

## Radiotherapy Physics (13:45 - 15:00)

*Steffen Greilich (Heidelberg):* libamtrack - A collaboration project to establish a software framework for the computation of cell survival in therapeutic particle beams

*Christian Karger (Heidelberg):* Response of tumors and normal tissues to carbon ions

*Bernhard Rhein (Heidelberg):* Commissioning dosimetry for IMRT dose calculations

*Günther Hartmann (Heidelberg):* A simulation program for the calibration of linear accelerators

*Simeon Nill (Heidelberg):* Research and developments in Image Guided Radiotherapy at DKFZ

## Poster presentations with coffee (15:15 - 16:00)

## Site visits (16:00 - 18:00)

Radiotherapy at DKFZ (Primate, Siemens Artiste accelerators)

Radiotherapy at the University hospital (Siemens Artiste, Tomotherapy HiArt)

Heidelberg Ion Therapy center (HIT)

## Third Polish-German Cancer Workshop

The Polish-German Cancer Workshops were initiated by the Alumni Association of the German Cancer Research Center in 2008 to stimulate scientific cooperation between these two geographically and politically closely related countries. The workshops take place alternatively at the DKFZ in Heidelberg and at the Maria Skłodowska-Curie Memorial Cancer Center and Institute of Oncology in Gliwice. Just like the first, the third workshop will precede the biannual General Alumni Meeting at the DKFZ in Heidelberg. The workshop will be devoted to basic aspects of cell and tumor biology, and to translational research in radiobiology and radio-oncology, areas in which strong groups exist in both places.

We cordially invite all interested colleagues to attend the third Polish-German Cancer workshop in Heidelberg. We also encourage attending scientists to present recent results of research related to the topics of the workshop as posters (90 cm width x 120 cm height). These posters will not only be exhibited at the workshop, but also during the following General Alumni Meeting, and will be included into the poster competition. The posters will be discussed during the workshop and after the plenary session of the General Alumni Meeting on Friday afternoon. Three poster awards will be provided (300 Euro each, plus travel grants of 200 Euro for participants from European, and 300 Euro from countries outside of Euro).

### Registration and Call for Abstracts

We ask all interested scientists who plan to participate in the Polish-German Cancer Workshop to register by **June 1, 2010**, and those who intend to present posters to submit the title and a short abstract (about one page) by then as well. **Participation in the scientific and social program is free of registration fees.**

Registration is possible either by Fax reply (form can be downloaded from [www.dkfz.de/alumni](http://www.dkfz.de/alumni)) or online via [www.lab-alumi.de/meeting\\_2010](http://www.lab-alumi.de/meeting_2010).

## 3rd Polish-German Cancer Workshop



June 16 - 17, 2010

Deutsches Krebsforschungszentrum  
Heidelberg

Communication Center

Wednesday, June 16, 2010  
Communication Center, K1/K2

## Cell and Tumor Biology

*chairs: Aurelio Teleman, Piotr Widłak*

### Opening remarks (14:00)

*Otmar D. Wiestler (Heidelberg):* Basic research as a driving force for translation into cancer medicine

### Tumor Biology (14:15 - 15:35)

*Barbara Jarzab (Gliwice):* Comparative genomics of endocrine tumors

*Stefan Pfister (Heidelberg):* Genomic profiling of childhood brain tumors

*Krzysztof Szyfter (Poznań):* Molecular markers of re-occurrence in head and neck tumors.

*Frank Roesl (Heidelberg):* The role of innate immunity during HPV-induced carcinogenesis

### Coffee break

### Cell Biology (15:50 - 16:30)

*Dorota Ściegłińska (Gliwice):* The HSPA2 gene – functions in cancer cells and normal somatic cells.

*Witold Konopka (Heidelberg):* miRNA loss enhances learning and memory in mice

### Dinner at Communication Center DKFZ (18:00)

Thursday, June 17, 2010  
Communication Center, K1/K2

## Radiobiology, Radiooncology and Radiotherapy Physics

*chairs: Wolfgang Schlegel, Rafał Tarnawski*

### Opening remarks (9:00)

*Bogusław Maciejewski (Gliwice):* Are we ready to integrate cancer biology and clinics into TERAGNOSTIC ONCOLOGY?

### Radiobiology (9:15 - 11:15)

*Joanna Rzeszowska-Wolny (Gliwice):* The role of miRNA in cellular response to ionizing radiation

*Rafał Suwiński (Gliwice):* Predicting the effect of accelerated postoperative radiotherapy in head and neck cancer based on molecular marker profiles: data from p-CAIR randomized trial

*Piotr Widłak (Gliwice):* Application of mass spectrometry-based blood proteome pattern analysis in prediction of acute radiation injury response in head and neck cancers patients

*Rafał Tarnawski (Gliwice):* Protecting neural stem cells: a comparative dosimetric study on a new concept of reducing neurotoxicity of prophylactic cranial irradiation

*Christian Schwager (Heidelberg):* Analysis of Omics and High-Throughput Data in Molecular RadioOncology

*Stefan Muschal (Heidelberg):* Shared targets of Endogenous Angiogenesis Inhibitor Angiostatin and Ionizing Radiation

*Katarzyna Galwas-Kliber (Gliwice):* Response of a transplantable mouse mammary carcinoma to single doses of accelerated carbon ions

*Geeta Sharungbam (Heidelberg):* Transcriptional Profiling of Cellular Response to Particle Beam Therapy

### Coffee break

### Radiooncology (11:30 - 13:00)

*Aleksandra Grzadziel (Gliwice):* Treatment planning in dynamic technics: IMRT and Arc-IMRT

*Krzysztof Składowski (Gliwice):* Definitive accelerated radiation therapy gives high rate of tumor-cure with organ-preservation both in T1-2 and selective, small volume T3-4 larynx cancer patients

*Jerzy Wydmański (Gliwice):* Comparison of preoperative radiochemotherapy with postoperative radiochemotherapy for adenocarcinoma of the stomach

*Falk Roeder (Heidelberg):* IORT Research In Heidelberg

*Peter Huber (Heidelberg):* Physical and Biological Precision in Radiation Oncology

*Christian Thieke (Heidelberg):* Functional and molecular imaging for radiotherapy - rationale and realization

### Lunch