

At the University of Göttingen -Public Law Foundation-, SFB 1633 - Elektronenverschiebung durch Protonen, there is a position as

PhD candidate/Doctoral researcher (all genders welcome)
Entgeltgruppe 13 TV-L/60%

to be filled. Starting date is as soon as possible. The position is limited for a period of three years.

The **CRC 1633** is an interdisciplinary consortium of research groups from molecular synthesis, (photo-/electro-)catalysis, biology, surface and materials science, as well as spectroscopy and theory that started in April 2024. It is funded by the German Research Foundation (DFG). The CRC investigates the physicochemical phenomenon of proton-coupled electron transfer (PCET) in chemical and biological systems in solution and at interfaces. It aims at developing unifying models for PCET across disciplines, as a basis to advance new strategies for energy- and atom-economic redox transformations of renewable and chemically inert feedstock.

Job profile:

In B05 you will investigate in the group of Prof. Dr. Inke Siewert the kinetics and thermodynamics of PCET steps, i.e., $1H+/1e^-$ and $1H+/2e^-$ in dependence of oriented electric fields. Besides the synthesis and characterization of the 3d metal complexes, a special focus is set on the determination of the kinetics of elemental proton, electron and coupled transfer steps. You will deal with various spectroscopic and electrochemical methods relevant in solution chemistry and synthetic methods. You will work in a team of highly motivated researchers and develop an improved understanding of the elementary steps of PCET reactions depending on the oriented electric field.

Your profile:

You must hold a university master's degree in the field of chemistry, with a strong focus in organometallic chemistry/molecular inorganic chemistry. We encourage advanced Master candidates to apply, but completion of the MSc or equivalent university degree will be mandatory prior to employment. You must have a profound knowledge in the synthesis of 3d coordination compounds, working under an inert atmosphere, and spectroscopic methods relevant to characterize species in solution (UV/Vis-, NMR-, IR-Spectroscopy and others). Basic knowledge in molecular electrochemistry is beneficial. You are expected to participate in the structured doctoral program of the CRC and to closely interact with the other PhD students in the program. You will present your work at national and international conferences and are expected to publish in peer-reviewed international journals. A very good knowledge in writing and speaking English is required. German language skills are desirable.

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The university has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The University is particularly committed to the professional participation of severely disabled employees and therefore welcomes applications from severely disabled people. In the case of equal qualifications, applications from people with severe disabilities will be given preference. A disability or equality is to be included in the application in order to protect the interests of the applicant.

Please upload your application in one pdf file including the usual documents until 7/31/2025 on the application portal of the university using this link: <http://obp.uni-goettingen.de/de-de/OBF/Index/75991>. For more information get in touch with Janina Dürr directly via E-Mail: sfb1633@uni-goettingen.de, Tel. +49 551 39 23079 .

Please note:

With submission of your application, you accept the processing of your applicant data in terms of data-protection law. Further information on the legal basis and data usage is provided in the [Information General Data Protection Regulation \(GDPR\)](#)