



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

Institute of Legal Medicine, Dep. Biomechanics and Accident Analysis
Job Description



The Ludwig-Maximilians-Universität München is one of the largest and most renowned universities in Germany with a wide variety of fields of activity. The Department of Biomechanics and Accident Research at the Institute of Legal Medicine is looking for a

Student Assistant (m/w/d)

(min 8 hrs/week; asap)

The position is in the context of the *THUMS User Community* project, in particular the *sub-project Injury Risk Curves for Scaled Human Body Models*.

Your Tasks:

- Literature review - focus on chest injuries for different anthropometries
- Statistical analysis of data - relevance of anthropometric characteristics
- Clustering of data into relevant groups
- Documentation of results

Your Profile:

- Experience in statistical analysis
- Experience of programming in Matlab, R or Python
- Good English language skills
- (optional) experience with anthropometric data and (injury) biomechanics

Our Offer:

- Free schedule of working hours
- Interdisciplinary team (computational science, mechanical engineering, medicine, biology, automotive engineering, ...)
- Involvement in current topics in the field of FE human models in an international project

General Conditions:

- Begin: asap (ideally from March 2025)
- Amount of working hours to be agreed on (mind. 8 hrs/week)
- Temporary position for 3 months with option to extend
- Working from home, if desired also on site (Institute of Legal Medicine, Munich)

Contact:

Please send your application documents (CV, short description of your experience in the field mentioned) to
Laura Rahm (M.Sc.)
biomechanik.rm@med.uni-muenchen.de



Die THUMS User Community (TUC)

The THUMS User Community (TUC) is a project of the Ludwig-Maximilians-Universität München (LMU) in cooperation with AUDI AG, Autoliv Development AG, BMW AG, Mazda Motor Corporation, Mercedes Benz AG, Dr. Ing. h.c. F. Porsche AG, Toyota Motor Corporation, Volkswagen AG and ZF Automotive Germany GmbH. The aim of the TUC is to harmonize the general and administrative requirements for the use of FE human models (HBMs) in vehicle and road safety applications. Methods and procedures are being developed to enable the uniform application of validated HBMs in the active and passive safety analysis of occupants and pedestrians/cyclists. The project also creates a cooperative platform for the partners and gathers pre-competitive know-how in the field of HBM applications. (www.tuc-project.org)