



## Research Training Group for Nano- and Energy Research

Excellent PhD qualification in nano and energy research  
at the University of Oldenburg

Carl von Ossietzky University Oldenburg is an internationally active, interdisciplinary, and renowned research university delivering innovative impulses for science and industry. The promotion and support of early-career scientists is an integral objective of the university. With two discipline-specific Graduate Schools and an umbrella Graduate Academy, the University provides an excellent environment for young scientists.

The newly established Research Training Group (RTG) “**Nano- and Energy Research**” is aiming at investigating the molecular basis of energy conversion processes in nanostructures. The research projects have a strongly interdisciplinary character involving both project leaders and students from Biology, Chemistry, and Physics. The research topics are focused on fundamental problems in the conversion of light into electric and/or chemical energy, energy storage, as well as magneto- or chemo-reception. Projects encompass the fabrication of nanostructures, analytical microscopy of their morphology and composition, as well as the spectroscopic detection and characterization of energy conversion, in particular on ultrafast time scales. In close collaboration with the Hochschule Emden/Leer, the RTG at the University of Oldenburg offers broad and comprehensive education and training in all the pertinent experimental and theoretical methods. With this, we expect to gain an in-depth microscopic understanding of existing physically and chemically relevant model systems as well as to generate ideas for the development of radically new conversion systems.

The State of Lower Saxony, Germany supports the graduate school “**Nano- and Energy Research**” with

### 15 Georg Lichtenberg PhD scholarships

**Start: October 1<sup>st</sup>, 2014** (each scholarship is funded for 3 years)

The program calls for students who have completed a Master or Diploma degree in Physics, Chemistry or Biology or related subjects with excellent grades. Successful candidates are expected to work on interdisciplinary PhD projects, and a good command of English is required.

Specific topics and projects as well as details about the application procedure are available at the website of the graduate school ([www.uni-oldenburg.de/nanoenergy](http://www.uni-oldenburg.de/nanoenergy)). Applicants should indicate the ranking of their three preferred projects.

The documents required for application are listed at [www.uni-oldenburg.de/nanoenergy](http://www.uni-oldenburg.de/nanoenergy). Applications can be sent electronically to [nanoenergy@uni-oldenburg.de](mailto:nanoenergy@uni-oldenburg.de) or by mail to Prof. Dr. Christoph Lienau, Fakultät V, AG Ultraschnelle Nano-Optik, Carl-von-Ossietzky-Str. 9-11, D-26129 Oldenburg, Germany.

Deadline is **August 15<sup>th</sup>, 2014**.