



11.00–12.00 Opening Session

Room Lecture Hall

Chairs M. Baumann (Heidelberg), F. Wenz (Freiburg), G. Nettekoven (Bonn)

As special guests we welcome Anja Karliczek, Federal Minister of Education and Research, as well as Theresia Bauer, Minister of Science, Research and the Arts Baden-Württemberg.

12.00–18.00 Poster Exhibition

12.30–14.10 Session 1 | Prevention and Early Detection

Room Lecture Hall

Chairs M. Kiechle (Munich), P. Albers (Düsseldorf)

12.30 How many cancer cases could be avoided? The fraction of cancer attributable to modifiable risk factors in Germany
U. Mons (Heidelberg)

12.55 Lung cancer screening by low-dose CT – recent findings from randomized trials, and perspectives for the introduction of screening in Germany
H.-U. Kauczor, R. Kaaks (Heidelberg)

13.20 The dynamics of metastatic spread
C. Klein (Regensburg)

13.45 Hereditary breast and ovarian cancer as a paradigm for risk-adjusted prevention and targeted therapy
R. Schmutzler (Cologne)

14.30–15.30 Q&A with the Poster Authors

During the Q&A session, the poster authors will be available in the poster exhibition area to answer questions and get in lively discussion.

14.30–16.00 Workshops

● SCIENTIFIC PROGRAM | MONDAY, 4th FEBRUARY

16.20–18.00 Session 2 | Personalized Oncology

Room Lecture Hall

Chairs A. Eggert (Berlin), M. Schuler (Essen)

16.20 Translating liver cancer biology – from functional target discovery to academic drug discovery and development
L. Zender (Tübingen)

16.45 Implementing personalized lung cancer care in clinical routine
J. Wolf (Cologne)

17.10 Innovative treatment strategies in radiooncology using biomarker stratification
M. Krause (Dresden)

17.35 From genome sequencing to translational oncology: the Heidelberg experience
P. Lichter (Heidelberg)

18.00–21.00 Networking Dinner in the Foyer



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**08.30–10.30** [Session 3 | Imaging and Image-guided Therapy](#)

Room Lecture Hall

Chairs H.-P. Schlemmer (Heidelberg), R. Engers (Neuss)

08.30 Small molecule inhibitors for tumor imaging and therapy
U. Haberkorn (Heidelberg)

09.00 Imaging for radiation treatment planning and monitoring in lung cancer
A. Grosu (Freiburg)

09.30 Intravital microscopy – a window into cancer resistance and immunotherapy
P. Friedl (Nijmegen/NL; Houston, TX/US)

10.00 Seeing is believing? Making sense of radiomics
A. Zwanenburg (Dresden)

08.30–16.00 [Poster Exhibition](#)**10.45–11.45** [Q&A with the Poster Authors](#)

During the Q&A session, the poster authors will be available in the poster exhibition area to answer questions and get in lively discussion.

10.45–12.15 [Workshops](#)**12.30–14.30** [Session 4 | Tumor Immunology and Immunotherapy](#)

Room Lecture Hall

Chairs D. Jäger (Heidelberg), M. Bornhäuser (Dresden)

12.30 Adoptive T-cell therapy
T. Blankenstein (Berlin)

12.54 Challenges in brain tumor immunotherapy
M. Platten (Mannheim)

13.18 Individualized cancer immunotherapy – beyond targeting neoantigens
U. Sahin (Mainz)

13.42 Checkpoint blockade – lessons learned in melanoma
D. Schadendorf (Essen)

● SCIENTIFIC PROGRAM | TUESDAY, 5th FEBRUARY

14.06 Development of personalized treatment and novel imaging approaches for T-cell based immunotherapies in cancer
A. Krackhardt (Essen)

14.40–16.20 **Session 5 | New Target Structures in Tumor Therapy**

Room Lecture Hall

Chair M. Essers (Heidelberg), M. Hallek (Cologne)

14.40 Cell plasticity in colon carcinogenesis
F. Greten (Frankfurt)

15.05 Liquid biopsy – clinical applications and current challenges
K. Pantel (Hamburg)

15.30 EMT and cell plasticity – driving force and therapeutic target in metastasis
T. Brabletz (Erlangen)

15.55 Targeting the microenvironment in myeloid malignancies
R. Schneider-Kramann (Aachen)

16.25–16.45 **Concluding Remarks and Farewell**

Room Lecture Hall

Chairs M. Baumann (Heidelberg), F. Wenz (Freiburg), G. Nettekoven (Bonn)



14.30–16.00 **Workshop 1 | Immunotherapy Screenings and Biomarker**

Room DKFZ Main Building H2.02.073
N. Halama (Heidelberg), J. Becker (Essen)

14.30 Part 1 | Predominance of terminally differentiated T-cells among tumor infiltrating lymphocytes impair response to PD-1/PD-L1 inhibition in Merkel cell carcinoma
J. Becker (Essen)

15.15 Part 2 | Immunotherapy for gastrointestinal solid tumors
N. Halama (Heidelberg)

14.30–16.00 **Workshop 2 | AI and Big Data in Oncology**

Room A0.105/106 at ATV Building
O. Stegle (Heidelberg), J. Korbelt (Heidelberg)

14.30–16.00 **Workshop 3 | Preclinical Animal Tumor Models – Status Quo, Challenges, Perspectives**

Room Lecture Room 001/EG at ZMBH Building
H. Augustin (Heidelberg)

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CONGRESSMANAGEMENT

● WORKSHOPS | TUESDAY, 5th FEBRUARY

10.45–12.15 [Workshop 4 | Stem Cell Features in Cancer](#)
Room DKFZ Main Building H2.02.073
A. Trumpp (Heidelberg)

10.45–12.15 [Workshop 5 | Patient-derived Tumor Organoid Models](#)
Room A0.105/106 at ATV Building
H. Farin (Frankfurt), T. Seidlitz (Dresden)

10.45–12.15 [Workshop 6 | Organoid and Reprogramming Technologies to Model Brain Disorders and Cancer](#)
Room DKFZ Main Building H2.04.073
M. Mall (Heidelberg), J. Ladewig (Mannheim)