

The **University of Natural Resources and Life Sciences, Vienna** (BOKU), is the prime Austrian education and research institution for renewable resources, which are a necessity for human life. With its wide range of areas of expertise, it is the task of BOKU to contribute significantly to the protection of life resources for future generations.



The Institute of Organic Chemistry at BOKU is seeking applications for the position of a

PhD-Student in Synthetic Organic Chemistry

Research in the Institute of Organic Chemistry centers on the chemical biology of carbohydrates. Key expertise is the synthesis of glycans and sugar nucleotides, as well as glycan analysis by NMR-spectroscopy. The synthesized glycans are important probes for biochemical experiments that are relevant in the agricultural and biomedical sciences.

Website: <https://boku.ac.at/en/chemie/institut-fuer-organische-chemie-dchoc>.

Project:

- Synthesis of complex oligosaccharides as molecular tools for studying plant cell wall biosynthesis and/or plant immunity

Most relevant experimental methods:

- Synthetic chemistry
- High-pressure liquid chromatography (HPLC)
- NMR-spectroscopy
- Glycan arrays

Required qualifications:

- MSc-degree in chemistry (awarded or expected within the next months)
- Strong experimental skills in synthetic organic chemistry
- High motivation and enjoyment of research
- Confidence in spoken and written English

Please send your application (including CV, information about BSc- and MSc-grades, cover letter and list with names of potential references) to Prof. Fabian Pfrengle (fabian.pfrengle@boku.ac.at). Expected starting date is between 01.02.2022 and 01.05.2022. Applications will be constantly evaluated until the position is filled. Salary is provided according to the Austrian collective agreement for university staff.