

**DKTK Berlin Symposium
January 16- 17, 2025**

Harnack-Haus
Innstraße 16-20, 14195 Berlin

Agenda

Thursday - January 16, 2025 *Hahn Lecture Hall*

From 8:30 Registration

9:00 – 9:15 **Welcome** *Angelika Eggert*

9:15 – 10:15 **Keynote Lectures** *Chair: Angelika Eggert*

9:15 - 9:45 Metabolic interventions to improve cancer immunotherapy and new approaches to target therapy-resistant senescent cells

Inmaculada Martínez Reyes

New DKTK Junior Research Group Leader for Metabolic Networks in Tumor Immunity

9:45 - 10:15 Understanding and engineering T-cell antigen recognition for the benefit of the patient - insights from molecular imaging

Johannes Huppa

Professor of Tumor Immunology at Charité - Universitätsmedizin Berlin and head of the Institute of Immunology at the Campus Berlin Buch

10:15 – 11:15 **Session I: Cancer Immunotherapy** *Chairs: Gerald Willmsky & Lars Bullinger*

10:15 - 10:35 Combining CAR and TCR T cell therapy to improve therapeutic efficacy against neuroblastoma

Annette Künkele

10:35 - 10:55 Mechanistic assessment of response and resistance signatures of adoptive T cell therapy in human large B-cell lymphoma

Antonia Busse /Björn Chapuy

10:55 - 11:15 Improving efficacy of tumor-agnostic peptide:MHC specific CAR-T cells through drug modulated target presentation

Martin Klatt (Young Investigator Grant)

11:15 – 11:40 **Coffee break**

11:40 – 13:00 **Session II: Functional Oncology** *Chairs: Ingeborg Tinhofer-Keilholz & Christine Sers*

- 11:40 - 12:00 Unraveling resistance mechanism of colorectal cancer patients treated with KRASG12C inhibitors and EGFR antibodies for functional oncology
Björn Papke
- 12:00 - 12:20 Leveraging large-scale molecular profiling of primary tumor samples and functional genetic screens for the development of targeted blood cancer therapies
Francis Baumgartner
- 12:20 - 12:40 Decoding and therapeutic targeting of the cellular ecosystem of secondary central nervous system lymphoma with single-cell proteo-genomics
Stefan Habringer (Young Investigator Grant)
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13:00 – 14:00 **Lunch**

14:00 – 15:20 **Session III: Molecular Diagnostics & Biomarker Development**
Chairs: David Capper & David Horst

- 14:00 - 14:20 Dissecting the mutational landscape of AML with chromosome 7 aberrations
Frederik Damm
- 14:20 - 14:40 Tumor microenvironment biomarkers for stratification of lung cancer patients for immunotherapy
Philip Bischoff (Young Investigator Grant)
- 14:40 - 15:00 Improving the diagnosis of hepato-pancreato-ovarian cancers using DNA methylation
Mihnea Dragomir (Young Investigator Grant)
- 15:00 - 15:20 Proteogenomic analysis for identification of new therapeutic targets and risk classification in multiple myeloma
Jan Krönke
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15:40 -16:10 **Coffee break**

- 16:10 – 17:30** **Joint Funding Projects** coordinated by DTK Berlin PIs
Chairs: Ulrich Keilholz & Sebastian Stintzing
- 16:10 - 16:30 **EXLIQUID:** Exploiting liquid biopsies to advance cancer precision medicine
Inge Tinhofer-Keilholz
- 16:30 - 16:50 **LeOPARD:** Ad-hoc sequencing of liquid and intra-operative biopsies for point-of-care and rapid molecular diagnostics
Philipp Euskirchen
- 16:50 - 17:10 **IDENTI-T:** Decoding cellular identities of T-ALL for therapeutic monitoring and targeting by single-cell multi-omics and data-informed cytometry
Stefan Habringer
- 17:10 - 17:30 **Decode-UM:** Decoding the cellular ecosystem of uveal melanoma for monitoring and therapeutic targeting
Caroline Peuker
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- 18:00** **Networking Dinner**
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Friday - January 17, 2025 *Hahn Lecture Hall*

9:00 – 9:30 **Welcome & Future strategy** *Ulrich Keller*

9:30 – 10:30 **Establishment /development of DKTK platforms - part 1**

9:30 - 10:00 Single-cell and spatial technology platform for precision oncology
Simon Haas

10:00 - 10:30 Cancer Liquid Biopsy platform
Hedwig Deubzer

10:30 – 11:00 **Coffee break**

11:00 – 12:00 **Establishment /development of DKTK platforms - part 2**

11:00 - 11:30 Proteomics platform
Philipp Mertins

11:30 - 12:00 Immunopeptidomics/-proteomics platform
Gerald Willimsky

12:00 – 12:20 **Molecular Diagnostics**

Identification of proteomic signatures of early cancer suitable for cancer screening
Markus Ralser

12:20 – 12:30 **Closing Remarks**

12:30 – 13:30 **Lunch**

13:30 – 16:30 **DKTK Local Steering Committee Meeting (members only)**
