgroup “Musculoskeletal Biomechanics” **within the Julius Wolff Institute (JWI)** under the direction of Prof. Dr. Georg Duda:

## **Phd-Student “Image Bone healing”**

(ID: FOR 2165/4) im DFG Forschungsverbund „Regeneration in Aged“  
(Kennziffer: DM.76.17)

At the Julius Wolff Institute of the Charité-Universitätsmedizin Berlin, we have an opening for a PhD student in the field of biotechnology / engineering with technical skills and interest in cell biology.

The research project involves the development of techniques for in vivo visualization of fluorescence-stained cells in order to monitor and decipher the development of blood vessels after bone fracture. The work forms a bridge between the clinically relevant question of bone healing and the fundamentals of vessel formation and is therefore carried out in close cooperation with working groups at the Max Delbrück Center and the Center for Musculoskeletal Surgery of the Charité (Centrum für Muskuloskeletale Chirurgie).

The doctoral program offers the possibility to participate in the graduate program of the Graduate School 203 "Berlin-Brandenburg School for Regenerative Therapies", a graduate school of the DFG Excellence Initiative (Link: [www.bsrt.de](http://www.bsrt.de)). This employment also serves the purpose of scientific further qualification within the scope of the described task area of the project.

### **Your profile:**

- excellent degree in biotechnology, fine mechanics, biomedical engineering or any other relevant field of engineering or life sciences
- scientific motivation
- high talent for self-organization
- very good in spoken and written English

### **Personal, methodological and social skills:**

Teamwork, experience in planning, implementation and publication of scientific studies, ability to cooperate with scientists of other disciplines. Experience in the following areas is helpful: Interest in constructing, in vivo microscopy of cells or comparable structures, or experience in biophysics for the visualization of cells are desirable but not absolutely necessary.

The classification is carried out taking account of the qualification and the personal prerequisites according to group 13 of remuneration for the TV Charité (collective agreement-Charité). The weekly working time is 65%. The position is offered for a duration of 36 months.

The Charité - Universitätsmedizin Berlin makes its personnel decisions according to suitability, competence and professional performance. With the same suitability, we prefer severely disabled people. We also aim to increase the proportion of women in scientific staff and urge women to apply. In the case of equivalent qualifications, women are given priority in the legal possibilities. Applications from people with a migration background that meet the requirements for setting up are explicitly welcome. In the case of employment, a police clearance certificate, sometimes an extended certificate, will be required. Unfortunately the application documents can only be returned if a sufficiently stamped return envelope is attached. Possible incurring travel expenses cannot be reimbursed.

Please send your complete application within 14 days, with reference to the ID above to the following address:

**Charité – Universitätsmedizin Berlin,  
Julius Wolff Institute, Sekretariat, Augustenburger Platz 1, 13353 Berlin, Germany**

You can also submit your application via email: [georg.duda@charite.de](mailto:georg.duda@charite.de)