Are you willing to work and expand your horizons in a highly interdisciplinary and multinational research environment?

We are looking for a highly motivated researcher, with a PhD degree and technical expertise in the field of biophysics, biomechanics, microscopy tissue engineering or similar. Postdoctoral experience abroad will be considered a strong asset.

A research laboratory manager position is available, aimed at establishing and operating **a new platform** in the framework of the future Cell Culture Core Facility of the TU Wien. This platform represents a unique infrastructure enabling all-round characterization of multicellular structures, from high throughput screening of spheroids or organoids down to single cell or molecule analysis, using optical, microscopical and mechanical detection methods.

The candidate will be strongly involved in the selection and procurement of equipment, its installation and operation, as well as preparation of SOPs, quality management and in the relationship with customers (both internal TU Wien and external).

Living in Vienna

Located in the heart of Europe, Vienna is renowned for its culture, stunning imperial as well as modern architecture and vast green spaces, which make up over half of the city. Vienna has been ranked as the most livable city in the World multiple times.

Working at TU Wien

Technische Universität Wien (TU Wien) founded in 1815 as an Imperial and Royal Polytechnic Institute (k. k. Polytechnisches Institut) is one of the oldest engineering schools in Europe. The university consists of eight faculties that cover the classical engineering disciplines and natural sciences. The teaching and fundamental as well as applied research receives high international and domestic recognition. Being one of the most innovative institutions in Austria, TU Wien is consistently ranked among the best with regard to the number of granted patents. Furthermore, TU Wien is striving to ensure family-friendly conditions for the university staff, alongside their career or academic work.

The successful candidate will join a highly interdisciplinary and multinational research laboratory with excellent infrastructure in the heart of Vienna. The group “3D Printing and Biofabrication” group is a part of Additive Manufacturing Technologies (AMT) initiative, which has a strong record of accomplishments, including a number of high-profile research / industrial projects (two consecutive ERC Grants, Christian Doppler Laboratories, large European projects), three spin-off companies, plenty of inventions and highly cited publications. Our research projects are at the interface of engineering, material development and biomedical research, including 3D bioprinting: https://amt.tuwien.ac.at

Expected Qualifications:

We are looking for a highly motivated, enthusiastic and outstanding candidate with a PhD degree and a proven scientific track record, including high quality peer-reviewed publications and grant applications in the relevant field.

The candidate must prove to have sufficient experience in student supervision and have a customer-oriented mindset. He/She must have excellent skillset in terms of organization, in terms of

communication, and must be able to work independently in- and outside the lab. Previous experience as lab technician or similar activities would be of great interest. Postdoctoral experience abroad will be considered a strong asset. Outside the managerial aspect, it is expected that the candidate possesses scientific skills in terms of experimental design, of conducting experiments and of writing and presenting.

Within our highly interdisciplinary group it is not expected that a candidate possesses a comprehensive background in every area, but previous work in the field of biophysics, biomechanics, microscopy, cell culture, tissue engineering or molecular biology, along with relevant analytical methods will be considered a strong asset.

Practical experience abroad but more importantly, already exciting connection with research centers and researchers in Austria and even in Vienna will be positively evaluated. English and an excellent German language (at least C1 level) are both mandatory.

We provide:

- Interesting research topics within innovative highly interdisciplinary environment promoting curiosity, creativity, innovation and companionship
- Excellent opportunities for personal development in scientifically stimulating surrounding
- Flexible working hours, reconciling career and family, a range of according university services

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

People with special needs are equally encouraged to apply.

Contract information:

Employment starting May 2021, the expected minimum contract duration is 3 years. **The gross monthly salary for the full-time PostDoc position starts at around 3.945,90 €** (paid 14 times per year). The salary and the terms of employment are set in accordance to the collective labor agreement of the Austrian Universities and trade union of public service.

The exact conditions, starting date and the salary will be agreed upon with the individual candidate.

Application documents:

- A motivation letter listing significant achievements, relevant experience referring to the description of this position and indicating preferred start date (no longer than 2 pages)
- CV, including education / internship / employment / publication record / mentoring activities
- Names of three people who could provide a reference, if already available the reference letters can be included with the application

Qualified candidates should apply by sending the above documents by the 15th of May 2021 per e-mail with the subject line “Laboratory Manager Application LifeScope3D” to:
sekretariat+E308@tuwien.ac.at

We look forward to receiving your application and getting to know you personally!
[Institute of Materials Science and -Technology (E308), TU Wien, Getreidemarkt 9, Vienna, Austria]

Important: Applications not providing the requested information will not be considered!

The submitted files should not exceed 5 Mb in total.