

Realisierung translationaler Zentren: Welche Aufgabe haben die Kliniken?

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Berlin

dkfz.

 NCT



UniversitätsKlinikum Heidelberg

50 Jahre – Forschen für
ein Leben ohne Krebs





UniversitätsKlinikum Heidelberg



All
Clinical Departments
with Oncological
Activities

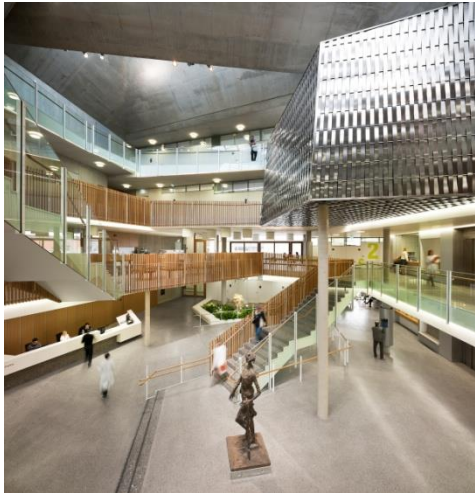
EVERY PATIENT



All
Translational Cancer
Research Groups

EVERY TRIAL

Creating Interdisciplinarity



IDENTITY & VISIBILITY



DELIVER

Precision Oncology

EXCEL

Clinical and Translational
Cancer Programs

GROW

Building
Partners

**SCIENTIFIC &
CLINICAL EXCELLENCE**

DELIVER

- ❖ NCT Precision Oncology
- ❖ Novel, Innovative Treatment Concepts
- ❖ Clinical Trials & Biobanking Infrastructure/Expertise



EXCEL

- ❖ Molecular Stratification
- ❖ Immunotherapy
- ❖ Profile Areas - Neurooncology
Pancreatic Cancer,
Radiooncology,
Lung Cancer,
Prostate Cancer
- ❖ NCT OncoCheck-Programm
- ❖ Innovative Oncological Imaging
- ❖ Molecular Tumor Pathology
- ❖ Biomarker Platform
- ❖ NCT DataThereHouse & Cancer Registry
- ❖ New Programs – CardiOncology, Palliative Oncology, Hematology
- ❖ NCT Basic Research Pipeline

GROW

- ❖ Partnerships
- ❖ Funding Programs
- ❖ Recruitments
- ❖ Talents
- ❖ Facilities



STRATIFIED ONCOLOGY

CLINICAL EVALUATION & TRIALS



DATA INTEGRATION

TARGET EXPLOITATION

TARGET CHARACTERIZATION

TARGET IDENTIFICATION

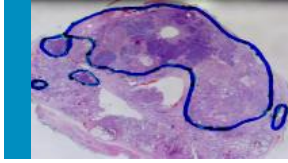


PATIENT ADMISSION – DOCUMENTATION - BANKING

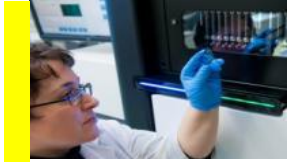
NCT MASTER Workflow



PATIENT ADMISSION
ENROLLMENT
CLINICAL DATA



DIAGNOSIS &
SAMPLING



NCT OMICS



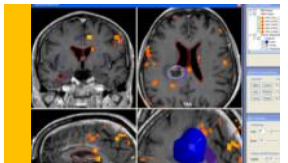
BIOINFORMATICS
CLINICAL REPORT



MOLECULAR
TUMOR BOARD



INDIVIDUALIZED
THERAPY &
TRIALS



RESPONSE
RESISTANCE
PREVENTION



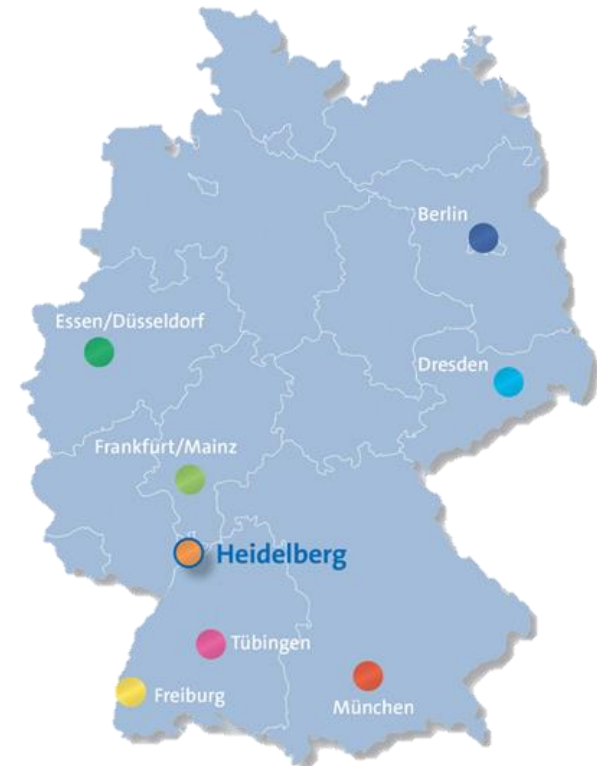
NCT DataThereHouse (SAP HANA)

Comprehensive Cancer Centers (CCC) funded by Deutsche Krebshilfe



- ❖ Real Centers
- ❖ Quality of Clinical Structures
- ❖ Clinical Research

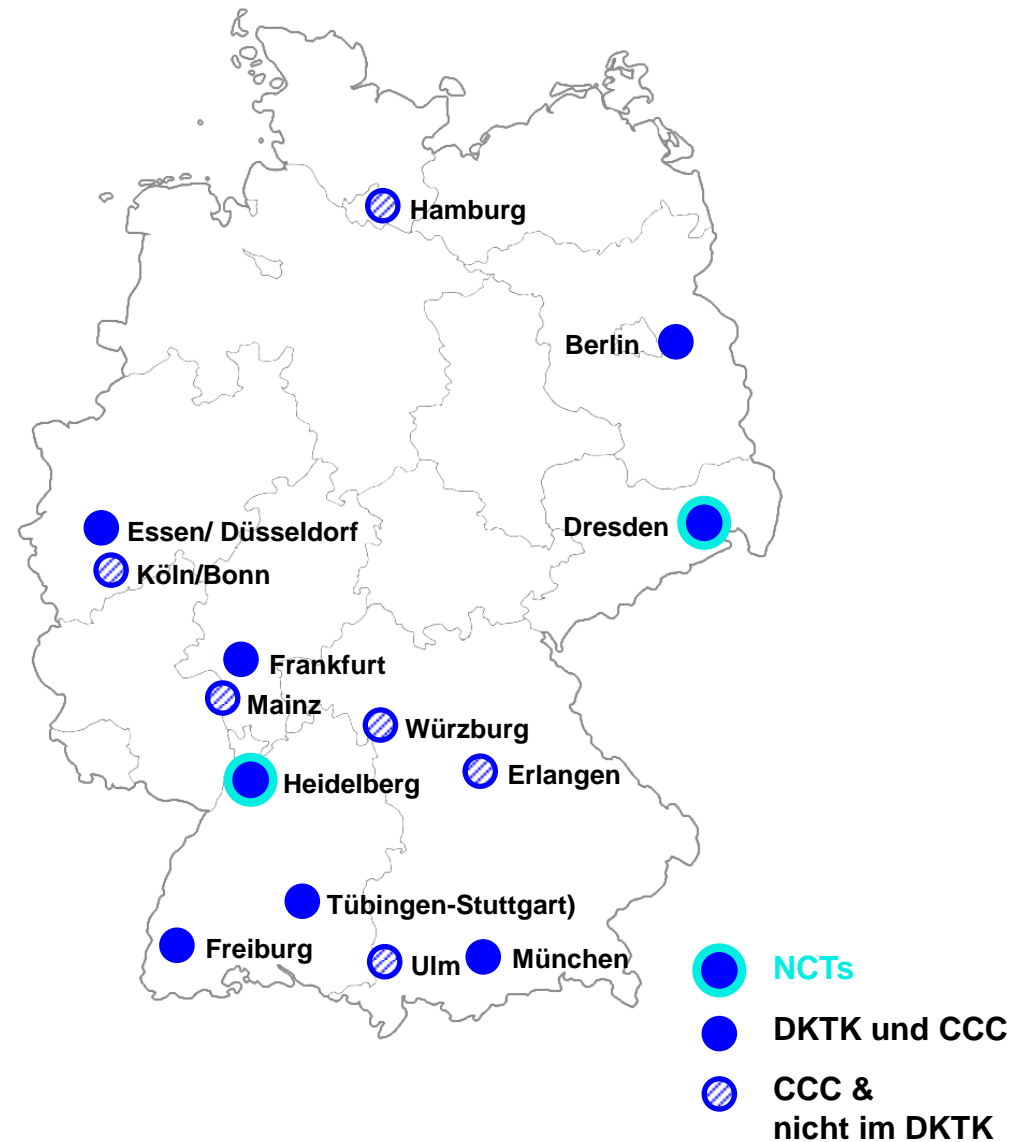
Deutsches Konsortium für translationale Krebsforschung (DKTK)



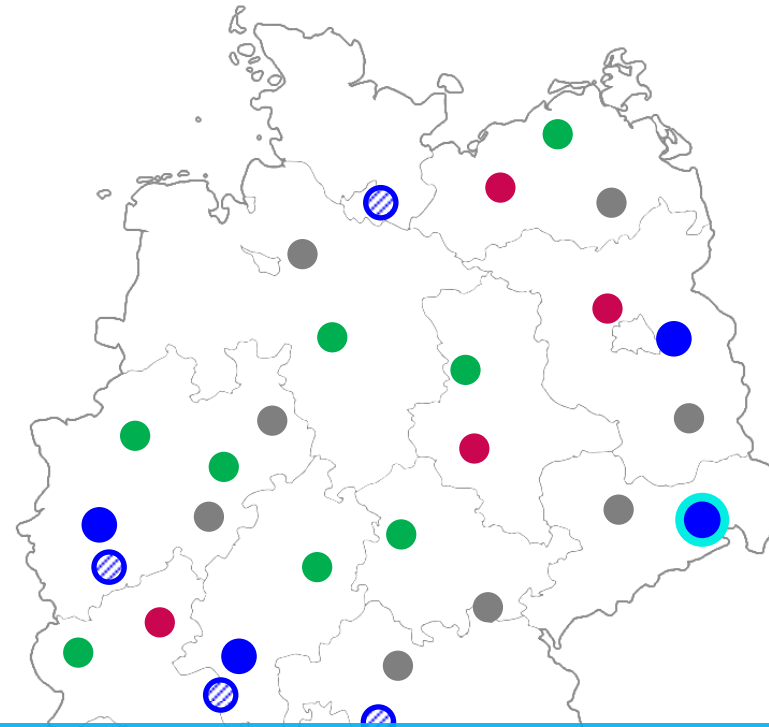
- ❖ Virtual Centers
- ❖ Translational Research
- ❖ Clinical Research

Networks for Translational Oncology – Translation Centers

- ❖ Precision Oncology
- ❖ Interdisciplinarity
- ❖ Translation
- ❖ Study Concepts
- ❖ Medical Informatics/
Big Data

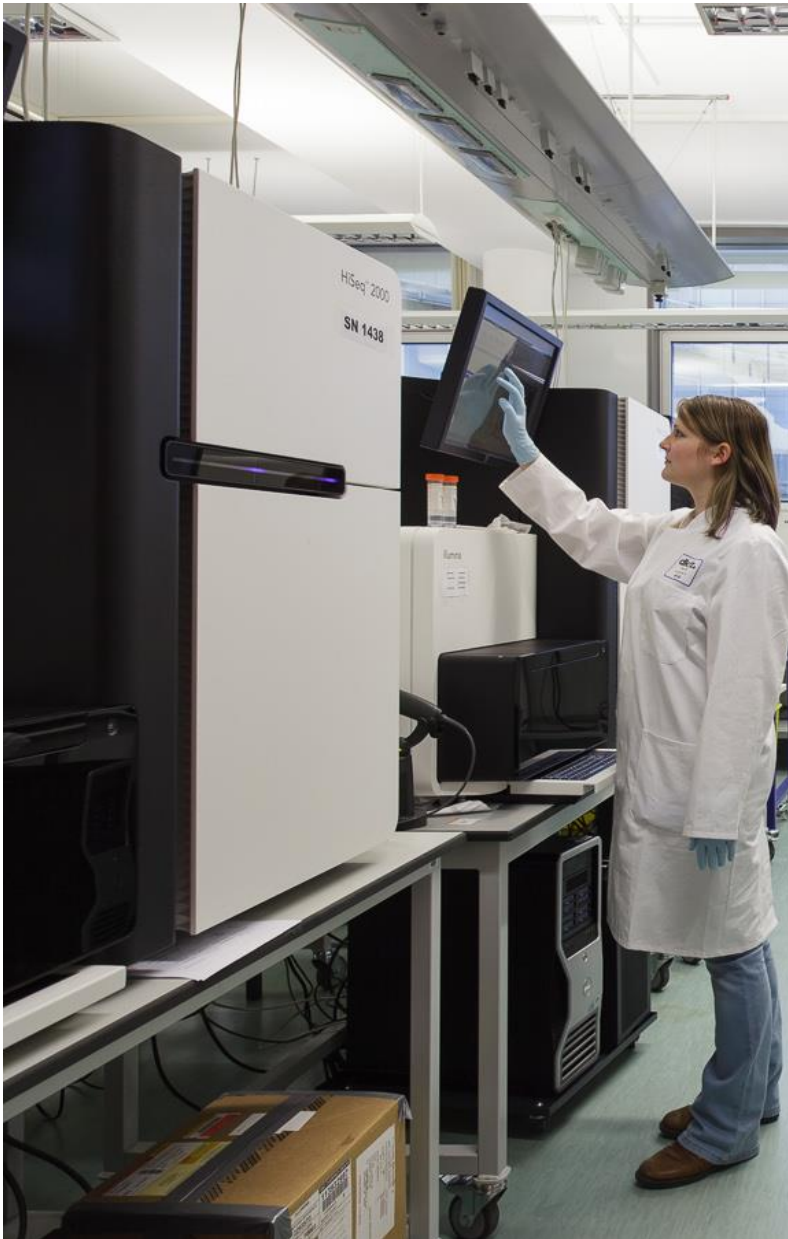


- ❖ **Translation Centers**
- ❖ **University Centers**
- ❖ **Hidden Champions**
- ❖ **Clinics and Medical Practices**



Comprehensive and optimal Supply in Oncology in Germany

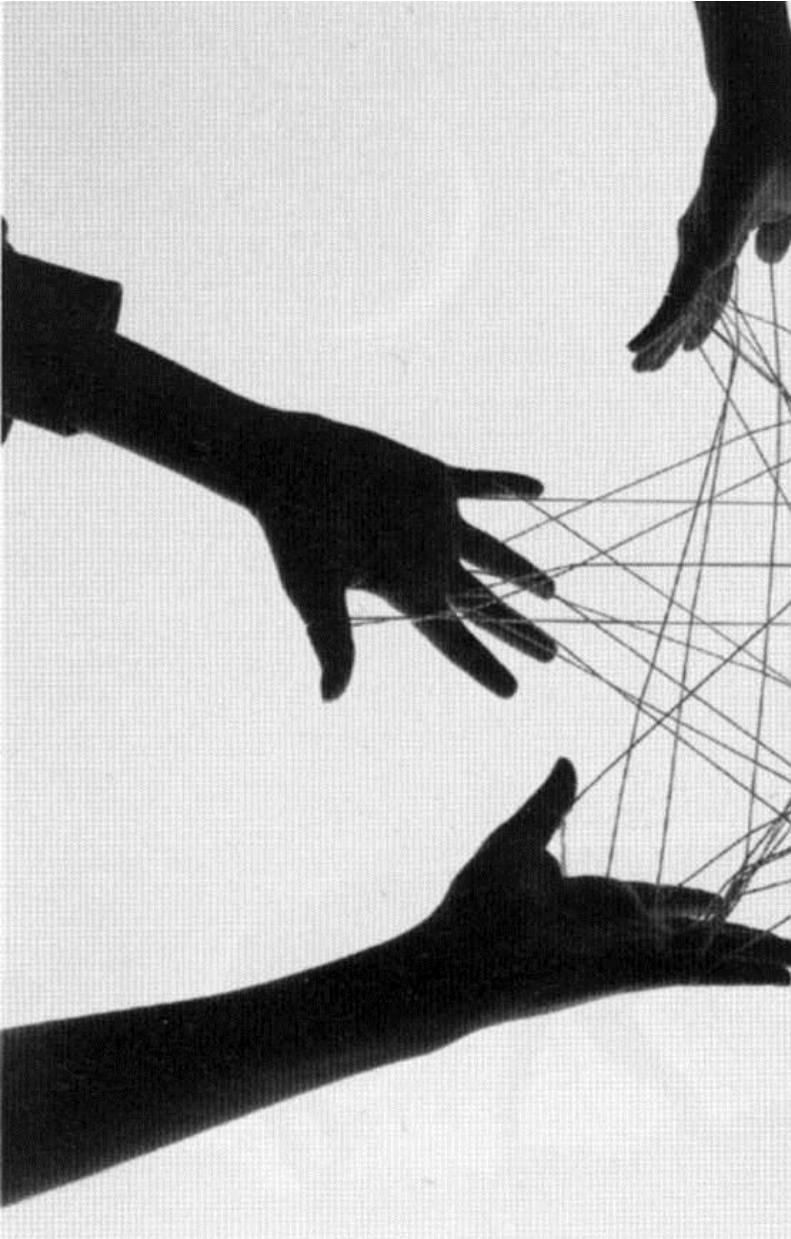
Hidden Champion Program



- ❖ Establishing multidisciplinary research programs
- ❖ Bringing together complementary expertise and resources of research groups and clinical departments
- ❖ Strengthen and establish internationally competitive profile areas and cancer programs



- ❖ For innovative, multidisciplinary research aiming to rapidly transfer **basic science** discoveries into **clinical application**
- ❖ **Internationally competitive** programs/trials/networks within selected cancer entities and **profile areas**



- ❖ Joint Trials
- ❖ Common Platforms (e.g. NGS facility, Clinical Trials)
- ❖ Physician Scientist Career Track/Fellowship Program
- ❖ Comprehensive multidisciplinary training programs for physicians, scientists, nurses, and related professions
- ❖ Cooperation Agreements
- ❖ Common SOPs
- ❖ Partnerships (iMed, Cancer Core Europe, pharmaceutical sector)

NATIONAL CENTER FOR
TUMOR DISEASES

NCT HEIDELBERG

THANK YOU

dkfz.



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