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## Press Release

13th October 2009

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### OncoRay Scientist represents Saxon radiologists



Dresden: The leader of the research group for diagnostic imaging of the OncoRay - Center for Radiologic Research in oncology took office as President of the Saxon Radiologic Society (SRG) on 26.9.2009 during the annual meeting. One year ago he was elected into the board of directors as president elect. PD Dr. Dr. Nasreddin Abolmaali represents Saxon radiologists to promote radiologic diagnostics, radiooncology, nuclear medicine and radiation protection in science and praxis.

During the coming two years PD Abolmaali will push on the aims of the society. Beside the consultation of radiological professional bodies and the cooperation with the Free State of Saxony, the municipalities and other institutions of the health care system, the basic and further education in radiology shall be promoted, including the professional medical education. This includes assistant medical technicians in radiology, scientists, medical physicists and technicians.

As group leader for Biologic and Molecular Imaging at OncoRay, PD Dr. Dr. Abolmaali, optimizes and evaluates clinical imaging protocols, which display biological processes within tumors. Therefore he uses known imaging methods such as positron emission tomography (PET), computed tomography (CT), magnetic resonance imaging (MRI) separately or in combination to have a look inside the body without a surgery. "In our institute, we apply PET/CT for years in research and care" says Abolmaali. This highly specialized imaging method combines positron emission tomography and computed tomography to create three-dimensional images of cancers inside the body. The biological characteristics of individual tumors become visible, which is of good use for medical care but also for fundamental research in oncology. Experimental Imaging is carried out besides of patient based surveys. OncoRay has built his own Imaging Laboratory including Micro CT, Micro PET and Optical Imagers.

"Especially the fusion of morphological, functional and metabolic imaging and extensive data analyses, which we provide to radiooncologists show the importance of integration of new imaging methods and their clinical evaluation, to use them for the good of patients, not only in Saxony. Furthermore, radiology proves its great potential of innovation and high attractiveness for the next generation of doctors. We implement the aims of the SRG, when we provide patients and doctors with state-of-the-art technology, intensive education, fast and reliable evaluations and highest reporting quality in time.

OncoRay was founded 2005 within the scope of the Federal ministry of education and sciences (BMBF) competition "Create excellence – ensure talents". The founders are the University of Technology Dresden, the Research Center Dresden-Rossendorf and the University Hospital of Dresden. It is part of the Faculty of Medicine. OncoRay



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employs currently 50 people and is supported by the Federal and Saxon ministries of education and science.

It is the vision of OncoRay to promote medical care for cancer patients through biological, individualized, technologically optimized radiotherapy. Radiotherapy is a highly effective method to destroy the primary tumor and diminish the risk of metastases, the latter representing the final stage of a cancer. In contrary to other methods, radiotherapy can be controlled exactly within time and space. There is no other means of treatment in sight to replace radiotherapy. The significance and efficiency of radiotherapy will increase in the future due to further physical-technological development of high precision-therapy methods and by the integration of modern elements of biological research. This allows an individualized approach towards the individual patient. Prerequisite is the transdisciplinary cooperation of most modern biology, physics and medicine.

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