

10th Anniversary

Charité Comprehensive Cancer Center

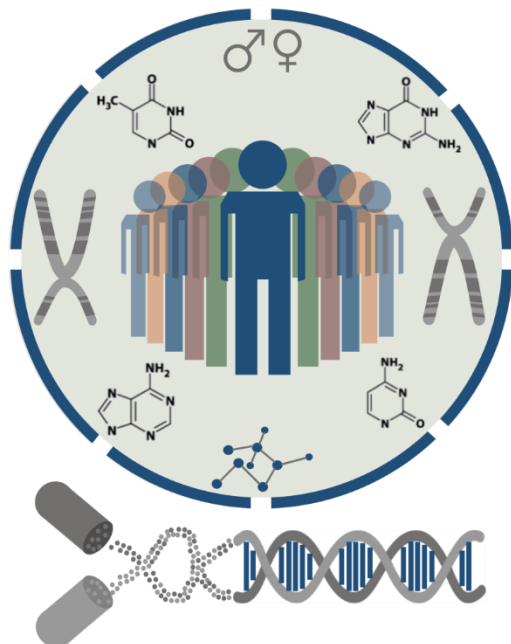
Cancer Science Day Precision Medicine

Friday, October 5, 2018

10:00 - 18:00

Paul-Ehrlich-Hörsaal CCM

Virchowweg 4 | 10117 Berlin (Mitte)



Programme

10:00 Welcome and opening remarks
Scientific Programme Committee:
Prof. Reinhold Schäfer; Charité/DKTK
Prof. Claus Scheidereit; MDC
Prof. Ulrich Keilholz; Charité/DKTK

10:15 **Keynote lecture**
 Molecular oncology: from basic research to clinical trials
Prof. Christoph Peters;
Comprehensive Cancer Center Freiburg

Session I: Precision analysis of molecules and pathways

Chair: **Prof. Christine Sers**

11:05 The importance of genetic screens (shRNA, CRISPR) in precision oncology
PhD Loredana Vecchione;
Charité/DKTK

11:25 HDAC inhibitor-induced Acetylation of KRAS confers a pro-oncogenic effect limiting treatment response in colorectal cancer
Prof. Christine Sers; Charité/DKTK

11:45 Inhibiting WNT and NOTCH in renal cancer stem cells: implications for human patients
Daniel Bauer; MDC

12:05 Computational modelling for combinatorial therapies in solid cancer
Prof. Nils Blüthgen; Charité/DKTK

12:25 Lunch break

Session II: Precision molecular diagnostics

Chair: **Prof. Ingeborg Tinhofer-Keilholz**

13:30 Molecular pathology in precision medicine
Prof. David Horst; Charité/DKTK

13:50 Morphology meets molecular profiles - Machine-learning based approaches
Prof. Frederick Klauschen;
Charité/DKTK

14:10 Liquid tumor biopsies - Potential for precision medicine
Prof. Ingeborg Tinhofer-Keilholz;
Charité/DKTK

14:30 Next-generation brain tumors modeling
Dr. Gaetano Gargiulo; MDC



14:50 **Keynote lecture**
 Precision oncology and immunotherapy development program at Gustave Roussy
Prof. Alexander M.M. Eggermont;
Gustave Roussy Cancer Campus Paris

15:30 Cancer metastasis - From biomarker discovery to novel therapies
Prof. Ulrike Stein; MDC/DKTK

15:50 Coffee break

16:10 TCR gene therapy for solid tumors: Isolation of tumor specific TCRs from human tissue
PD Dr. Antonia Busse; Charité/DKTK

16:30 Oncogene-specific T cells at work - in experimental models and in translation
Prof. Gerald Willimsky; Charité/DKTK

16:50 Precision medicine in pediatric oncology
Prof. Angelika Eggert; Charité/DKTK

17:10 **Keynote Lecture**
 National scale tumor whole genome sequencing for personalized cancer treatment
Prof. Edwin Cuppen;
UMC Utrecht, Center for Molecular Medicine

~18:00 Final discussion & Hors d'œuvre reception

Session III: Precision treatment

Chair: **Prof. Ulrike Stein**