TECHNISCHE UNIVERSITÄT DRESDEN

Pressestelle

Presseinformation

Joint Centre for Radiation Oncology Research on the Medical Campus

As part of the Saxon State Excellence Initiative, the Technische Universität Dresden has planned the construction of a centre for patient-oriented radiation research in oncology and the development of the necessary medical high-tech products on its medical campus.

The spokesmen of the Joint Centre for Radiation Research in Oncology, Prof. Dr. Michael Baumann and Prof. Dr. Roland Sauerbrey, are pleased to announce that: "With the jury's decision today to fund the centre within the Excellence Initiative of the Free State of Saxony, our ambitious project can now make the essential step forward ".
"The centre will include a high-tech developmental platform for more than 100 scientists from different faculties and institutes, and that will set standards", says Prof. Baumann. "There is a high potential for important work in the development and improvement of cancer therapies."

A key project is the development of new laser-based radiation therapy devices for proton and ion beams, which can be expected to show significant improvements in the future. The new technology will be operational within about ten years, and will be then made internationally available. With the completion of the new building, one of the latest reference proton beam devices will be accessible for the treatment of cancer patients in Saxony and the region.

Cancer is the second leading cause of death in all developed industrial nations. At the moment, in Germany alone, more than 436,000 people get the disease every year, and 210,000 people die from it. It is expected that within the next 10 to 15 years, malignant tumours will replace cardiovascular diseases as the most common cause of death.

Technically optimal and biologically individualised radiation therapies have the potential to significantly improve the treatment of cancer in the future. The Technische Universität and its partners, the Universitätsklinikum Carl Gustav Carus and the Research Centre Dresden-Rossendorf, have an internationally recognised competence in the field of radiation research in oncology, which includes modern methods of molecular imaging. This is particularly true of the Centre for Innovation Competence ZIK OncoRay, which has been in existence since 2004 and is a cooperation between the same partners, and has been funded by the Federal Ministry of Education and Research (BMBF). The new centre builds on the success of ZIK OncoRay, and creates the conditions for Dresden to take a lasting internationally leading position in patient-oriented radiation research and the development of the high-tech devices necessary for it.

Information for journalists:
Prof. Dr. Michael Baumann
Tel. +49 (351) 458-5292
E-Mail: michael.baumann@oncoray.de

Postadresse
Pressestelle der TU Dresden
01062 Dresden

Besucheradresse
Nöthnitzer Straße 43
Zimmer 1-11 und 22
Tel. 0351 463-32398
Fax 0351 463-37165

Internet
http://tu-dresden.de
E-Mail
pressestelle@tu-dresden.de