

The DFG-funded **Research Training Group (RTG 2717)**

"Dynamics of Controlled Atomic and Molecular Systems (DynCAM)"

at the **University of Freiburg**

in collaboration with the University of British Columbia (UBC) in Vancouver

offers a

PhD Position

The program of the RTG DynCAM comprises a series of complementary experimental and theoretical projects, investigating and controlling the electron and nuclear dynamics down to the quantum level. **The currently offered PhD project concerns the experimental study of photoionization processes of chiral molecules with circularly polarized light. A special focus lies on chiral asymmetries observed in angle resolved photoelectron spectroscopy of chiral molecules isolated in well cryogenic helium nanodroplets.** The PhD position will be located in the research group of Dr. Sebastian Hartweg and the project will involve collaborations with other research groups of the RTG. Collaborations with UBC offer an international environment with opportunities for extended research stays in Vancouver, Canada. For further information see www.rtg-dyncam.de and <https://uni-freiburg.de/nanophysik/sebastian-hartweg-2/>

We are looking for highly motivated, enthusiastic, and team-oriented candidates that are eager to learn new methods, are passionate about science, and hold a master's degree or equivalent in physics, chemistry, or related areas. A strong background in experimental physics or physical chemistry is important. Experience with Lasers, molecular beam techniques, or advanced spectroscopy is advantageous.

Please send your application as **a single pdf-file** including a letter of motivation, a CV, certificates of your university degree (including grades), a transcript of records and contact details of two references by July 15, 2026.

Send your application to: info@rtg-dyncam.de

The earliest starting date is September 1, 2026; duration of contracts is up to 36 months. The salary corresponds to TV-L E13 (75%), this also includes health insurance and social benefits according to the German labor law.

The University of Freiburg seeks to increase the number of female scientific faculty members and therefore strongly encourages qualified women to apply for the position. The university committed to provide a family-friendly workplace. In case of equal qualification, persons with disabilities will be given preference.