University Assistant (Prae-Doc)

TECHNISCHE UNIVERSITÄT WIEN Vienna | Austria

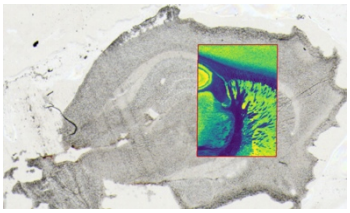
30 working hours, limited to 4 years

At the Institute for Chemical Technologies and Analytics at the TU Wien (Vienna University of Technology), in the Research Division of Imaging and Instrumental Analytical Chemistry, research group Mass Spectrometric Bio- and Polymer Analysis, a position as university assistant is expected to be filled from October 1st, 2020 with the following area of responsibilities.

The research group represents an innovative interdisciplinary team acting in a network of national and international cooperations. Multimodal omics measurements - the ability to simultaneously measure multiple modalities in one experiment or to integrate different types of datasets from multiple experiments - have a great impact in revealing cell functions, discovering relationships across -omes, and recording dynamic biological events. In this PhD project challenges in both experimental design and data analysis especially in the field of imaging will be addressed to advance methodologies from the single cell level to whole tissues by implementing new technologies like mass spec imaging.

Focus - (Multimodal) Imaging Techniques applied in Biosciences:

- Participation in research tasks that aim to expand the possibilities of imaging mass spectrometry in close cooperation with project partners from the medical, biological and technical fields
- Development of new analysis strategies and opening up new areas of application
- Implementation of innovative ideas in the field of multimodal analysis



Your Tasks:

- Participation in associated research projects
- Supervision of students in laboratory exercises of the bachelor and master degree in German and English (technical chemistry, biomedical engineering)
- Participation in other teaching tasks in German and English (seminars, lectures and alike) and exams
- Deepen scientific knowledge
- Participation in scientific events
- Writing a dissertation and publications
- Participation in organizational and administrative tasks of the research group

Your Profile:

- Completion of a master's or diploma course in chemistry, (bio-) physics, biochemistry, biotechnology, computer science, biomedical engineering or an equivalent degree at home or abroad
- Sound knowledge of analytical chemistry is an advantage
- Sound knowledge of handling biological material is recommended
- An advantage is practical experience with imaging methods (microscopy), as well as methods from the field of spectroscopy, mass spectrometry, chromatography
- Experience in dealing with data sets and software solutions for the analysis and presentation of data is an advantage but a basic understanding of statistical data analysis is necessary
- Ability to publish research results in specialist journals and at conferences
- Problem-solving skills and innovative ability
- High team and communication skills
- Didactic skills
- Excellent knowledge of English
- Interest in research in the field and in working with students

We offer:

- Diverse and exciting tasks
- Wide range of internal and external training opportunities as well as flexible working hours
- Central location and easy access (U1/U2/U4 Karlsplatz)

The TU Wien is striving to increase the proportion of women, particularly among academic staff, and is explicitly announcing this position for university assistant (Prae-Doc) for women as part of a special program to promote women.
We strive to employ people with disabilities with the appropriate qualifications and therefore expressly request that you apply. Remuneration is based on the minimum wage for salary group B1 and is at least EUR 2,196.80 gross / month for 30 hours of employment per week. (14 times a year). In case of any questions contact Dr. Martina Marchetti-Deschmann (martina.marchetti-deschmann@tuwien.ac.at)
We look forward to your application by 31.08.2020. Send your online application to Birgit Hahn birgit.hahn@tuwien.ac.at
Applicants are not entitled to compensation for travel and subsistence expenses that arose from the admission process.