



The Institute of Lightweight Design and Structural Biomechanics at the TU-Wien, Computational Biomechanics Group, is offering a full-time position (40 hours/week) for a post-doc university assistant for six years. The estimated starting date is Sept. 1, 2016.

Entry level salary as a postdoctoral researcher is covered by level B1 of the Austrian Collective Agreement for university staff, and currently amounts to a minimum of EUR 3.590,70 EUR/month gross, 14 times/year.

Qualifications:

A PhD in the field of mechanical engineering, biomedical engineering or a related discipline is a prerequisite. The successful candidate will work in the field of computational bone biomechanics, in particular, in the image-based finite element modelling and experimental validation of human bone models. Previous experience in bone biomechanics, image processing, finite element modelling, computer programming (e.g. FORTRAN/C++ and Python), cadaveric validation experiments, and multiscale modelling is highly desirable. Good command of English and German language is required.

We offer:

- A creative environment in one of the most livable cities in the world.
- A young, highly motivated and international team of researchers.
- An internationally established working group.
- The possibility to grow into a scientific leadership position.
- A well equipped work environment (soft- and hardware, biomechanics lab).
- Continuing personal and professional education.
- The possibility to present research results at leading international conferences.

We expect:

- A highly motivated, resilient person with very good communication skills, who likes to act as a leader
- Interest in solving scientific problems in an independent and goal-oriented manner
- The ability to follow current research, to develop new concepts and methods as well as to put them into pre-clinical practice
- The willingness to contribute to interdisciplinary and international scientific projects
- Supervision of Master and PhDs students
- Writing grant proposals and acquiring third-party funds
- Teaching is expected as part of the position within the areas represented by the institute
- Participation in organizational and administrative tasks of the institute and the faculty
- Very good scientific communication and scientific writing skills in German and English

For further information, please, contact Prof. Dr. Dieter Pahr (pahr@ilsb.tuwien.ac.at). The application should include a motivation letter, a scientific CV, diploma certificates, list of publications, and a copy of the PhD thesis, all in electronic form (ZIP archive containing PDFs).

Period for application: from March 16, 2016 to April 13, 2016 (date of stamp).

The TU-Wien is committed to increasing female employment in leading scientific positions. Female applicants are explicitly encouraged to apply. Preference will be given when equally qualified.

Applications in digital form (pdf) should be sent to the personal department of the TU Wien, Karlsplatz 13, 1040 Wien. Online-application by E-Mail to rene.fuchs@tuwien.ac.at .