

# German Cancer Consortium (DKTK)

## 8<sup>th</sup> Essen Translational Oncology Symposium (ETOS)

Universitätsklinikum Essen | February 25th, 2025 10 am – 7 pm  
 Lehr- und Lernzentrum, Virchowstrasse 163a, 45147 Essen Deichmann Auditorium 1st floor

Chair: Phyllis Cheung, David Koppstein

Event Coordination: Sabine Kaul  
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Please be aware that changes to the agenda may still occur.

<b>10:00 – 10:15</b>		<b>Welcome to ETOS2025</b>	<b>Jens Siveke Ulrike Bingel</b>
<b>10:15 – 10:30</b>		<b>Opening Talk - POSTER Winner 2024</b>	<b>Celia Dobersalske</b>
T1	Deciphering mitochondria plasticity and functionality in PDAC metastasis and therapy response		Julia Zummack
<b>10:30 – 11:15</b>		<b>KEYNOTE</b>	<b>David Koppstein</b>
<b>Targeting oncogenic transcription factors with PROTACs</b>			
T2	<i>Director Institute of Biochemistry, Christian-Albrechts-Universität zu Kiel, Kiel</i> <a href="https://www.uni-kiel.de/Biochemie/scripte/dynamic/groups/wolf/wolf.php">https://www.uni-kiel.de/Biochemie/scripte/dynamic/groups/wolf/wolf.php</a>		Elmar Wolf
<b>11:15 – 12:00</b>		<b>SESSION 1: Phenotypic Plasticity of Cancer Cells</b>	<b>Björn Scheffler</b>
T3	Methionine controls growth and autophagy via TSC-mTORC1 signaling		Andrea Oeckinghaus
T4	Tumor cells that resist neutrophil anti-cancer cytotoxicity acquire a pro-metastatic and innate immune escape phenotype		Francisca Hofmann-Vega
T5	Novel metabolic vulnerabilities in progressing and metastatic melanoma		Feyza Cansiz
<b>12:00 – 2:00 pm</b>		<b>LUNCH AND POSTER SESSION</b>	
<b>2:00 – 2:45</b>		<b>SESSION 2: Technology Driven Approaches &amp; Early Drug Development</b>	<b>Jürgen Becker</b>
T6	Identification of novel ROR2 interaction partners required for its pro-migratory signaling in breast cancer		Allegra Angenendt
T7	Co-targeting of neutrophils increases the efficacy of PD-1 blockade in pre-clinical murine melanoma		Benedict Boateng Antuamwine
T8	Precision Immunotherapy by multi-input DNA Logic Gates on Gold Nanorods		Marija Kovacevic Sarmiento

**2:45 – 3:15 RESEARCH HIGHLIGHT Phyllis Cheung**

**Methods for dynamical inference from single-cell omics data**

T9 *Group Leader Computational methodologies and omic analytics, Max-Delbrück-Centrum für Molekulare Medizin (MDC) <https://www.mdc-berlin.de/haghverdi>* Laleh Haghverdi

**3:15 – 4:00 SESSION 3: Data Science & Computational Biology David Koppstein**

T10 *SeuratExtend: A Comprehensive R Framework for Streamlining Single-Cell RNA Sequencing Analysis* Yichao Hua

T11 *Tracking T-Cell Receptor Specificity Dynamics with ClustIRR* Simo Kitanovski

T12 *Platform-independent, uncertainty-aware joint variant and methylation calling* Adrian Prinz

**4:00 – 5:00 COFFEE BREAK AND POSTER CHAT**

**5:00 – 5:30 RESEARCH HIGHLIGHT Phyllis Cheung**

**Spatial quantification of cellular metabolism identifies metabolic niches predictive of response to immune checkpoint inhibition in metastatic melanoma patients**

T13 *Junior Research Group Systems Immunology and Single Cell Biology, DKFZ, Heidelberg <https://www.dkfz.de/en/systemimmunologie-und-einzelzell-biologie/index.php>* Felix Hartmann

**5:30 – 6:15 SESSION 4: Immunoregulatory Tumor Environment David Koppstein**

T14 *The role of cytotoxic CD4 T cells in anti-tumor immune responses* Alicia Brüggemann

T15 *Ascites-derived albumin regulates effector function and metabolism in NK and T cells* Antonio Hrvat

T16 *Tertiary Lymphoid Structures in Merkel Cell Carcinoma Facilitate Naïve and Central Memory T-Cell Infiltration Linked to Immunotherapy Response* Nalini Srinivas

**6:15 – 7:00 KEYNOTE David Koppstein**

**Epigenetic mechanisms of cancer development, progression and resistance to therapy**

T17 *Director Institute for Translational Epigenetics, University of Cologne, Cologne <https://translationale-epigenetik.uni-koeln.de/en/>* Michal-Ruth Schweiger

**7:00 ETOS Trophy for Best Talk and Poster Prize for Best Poster Phyllis Cheung and David Koppstein**

