

DIRECTIONS



CONGRESS PRESIDENTS

Michael **Baumann**, German Cancer Research Center, Heidelberg
 Franz **Kohlhuber**, German Cancer Aid, Bonn
 Michael **Ghadimi**, German Cancer Society, Berlin

SCIENTIFIC PROGRAM COMMITTEE

Titus **Brinker**, Heidelberg
 Oliver **Bruns**, Dresden
 Marieke **Essers**, Heidelberg
 Matthias **Fischer**, Cologne
 Peter **Friedl**, Nijmegen
 Barbara **Grüner**, Essen
 Uta **Höpken**, Berlin
 Thomas **Oellerich**, Frankfurt
 Christian **Reinhardt**, Essen
 Christine **Sers**, Berlin

PATIENT EXPERTS

Cindy **Körner**, Heidelberg
 Johannes **Förner**, Munich

ORGANIZING TEAM

Delia **Braun**
 Grit **Engelbrecht**
 Philipp **Gebhardt**
 Dagmar **Kafka**
 Kristin **Paarmann**
 Claudia **Reschke**
 Fikret **Rifatbegovic**
 Maria **Rius**

DKFK

Deutscher Krebsforschungskongress

German Cancer Research Congress

GCRC

4th

4th German Cancer Research Congress

26 – 27 MAY 2025

German Cancer Research Center (DKFZ), Communication Center

www.cancer-research-congress.de



#gcrc2025

PROGRAM



www.cancer-research-congress.de

dkfk@dkfz.de

#DKFK #gcrc2025

ORGANIZER

German Cancer Research Center (DKFZ)

Im Neuenheimer Feld 280 | 69120 Heidelberg | www.dkfz.de

dkfz. GERMAN
CANCER RESEARCH CENTER
IN THE HELMHOLTZ ASSOCIATION

Deutsche Krebshilfe
HILFEN. FORSCHEN. INFORMIEREN.

DKG
KREBSGESELLSCHAFT

DKTK German Cancer
Consortium

NCT NATIONAL CENTER
FOR TUMOR DISEASES

**NETZWERK
ONKOLOGISCHE
SPITZENZENTREN**

AEK
German Cancer Society
Experimental Cancer Research

**NATIONALE
DEKADE
GEGEN KREBS**

MONDAY, 26TH MAY 2025

09:45 am **WELCOME**

10:00 am **KEYNOTE LECTURE**

Oliver **Stegle**, Heidelberg
Decoding Cellular Plasticity with AI-Driven Sequence Models

10:30 am *Comfort break*

10:45 am **SESSION**

Tumor microenvironment & metabolism

Chair: Marieke Essers and Rene Jackstadt

Barbara **Grünwald**, Essen

Foundations of tissue function: self-organization in the tumor microenvironment

Almut **Schulze**, Heidelberg

Finding metabolic vulnerabilities in cancer

Jose Pedro **Friedmann Angeli**, Würzburg

Molecular mechanisms regulating the formation, prevention, and repair of (per)oxidized phospholipids

Celia **Dobersalske**, Essen

Gotcha: Anti-tumor T cells in the skull bone

12:15 pm **Flash talks** (*Presentations selected from abstracts*)

Chair: Marieke Essers

12:45 pm **Poster session**

01:30 pm *Light Lunch*

02:15 pm **SESSION**

New developments in first line local therapies

Chairs: Oliver Bruns, Cindy Körner & Johannes Förner

Susanne **Kossatz**, Munich

Novel contrast agents for screening and fluorescence-guided surgery of epithelial cancers

Stefanie **Speidel**, Dresden

Beyond the scalpel: Empowering surgeons with AI-powered robotics

Alexander **Schramm**, Essen

Translational aspects of neoadjuvant studies: the NEOpredict-Lung trial

03:15 pm **Panel discussion** (*Patient perspectives*)

Chairs: Cindy Körner & Johannes Förner

Christoph **Schmitt**, Dresden

Joachim **Wiskemann**, Heidelberg

Melanie **Börries**, Freiburg

04:00 pm *Coffee break*

04:45 pm **Study pitches** (*Presentations selected from abstracts*)

Chairs: Christian Reinhardt, Cindy Körner & Johannes Förner

06:15 pm *Comfort break*

06:30 pm **AWARD CEREMONY**

German Prize for Cancer Prevention Research

07:30 pm *Get-together*

TUESDAY, 27TH MAY 2025

09:00 am **SESSION**

Heterogeneity, plasticity & metastasis

Chairs: Barbara Grüner and Peter Friedl

Frank **Winkler**, Heidelberg

Neuro-cancer crosstalk drives brain invasion and metastasis

Rene **Jackstadt**, Heidelberg

Deciphering and targeting of high-risk colorectal cancer states

Christoph **Klein**, Regensburg

Genomic evolution and phenotypic plasticity of the metastatic seed

Lena **Jassowicz**, Heidelberg

Identification of prognostically distinct immune landscapes in lung adenocarcinoma brain metastases

Michael **Tyler**, Frankfurt

Mapping cellular heterogeneity in cancer with the Curated Cancer Cell Atlas

10:30 am *Comfort break*

10:45 am **SESSION**

Digital prevention, diagnostics and therapy control

Chair: Titus Brinker and Christian Reinhardt

Carolin Victoria **Schneider**, Aachen

Using big data and AI for digital cancer prevention

Yuri **Tolkach**, Cologne

AI in oncological pathology:

New generation of diagnostic tools

Magdalena **Görtz**, Heidelberg

The digital prostate tumor twin:

Potential of multimodal data integration for precision diagnostics

Lena **Maier-Hein**, Heidelberg

Independent intelligence: Academic medical AI in the age of big tech giants

12:15 pm **Flash talks** (*Presentations selected from abstracts*)

Chair: Uta Höpken

12:45 pm **Poster session**

01:30 pm *Light Lunch*

02:15 pm **SESSION**

Tumor immunology, cellular immune therapies

Chair: Uta Höpken and Thomas Oellerich

Josef **Leibold**, Tübingen

Gene editing approaches to modulate CAR T cell activity

Antonia **Busse**, Berlin

T cell receptors in immunotherapy: Biology and clinical potential

Juliane **Walz**, Tübingen

Peptide-based immunotherapy — Bench to bedside developments

Sophia **Danhof**, Würzburg

Novel targets and targeting strategies for CAR T cells in hematology and beyond

03:45 pm **CLOSING REMARKS**

04:00 pm *End of conference*