



Postdoc position (f/m/d) in the group of Prof. Frank Stienkemeier, University of Freiburg

In our team we are seeking for a postdoctoral researcher to conduct and lead scientific projects and to develop new research ideas. Our research aims at the study of photochemical processes on the fundamental molecular level. Targets are prepared in molecular and cluster beams. We develop and apply a range of state-of-the-art spectroscopic techniques, ranging from high-resolution spectroscopy, time-correlated single photon counting, femtosecond pump-probe and coherent multidimensional spectroscopy, as well as femtosecond XUV spectroscopy. In addition, we are planning to extend our research towards coherent multidimensional spectroscopy in the condensed phase and of ultracold quantum gases. Some of our recent publications are listed below.

U. Bangert, F. Stienkemeier, and L. Bruder, Nat Commun 13, 3350 (2022).

D. Uhl et al., Optica 8, 1316 (2021).

R. Michiels et al., Phys. Rev. Lett. 127, 093201 (2021).

A. Wituschek et al., Nat Commun 11, 883 (2020).

L. Bruder et al., Nat Commun 9, 4823 (2018).

S. Izadnia et al., J. Phys. Chem. Lett. 8, 2068 (2017).

Candidates should have strong background in Atomic and Molecular Physics or Physical Chemistry. Experience in laser spectroscopy and in the use of vacuum equipment is advantageous. We offer a dynamic research environment in an international research group with good support for junior researchers to build their scientific career. The contract will be initially for 1 year with possible extension up to 6 years. The position offers the possibility for a Habilitation. Applications including a letter of motivation, a CV including a list of publications, university certificates (with grades) and addresses of two referees should be sent in a **single** pdf-file to the contact below. Please indicate the subject "Postdoc 2022" in your email. Application deadline is **August 26, 2022**.

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 is committed to provide a family-friendly workplace. In case of equal qualification, persons with disabilities (Schwerbehinderte) will be given preference.

Contact:**Prof. Frank Stienkemeier**

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