The Faculty of Science, Department of Physics, Integrated Quantum Optics Group, offers the position of

Postdoc
(pay scale 13 TV-L)

This Postdoc position is advertised within the framework of the European project “Quantum Controlled Ultrafast Multimode Entanglement and Measurement (QCUMbER)”. (For further details: [https://qcumber.physics.ox.ac.uk/](https://qcumber.physics.ox.ac.uk/))

The position (full-time) is to be filled as soon as possible and limited to the duration of the project (end: August 2018), according to the German law “Wissenschaftszeitvertragsgesetz” for fixed term contracts within third party funding. The opportunity of further scientific qualification is given.

Position Profile:
The position will investigate the generation, characterization and manipulation of the temporal modes of ultrafast pulsed quantum light. Our approach uses tailored non-linear waveguides and explores the potentials and limits of temporal mode encoding for different quantum applications.

Your Profile:
Applicants must have a PhD in physics or in a related relevant subject at the time of appointment (expected September 2016). Experience in quantum optics, ultrafast optics and integrated optics is highly desirable.

Applications from women are particularly welcome and, in case of equal qualifications and experience, will receive preferential treatment according to state law (LGG). Qualified disabled people (in the sense of the German social law SGB IX) are also encouraged to apply. Part-time employment is possible in general.

Please send your application by **06 July 2016** with reference **2537** to:

Prof. Dr. Christine Silberhorn  
University of Paderborn  
Faculty of Science  
Department of Physics  
Warburger Straße 100  
D-33098 Paderborn  
christine.silberhorn@upb.de

[www.upb.de](http://www.upb.de)