



# bionection

## Call for projects in Cancer Imaging Research

The format **bionection meets...** continues single topics of the partnering conference **bionection** to deepen them together with a project partner. The aim of this event series is to pursue and develop the topics also beyond the two conference days. Selected participants - from basic research to application - will be invited to this exclusive workshop.

The Cluster for Innovation in Smart Medical Devices and Therapies (SMDT) run by biosaxony is collaborating with OncoRay – National Center for Radiation Research in Oncology to support international companies, StartUps and Research Groups in clinical development. On 16th of April 2019 OncoRay opens its labs, databases and other assets relevant for the development of new devices, software and methods especially in the field of imaging.

Through the bionection industry workshop we would like to establish consortia for the development and evaluation of your concepts. Therefore we are looking for teams with new ideas in:

- preclinical imaging (optical imaging; ultrasound CT and MRI in small animals)
- orthotopic tumor models (especially lung and brain tumors)
- systematic comparison of orthotopic and heterotopic models
- 3D and 4D imaging techniques for high-precision radiation therapy of (mobile) tumors
- fiducial markers for tumor demarcation in photon or proton beam radiation
- development of methods to predict the presence and extent of microscopic tumor extension
- investigating the effectiveness of proton therapy in comparison with classical radiation therapy using photons

The participants will discuss their ideas in a pecha kucha style presentation. The workshop is free of charge but the access is restricted to a limited number of selected participants. To apply for the event, please send us a one-pager containing non-confidential information on your company/research group, your idea/product and resources needed (e.g. access to databases, clinical expertise,...) for the further development. Deadline for the application is 1st of March 2019. The selected participants get their invitation until 15th of March.

**Please send applications and questions regarding the event to:  
Vicky Tröger, [events@biosaxony.com](mailto:events@biosaxony.com).**

## About OncoRay

OncoRay – National Center for Radiation Research in Oncology combines cancer research across the boundaries of disciplines and institutions for the benefit of patients. The vision its scientists pursue is to significantly improve the treatment of cancer by administering radiation therapy that is biologically personalized and technically-optimized. At OncoRay, about 80 scientists cooperate in cross-disciplinary research groups focusing on medicine, physics, biology and information science. The focus of activities is translational research from bench to bedside (2D/3D cell cultures animal models clinical trials), which means that lab results should reach the patient as quickly as possible. OncoRay combines the strengths of the three supporting institutions: University Hospital Carl Gustav Carus Dresden, Medical Faculty Carl Gustav Carus of the Technical University Dresden and Helmholtz-Zentrum Dresden - Rossendorf (HZDR).

[www.oncoray.de](http://www.oncoray.de)



## About biosaxony

biosaxony is the Saxon association for the biotechnology and medical engineering sector, whose members include the various corporations and companies, scientific institutions, lobbyists and suppliers working in biotech. biosaxony's responsibilities include initiating projects between industry and research, pinpointing services and know-how, and highlighting regional expertise in order to support the value-added development of these cross-cutting technologies and strengthen Saxony's economy. Another of its main aims is to support young, innovative companies. biosaxony is a member of the go-cluster program and has been awarded the Silver Label of the European Cluster Excellence Initiative.

[www.biosaxony.com](http://www.biosaxony.com)



medtech



biotech

**biosaxony**



Die Maßnahme wird mitfinanziert mit Steuermitteln auf Grundlage des von den Abgeordneten des Sächsischen Landtags beschlossenen Haushalts.

Kindly supported by



WIRTSCHAFTSFÖRDERUNG  
SACHSEN