

Department of Musculoskeletal Tissue Regeneration
at the Julius-Maximilians-Universität Würzburg
invites applications for a

PhD POSITION (m/w/d)

We are looking for one **PhD student** to join the Department of Musculoskeletal Tissue Regeneration (Chair: Prof. Dr. Denitsa Docheva) at the University of Würzburg.

The PhD student will work directly with Prof. Docheva and would also be co-supervised by Dr. Girish Pattappa. The topic of the research will be understanding the molecular mechanisms for chondrocyte senescence and how it can be countered using pharmacological drugs and low oxygen tension. This project will be carried out in collaboration with Prof. Peter Angele, Regensburg.

Expected start date is March 2025.

Requirements

- PhD is expected to hold a MSc degree in Biology or Biomedical Sciences
- Experience with cell culture (mammalian cells) and molecular methods (PCR, ELISA, western blotting) is desirable
- Publication (published or in preparation) from the MSc study is also of an advantage
- Good written and spoken English

PhD position will focus on

- In vitro studies using chondrocytes in 3D models (pellet and cell-seeded scaffolds)
- Pharmacological drug testing
- Validation and readout of molecular factors following RNAseq
- Scientific writing of review and research articles

We offer

- Excellent team environment
- Regular laboratory and supervisor meetings
- Established methodology and laboratory infrastructure
- A contract of employment for up to 3 years (initially a 1 year contract)
- Flexible working hours reconciling career and family
- Help finding accommodation, reduced-price bus pass, free parking, childcare, and much more

The position is remunerated on the public service salary scale (TV-L). JMU aims to increase the proportion of women and therefore expressly encourages qualified women to apply. Disabled applicants with essentially equal aptitude, qualifications and professional performance will be given preference.

Please email your CV and motivation letter by **February 28th, 2025** at the latest to:

sylvia.holzapfel@klh.de