

**Postdoctoral position in Physical Chemistry, group of J. Hauer:  
"Experimental Femtosecond Spectroscopy"**

We are seeking a motivated postdoctoral researcher with a degree in physical chemistry or physics, with expertise in femtosecond spectroscopy. The envisioned starting date is February 2023.

*Brief description:* Our group specializes in time-resolved spectroscopy to tackle challenges in photophysics and photochemistry as well as in material sciences.

(<https://www.ch.nat.tum.de/dynspec/startseite/>). We have installed an amplified fs laser system (Coherent Legend Elite Duo HE+, <25 fs, 2.5 mJ at 5 kHz), seeding a hollow core fiber for whitelight generation. Two more labs are equipped with a Yb-lasers (Pharos PH2 15 W). We now seek a postdoctoral researcher with experience in one or more of the following fields:

- Transient absorption spectroscopy on multiple timescales, fs to  $\mu$ s
- Confocal microscopy using femtosecond pulses
- 2D electronic spectroscopy, coherent and action-detected

*Requirements:* an interest and proven expertise in femtosecond spectroscopy, willingness to undertake routine maintenance work for the amplified laser systems stated above, a competitive publication track record, ability to work as team member, proven capability to supervise and inspire Master- and PhD students, willingness to contribute to teaching activities

We offer:

- A one-year contract for 40 h per week, starting as soon as possible, with the possibility of further (non-permanent) contract extensions
- A vivid research environment at TU Munich, with close connections to an ongoing Collaborative Research Centre (<https://crc325.de/>) and the cluster of excellence e-conversion (<https://www.e-conversion.de/>)

Please contact Jürgen Hauer under: [juergen.hauer@tum.de](mailto:juergen.hauer@tum.de), or 0049-089-289-13420.

Prof. Dr. Jürgen Hauer