UNIVERSITÄT BERN

PhD positions in synthetic inorganic chemistry, 100 %

Start date of employment: as soon as possible

The group of Prof. Dr. Sadig Aghazada at the University of Bern invites applications for a PhD position in the area of synthetic inorganic chemistry. The Aghazada group aims to develop novel transition metal complexes, cluster compounds, and reactive extended materials to enable challenging catalytic transformations. Specifically, the catalytic transformation of small molecules into high-value feedstock will be pursued. Students working in the Aghazada group will develop skills in synthesis, working in air and moisture-free conditions, isolation and characterization of reactive compounds, and various spectroscopic and electrochemical techniques.

Selected applicants will be offered an initial contract for one year, with the possibility of prolonging it for an additional three years.

Responsibilities:

- Lead the agreed project: conduct the project, analyze obtained data, and present the results to the group and to the public.
- Assist other group members in their research projects;
- Supervise bachelor and master projects;
- Assist in teaching bachelor and master courses.

Qualifications:

- Master of Science degree (or equivalent) in chemistry, molecular sciences, biochemistry and related fields;
- Strong knowledge of fundamental principles of chemistry;
- Experience within the area of synthetic chemistry and relevant analytical techniques.

We offer a dynamic and supportive environment in a department with state-of-the-art facilities – all the factors for a successful PhD program. Interested candidates should send their application consisting of *(1) Curriculum Vitae, (2) contact details of two previous mentors/senior researchers for references, and (3) a one-page cover letter describing their motivation to embark on a PhD degree*[1] **as a single PDF-file** to Prof. Sadig Aghazada via sadig.aghazada@unibe.ch.

The call is open until filled.

[1] For the preparation of this specific cover letter, we encourage the candidates to avoid using any tools based on large language models and/or any other AI tool in general.