



**Research Training Group / Graduiertenkolleg GRK 2274
“Advanced Medical Physics for Image-Guided Cancer Therapy”**

**1 PhD Position (Physicist) available on
“Treatment planning for interstitial Photodynamic Therapy”**

In a joint initiative of the Physics and Medical Faculties of the Ludwig-Maximilians-Universität München (LMU) and the Technische Universität München (TUM) as well as the Helmholtzzentrum München, the Research Training Group / Graduiertenkolleg GRK 2274 “Advanced Medical Physics for Image-Guided Cancer Therapy” funded by the German Research Foundation (DFG) will become operational on October 1st, 2017. (Speaker: Prof. Dr. Katia Parodi, Vice Speaker: Prof. Dr. Franz Pfeiffer)

In this context, the LFL / LIFE Center at the Hospital of Munich University offers a PhD position in Laser medicine and Biophotonics (Project: C6). Within the scope of this project, novel techniques to derive optical parameters of biological tissue shall be developed. These parameters are a prerequisite for treatment planning for interstitial photodynamic therapy (PDT) as well as for spectral online-monitoring during treatment.

Your qualification:

- Master of Science (Physics, Biomedical engineering, Photonics)

Your skills and interest:

- Experimental and technical skills and interest in optical set-up and instrumentation.
- Interest in interdisciplinary work and scientific ambition.
- Knowledge in optical technologies and clinical imaging methods.

We offer:

- Attractive research environment.
- Interdisciplinary cooperation (within the project as well as within the Graduiertenkolleg).
- A dynamic team with interdisciplinary background.

Ideal candidates should hold a highly ranked Master of Science (MSc) in Physics, Biomedical Engineering, or Informatics, be fluent in English, have knowledge of medical physics, and possess technical proficiency, scientific creativity, fast adaptation to new problems, and the capability of fruitful collaboration with international and multidisciplinary working teams. Prior experience in software programming and Linux and Windows operating systems is favorable. Disabled candidates are preferentially considered in case of equal qualification. Applications from women are encouraged.

To apply for a position, please send your electronic application (**letter of motivation, curriculum vitae, last school certificate and university degree, publication list, other qualification certificates like TOEFL, and two recommendation letters or references**), preferably in PDF format, via our online submission system at:

<http://portal.graduatecenter-lmu.de/ocgc/grk2274>

For further information about the project, please contact:

PD Dr. Ronald Sroka, phone: +49 89 4400 74879, Ronald.Sroka@med.uni-muenchen.de
Dr. Adrian Rühm, phone: +49 89 4400 74882, Adrian.Ruehm@med.uni-muenchen.de