Are you interested in applying physical and (radio)chemical methods in cancer research? The German Cancer Research Center (DKFZ) in Heidelberg, Germany’s largest biomedical research institute, has its own multidisciplinary research program dedicated to “Imaging and Radiooncology”. This research program is concerned with introducing new findings, methods and technologies into the diagnosis and treatment of cancer. Physicists, mathematicians, computer scientists, engineers, biologists, pharmacists and chemists strongly collaborate to tailor tumor treatment to the individual patient and to improve possibilities of local and systemic tumor control.

**Main research activities are focused on:**
- Development of novel approaches in diagnostics and therapy, based on physical methods
- Non-invasive imaging technologies such as CT, MRI, PET/CT, and PET/MRI
- Development of techniques for precision radiation therapy techniques like IMRT, IGRT, MR-guided radiation therapy, proton and ion beam therapy
- Radiotracer and radiopharmaceutical drug development including radiochemical and radiobiological approaches to achieve efficient targeting of cancer cells
- Transfer of novel systemic diagnostic and therapeutic methods into a clinical setting for the benefit of cancer patients

More information about the groups and their research can be found at [www.dkfz.de/research](http://www.dkfz.de/research)

Full funding is provided for the duration of the PhD.

To apply online to the International PhD Program visit [www.dkfz.de/phd](http://www.dkfz.de/phd)

If you are interested in doing your PhD in the field of medical physics and/or radiopharmaceutical sciences, why not join the International PhD Program at the DKFZ?

**Application deadlines**
15. May and 15. December