Master position available in
"Computational approaches for drug design and structural biology"
Group Orts
University of Vienna

We seek an enthusiastic student to join our dynamic and innovative team in the "BioNMR and Drug Discovery by Advanced NMR Methods" group at the Department of Pharmaceutical Sciences! You will work on an exciting project to explore new approaches in protein–ligand structure determination methods. This is a unique opportunity to make a significant contribution to the field of drug discovery.

You will develop computational technologies for advanced Nuclear Magnetic Resonance (NMR) methods to analyze and predict the molecular interactions between drugs and protein targets. The project lies in computer science, software design, and molecular biophysics interface.

You should have a deep interest in programming (C++ or python) and the will to work with (bio)molecules. The Orts laboratory focuses on structural biology, biophysics, biochemistry, and drug design, within a highly collaborative research environment and the possibility of conducting cutting-edge research.

This project is planned to be completed in a 6-month period. We offer extensive training in structural biology and advance NMR methods, a highly collaborative research environment and the possibility to conduct cutting edge research.

If you are interested in this position, please send your CV and a short motivation letter:
Nicolas Coudevylle
Department of Pharmaceutical Chemistry
Email: nicolas.coudevylle@univie.ac.at

References:

NMR Molecular Replacement Provides New Insights into Binding Modes to Bromodomains of BRD4 and TRIM24.
Torres F *et al*. J Med Chem. **2022** Apr 14;65(7):5565-5574.

Protein-ligand structure determination with the NMR molecular replacement tool, NMR^2.
Orts J, Riek R. J Biomol NMR. **2020** Nov;74(10-11):633-642

Website of the group:
https://bionmr.univie.ac.at