

The **Faculty of Medicine of Justus Liebig University Giessen (JLU)** invites applications for a

**W2 Professorship in Experimental Trauma Surgery with a focus on  
Regenerative Medicine  
as of now.**

Reference is made to § 67 Para. 7 Hessian Higher Education Act (HHG), the non-tariff terms of employment apply, and to conditions of employment based on § 68 HHG. Proficient knowledge of German is expected.

**Duties:**

The successful candidate will represent the area of experimental trauma surgery in the field of regenerative medicine in research and teaching at the Faculty of Medicine of JLU.

The central tasks of the successful candidate include research on the extracellular matrix (ECM) and the cellular as well as humoral response of the immune system, which are crucial for the repair and regeneration processes in bone. *In vivo* and *in vitro* studies of osteoimmunological changes, especially in age-related systemic diseases, should be established. The interaction between functionalized biomaterials and immune system response in bone healing is a particular focus.

An integration into the focus area “Cardio-Pulmonary System (heart/lung)”, the area of potential “Infections, Inflammations and Active Substances” or the accent areas “Reproduction”, “Translational Oncology” and especially “Reparation and Regeneration” is desired. In addition, cooperation projects with industrial partners are to be implemented.

The universities of Giessen and Marburg and the University of Applied Sciences in Central Hessen are working together in a research alliance (Research Campus of Central Hessen) as a structured cooperation based on coordinated priorities. It is expected that the applicant shows cooperativeness to university and department-wide collaborative projects.

Collaboration in other existing structures of the Faculty of Medicine for the promotion of young scientists and clinicians, including “JLU-TRAINEE”, a structured graduate program, and “JLU-CAREER”, a clinician scientist program, is expected. This also applies to the cooperation with the Giessen Graduate Centre for Life Sciences (GGL). Furthermore, the successful candidate is explicitly desired to integrate gender issues in research and teaching.

**Requirements:**

The applicant should be internationally recognized in her/his field of research and have experimental experience in bone healing. Therefore, solid knowledge in integrated image data analysis based on concrete radiological and histological findings is crucial to achieve viable concepts for digital diagnostics and the use of personalized biomaterials. This approach will open up the possibility to transfer experimental research findings to clinical applications for bone regeneration by means of digital medicine.

Prerequisites for the position include a degree in (Human-)Biology, the required qualification for scientific work according to § 67 Para. 1 HHG, usually proven by a doctorate with merit, and relevant additional scientific achievements (e.g. habilitation or internationally visible subject-specific publications especially in the field of bone regeneration). Furthermore, a proof of a particular pedagogic aptitude and a necessary qualification to represent the specialist field in academic teaching with great commitment are required. Independent experience and success in the acquisition of external funding, preferably from the DFG, EU or BMBF, should be proved.

JLU aims to employ more women in academic research. We therefore particularly encourage female candidates to apply. JLU also pursues the goal at faculty leadership level of increased competence in dealing with gender and family-related issues. JLU is regarded as family-friendly university. Applicants with children are very welcome. Applications from disabled people of equal aptitude will be given preference.

We strongly recommend candidates to refer to our [fact sheet](#) on application procedures.

Please send your application with the required documents via [online form](#) to the President of Justus Liebig University Giessen by **February 24<sup>th</sup>, 2022**, quoting the reference number K-20/21. Applicants are encouraged additionally to fill in one of the forms listed under <https://www.uni-giessen.de/fbz/fb11/dekanat/dekanat/ref1> (Bewerbungsbogen – application form).