

● SCIENTIFIC PROGRAM

18 October 2021

- 2:00 - 2:15 PM **Welcome**
M. Baumann (Heidelberg)
G. Nettekoven (Bonn)
T. Seufferlein (Ulm)
A. Karliczek (Federal Minister of Education and Research)
- 2:15 - 2:30 PM **German Prize for Cancer Prevention Research**
Chair: M. Baumann (Heidelberg)
- 2:30 - 3:35 PM **Plenary Session: Cancer Prevention**
Chair: K. Steindorf (Heidelberg)
M. Heikenwälder (Heidelberg)
- 2:30 PM **A novel approach to prevent most colorectal cancers**
H. Brenner (Heidelberg) - Awardee "German Prize for Cancer Prevention Research for established researchers"
- 2:45 PM **Artificial intelligence for detection of molecular alterations in solid tumors**
J. Kather (Aachen) - Awardee "German Prize for Cancer Prevention Research for young talents"
- 3:00 PM **Exercise is medicine - A spotlight on the kynurenine pathway**
P. Zimmer (Dortmund)
- 3:15 PM **Q&A**
- 3:35 - 3:45 PM **Coffee Break & move to breakout rooms**

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Workshops 18 October 2021 3:45 PM - 5:00 PM [pre-registered participants only]

WS: Molecular Prevention: From Preclinical Models to Translation

Chair: M. Heikenwälder (Heidelberg)
M. Hofmann (Freiburg)

WS: Data Driven Medicine

Chair: M. Börries (Freiburg)
C. von Kalle (Berlin)

WS: Cancer Immunotherapy

Chair: M. Hölzel (Bonn)
P. Beckhove (Regensburg)

WS: Epigenetic Medicine in Cancer

Chair: M. Lübbert (Freiburg)
C. Flotho (Freiburg)
C. Müller-Tidow (Heidelberg)

WS: New Chemical Biology

Chair: E. Wolf (Würzburg)
M. Eilers (Würzburg)

WS: Molecular Tumor Board

Chair: S. Lassmann (Freiburg)
N. Ortiz-Bruechle (Aachen)

WS: Digital Pathology and AI

Chair: P. Boor (Aachen)
F. Klauschen (München)
H. Muti (Aachen)
N. Zebre (Berlin)

WS: Theranostics and Tumor-Targeted Drug Delivery

Chair: T. Lammers (Aachen)
F. Mottaghy (Aachen)

WS: Aging & Cancer - Towards Understanding The Major Risk Factor For Cancer

Chair: M. Funk (Heidelberg)
M. Rodriguez-Paredes (Mainz)

WS: Patient-oriented Research on Cancer-associated Fatigue

Chair: K. Steindorf (Heidelberg)
M. Schmidt (Heidelberg)
M. Rose (Berlin)

WS: Interpretation of Sequencing Data for Personalized Medicine

Chair: L. Illert (Freiburg)
P. Horak (Heidelberg)

WS: Centers for Personalized Medicine (ZPM) - An Innovative Research Structure

Chair: J. Duyster (Freiburg)
N. Malek (Tübingen)

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5:00 PM - 5:10 PM **Coffee Break**

5:10 PM - 6:20 PM **Plenary Session: Basic Cancer Research**

Chair: R. Knüchel-Clarke (Aachen)

C. Falk (Hannover)

- 5:10 PM **Prospective interrogation of genetic interactions driving in vivo cancer evolution**
R. Rad (München)
- 5:25 PM **The L-amino acid oxidase IL4I1 is a metabolic immune checkpoint that promotes tumor progression**
C. Opitz (Heidelberg)
- 5:40 PM **Differential impact of checkpoint therapies on T-cell exhaustion**
B. Bengsch (Freiburg)
- 5:55 PM **Q&A**
- 6:15 PM **Wrap up**

19 October 2021

9:00 AM- 10:10 AM **Plenary Session: Preclinical Cancer Research**

Chair: M. Eilers (Würzburg)

M. Böttries (Freiburg)

- 09:00 AM **Welcome back**
- 09:05 AM **Targeting metabolic immune checkpoints to overcome therapy resistance in experimental brain metastasis**
L. Sevenich (Frankfurt)
- 09:20 AM **Translational research to cure leukemia patients undergoing allogeneic hematopoietic cell transplantation**
R. Zeiser (Freiburg)
- 09:35 AM **Novel CAR T-constructs for the treatment of multiple myeloma and B-cell Non-Hodgkin's lymphoma**
U. Höpken (Berlin)
- 09:50 AM **Q&A**
- 10:10 AM - 10:15 AM **Coffee Break & move to breakout rooms**

● SCIENTIFIC PROGRAM

19 October 2021: 4 parallel poster sessions:

- 10:15 AM- 11:15 AM **Poster Session: Cancer Prevention**
Chair: K. Steindorf (Heidelberg)
M. Heikenwälder (Heidelberg)
- 10:15 AM - 11:15 AM **Poster Session: Basic Cancer Research**
Chair: C. Falk (Hannover)
- 10:15 AM - 11:15 AM **Poster Session: Preclinical Cancer Research**
Chair: K. Böttcher (Heidelberg)
M. Eilers (Würzburg)
- 10:15 AM - 11:15 AM **Poster Session: Early Clinical Cancer Research**
Chair: A. Eggert (Berlin)
F. Wenz (Freiburg)
- 11:15 AM - 11:20 AM **Coffee Break**
- 11:20 AM - 12:25 PM **Plenary Session: Early Clinical Cancer Research**
Chair: A. Eggert (Berlin)
F. Wenz (Freiburg)
- 11:20 AM **CAR T-cells - Development and translation**
C. Rössig (Münster)
- 11:35 AM **Pathomechanistic imaging of tumors**
F. Kiessling (Aachen)
- 11:50 AM **Integration of molecular tailored treatment options in stratified tumors**
L. Illert (Freiburg)
- 12:05 AM **Q&A**
- 12:25 PM - 12:30 PM **Closing Remarks**
M. Baumann (Heidelberg)