

1 Postdoc Position and 2 PhD Positions open at the Additive Manufacturing Technologies group of the TU Wien (Vienna, Austria). Our group has a strong record of accomplishments including a number of peer-reviewed publications, two successful spin-off companies, research / industrial projects and two consecutive ERC Grants (PI Aleks Ovsianikov). The successful candidate will join a highly multidisciplinary research laboratory with excellent infrastructure in the heart of Vienna.



TECHNISCHE
UNIVERSITÄT
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 when it comes to the number of granted patents.



We provide:

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

Available PhD positions:

PhD1 with the thesis topic aimed at the “*Development of an ultra-fast high-resolution 3D Printer for Biomedical Applications*” (please indicate in the application)

Expected Qualifications:

Master degree in mechanical / electrical engineering, applied physics, material science or similar

Practical experience with mechanical design (e.g. AutoCAD Solid Works), optical system design (e.g. Zemax), lasers, electronics, mechatronic, programming or similar would be considered an asset.

PhD2 with the thesis topic aimed at the “*Robotic system for a high-throughput processing of 3D printed microcaffolds for tissue engineering*” (please indicate in the application)

Expected Qualifications:

Master degree in mechanical / electrical engineering, applied physics, material science or similar

Practical experience with robotics and electronics, mechatronic, microfluidic, programming or similar would be considered an asset.

The gross salary for the PhD positions is between 2112 € and 2465 € per month, depending on the weekly employment rate (paid 14 times a year in Austria).

Employment starting around this summer, the exact date will be agreed upon with the candidates.

Post-Doc position: in the fields of tissue engineering, 3D printing of biomaterials and biofabrication.

Expected Qualifications:

PhD in mechanical / biomedical engineering, material science, life sciences or related field

Proven research track record in the above mentioned fields including peer-reviewed publications

Experience in establishing new collaborations and research proposal writing would be advantageous

Practical experience with 3D cell culture, tissue engineering, bioprinting, stem cell handling and differentiation would be considered an asset

The gross monthly salary for the PostDoc position starts at around 3711 € (paid 14 times a year).

Depending on the candidates qualification a 6-year University Assistant contract might be considered after the initial phase.

Employment starting around this summer, the exact date will be agreed upon with the candidate

Application documents:

Qualified candidates should apply by sending a motivation letter listing significant achievements (no longer than 2 pages), CV including education / internship / employment record and names of possible references per e-mail to:

sekretariat+E308@tuwien.ac.at

[Institute of Materials Science and -Technology (E308), TU Wien, Getreidemarkt 9, Vienna, Austria]

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