A PhD position in Protein Chemistry within the laboratory of Dr. Anne Conibear at TU Wien (Vienna, Austria) is available for a motivated and talented early-career scientist. This PhD position offers the opportunity to develop independence, leadership, and a wide range of research skills, with the support and mentorship of a 'hands-on' supervisor in a small and vibrant international team.

The interdisciplinary project bridges synthetic chemistry, protein biochemistry and structural biology and is funded by an FWF stand-alone grant. The vision is to bring the precision of protein semi-synthesis for installing site-specific posttranslational modifications (PTMs) and stable isotope labels into a cellular context, focusing on the nucleosomal protein HMG1. The unique HMG1 variants synthesised in this project will enable us to probe in vitro and in vivo interactions. A new strategic collaboration with Dr. Hugo van Ingen (Utrecht University) brings complementary expertise in structural biology and in-cell NMR spectroscopy, with opportunities for student exchange.

The position within the Institute of Applied Synthetic Chemistry, at TU Wien is as Project Assistant (Prae-doc) for 3.5 years for 30 hours/week. Expected start: from October 2022 (negotiable). This PhD position is advertised for 3.5 years, starting with a contract duration of 1 year, which will be extended to a duration of 3.5 years, unless the employer submits a non-extension notification after 10 months. The candidate is expected to enrol as a PhD candidate at TU Wien within the first six months.
Responsibilities
The candidate will be involved in the synthesis, purification and analysis of synthetic peptides, as well as expression of proteins, fluorescent and stable isotope labelling, and chemoselective ligations. Participation in scientific dissemination activities, writing of publications, collaboration on research tasks, laboratory and project management skills will be developed. Involvement in teaching activities, such as supervision of laboratory courses and administration is expected.

Requirements
Essential criteria:
• Completion of a master or diploma curriculum in chemistry or biochemistry, or closely related field. (Or equivalent international qualifications for admission to TU Wien doctoral programmes https://www.tuwien.at/en/studies/studies/doctoral-programmes)
• Interest in research in the field of protein chemistry: Curiosity, self-motivation, resilience and willingness to learn.
• Ability to carry out laboratory experimental work and data analysis skilfully and responsibly.
• Enthusiasm for teaching and scientific communication.
• Evidence of good communication and writing ability in English.

Beneficial criteria:
• Experience in any of the following: peptide synthesis, protein expression and purification, mammalian cell culture or protein NMR spectroscopy.
• Knowledge of German for oral and written communication.
• Experience in teaching or laboratory course supervision.

Application procedure (deadline etc.)
How to apply: Please send the application documents listed below as .pdf files by email to anne.conibear@tuwien.ac.at, quoting the reference PhD_P36101_YourSurname as the subject:
• Letter of motivation in English or German (maximum 2 pages), describing your research interests, goals, experience and fit with the selection criteria.
• University degree certificates and transcript (courses and grades).
• Academic curriculum vitae including any publications and/or teaching experience.
• Names and contact details of two referees. (People with whom you have worked closely and who can comment on your attitude, technical skills and collegiality).

We look forward to receiving your application by 31.08.2022.
Contact

For further information, please contact Dr. Anne Conibear by email: anne.conibear@tuwien.ac.at
Website: https://www.ias.tuwien.ac.at/hm/anne-claire-conibear