



Ausschreibung: Studentische Hilfskraft (m/w/d)

- Announcement: Student assistant (m/f/d) -

Description:

We are looking for HiWis who would assist in experiments on skeletal muscles. Our research focuses on understanding the pathological and mechanical changes in skeletal muscles in fiber, fiber bundle, and muscle level. The HiWis will help perform muscle fiber experiments from animal muscle tissue, and depending on the interests, perform data analyses. In the future, assisting other experiments using ultrasound shear wave elastography or electromyography measurements might be possible as well. The number of hours will be agreed upon.

Requirements:

1. Student in Biomedical Engineering or a comparable study program
2. Interest in experimental research in muscle physiology and biomechanics
3. Good written and communication skills and fluency in English (German knowledge is an advantage)
4. Good analytical, numerical, and problem-solving skills
5. Self-reliant work attitude in a collaborative environment

Of advantage:

- Previous experience/knowledge in animal experimentation (sample preparation, data collection, and/or analyses)
- Programming skills in Matlab
- Interest in a more extended HiWi position (> 6 months)

What we offer:

- Hands-on experience with experimental research
- Gaining knowledge about muscle biomechanics
- Flexible working hours
- Possibility for student thesis (e.g. Bachelor's or Master's thesis)

The Application: Please e-mail your CV and copies of academic transcripts, as well as a short introduction of yourself (background and interests), as one single pdf to [filiz.ates\[at\]isd.uni-stuttgart.de](mailto:filiz.ates[at]isd.uni-stuttgart.de)

Filiz Ates, PhD

Head of Experimental Biomechanics Group

The University of Stuttgart, Faculty of Aerospace Engineering and Geodesy

Institute of Mechanics, Structural Analysis and Dynamics of Aerospace Structures

<https://www.isd.uni-stuttgart.de/research/biomechanics/muscle-mechanics/>