

The “Ultrafast Nano-Optics“ group ([www.uol.de/uno](http://www.uol.de/uno)) at the Faculty V - Mathematics and Natural Sciences - of the University of Oldenburg invites applications for the position of a

**Postdoctoral Research Scientist (m, f, d)**  
**“Ultrafast Spin Dynamics”**  
**(E13 TV-L / 100 %)**

for a period of initially 3 years.

In the framework of the Collaborative Research Center SFB 1372 “Magnetoreception and navigation in vertebrates” (<https://www.sfb1372.de>) we will develop new ultrafast spectroscopy techniques to explore spin coherences during radical-pair formation in cryptochromes. The experiments shall provide new insight into the question whether light-induced spin coherences are of relevance for magnetic field sensing of birds. You will be responsible for setting up, performing and analyzing the planned experiments in close collaboration with partners from Oldenburg and Oxford (s. D. Timmer et al., JACS, 145, 11566, 2023). We are offering a scientific environment and infrastructure to perform cutting-edge, interdisciplinary research. You will be encouraged to make use of this infrastructure to establish an independent research profile.

Are you interested in Ultrafast Optics? Quantum Dynamics? Nanoscience? If yes, this might be the right position for you. Feel free to send us informal inquiries if you want to know more.

We are seeking candidates with a qualifying university degree in physics or related areas. We expect competence in at least two areas comprising ultrafast optics, spectroscopy, molecular physics, nano science, and solid-state physics. We expect high motivation, good communication skills and the ability to work in a team.

The University of Oldenburg is dedicated to increasing the percentage of female employees in the field of science. Therefore, female candidates are strongly encouraged to apply. In accordance with Lower Saxony regulations (§ 21 Section 3 NHG) female candidates with equal qualifications will be preferentially considered. Applicants with disabilities will be given preference in case of equal qualification. Full-time positions can be also turned into part-time ones.

Please send your application (including a letter of motivation, curriculum vitae, list of any publications, copies of university certificates) and any questions related to the specific content of this project preferred electronically **as a single PDF file no later than 16.07.2022** to Prof. Dr. Christoph Lienau (Universität Oldenburg, Faculty V, Institute of Physics, 26129 Oldenburg, phone 0441-798 3485, Email: [christoph.lienau@uni-oldenburg.de](mailto:christoph.lienau@uni-oldenburg.de))