

STEM CELLS AND CANCER

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12TH INTERNATIONAL HEIDELBERG SYMPOSIUM ON STEM CELLS AND CANCER

September 14-16, 2025

German Cancer Research Center (DKFZ),
Heidelberg

PRELIMINARY PROGRAM

Supported by:



HI-STEM
HEIDELBERG INSTITUTE FOR
STEM CELL TECHNOLOGY
& EXPERIMENTAL MEDICINE



HEIDELBERG
UNIVERSITY
HOSPITAL



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GSCN
GermanStemCellNetwork

AML WORKSHOP

- 10:00 **Welcome and Opening Remarks**
Carsten Müller-Tidow, Heidelberg
- 10:10 Novel stem cell types mediating response and resistance in AML
Andreas Trumpp, Heidelberg
- 10:40 JAK2 gain of function mutations and therapy resistance in neoplasms
Ross L. Levine, New York
- 11:10 Epigenetic therapies in leukemia
Scott Armstrong, Boston
- 11:40 **Short Talk:** selected by the submitted abstracts
- 12:00 Metabolism in hematopoietic stem cells and leukemia
Nina Cabezas-Wallscheid, Zurich
- 12:30 *GROUP PICTURE AML WORKSHOP, LUNCH BREAK*
- 13:30 RNA editing factors in malignant transformation of leukemia-initiating cells
Catriona Jamieson, San Diego
- 14:00 Multiomic profiling improves survival in patients of ancestry-diverse populations
Ann-Kathrin Eisfeld, Columbus
- 14:30 Selective expansion mechanisms in clonal hematopoiesis
Paresh Vyas, Oxford
- 15:00 *END OF CLINICAL WORKSHOP - COFFEE BREAK*

SYMPOSIUM ON STEM CELLS AND CANCER

- 16:00 **Welcome by Carsten Müller-Tidow & Andreas Trumpp**
- 16:15 **Keynote Lecture**
Combination therapy with novel agents for AML
Courtney D. DiNardo, Houston
- 16:55 Active cell fate repression safeguards hepatocyte identity and prevents liver tumorigenesis
Moritz Mall, Heidelberg
- 17:25 **Short Talk:** selected by the submitted abstracts
- 17:40 DNA methylation controls stemness of astrocytes in brain
Ana Martin-Villalba, Heidelberg
- 18:10 *WELCOME RECEPTION*
- 19:30 *END OF DAY 1*

- 9:00 **Keynote Lecture**
Shaping epithelial tissues by stem cell dynamics
Elaine Fuchs, New York
- 09:50 Intestinal stem cells in homeostasis and tumor development
Fred de Sauvage, San Francisco
- 10:20 Novel approaches in targeting advanced colorectal cancer
Rene Jackstadt, Heidelberg
- 10:50 *COFFEE BREAK*
- 11:20 Tissue dynamics in wound healing
Cedric Blanpain, Brussels
- 11:50 **Short Talk:** selected by the submitted abstracts
- 12:05 Clonal Hierarchy in Acute Myeloid Leukemia
Ann-Kathrin Eisfeld, Columbus
- 12:35 **Ten Lightning Talks - poster teasers - à 1 minute**
- 13:00 *GROUP PICTURE, LUNCH BREAK, EXHIBITION*
- 13:45 Poster Session 1 (odd numbered posters) and Exhibition
- 15:00 Dynamic clonal evolution and targetable phenotypes in CK-AML
Andreas Trumpp, Heidelberg
- 15:30 **Short Talk:** selected by the submitted abstracts
- 15:45 Metabolic signaling and lung metastasis
Sarah Maria Fendt, Leuven
- 16:15 AI-guided hematology for cancer treatment
Mirco Friedrich, Heidelberg
- 16:45 *COFFEE BREAK*
- 17:15 RNA modification based plasticity in leukemia
Michaela Frye, Heidelberg
- 17:45 **Short Talk:** selected by the submitted abstracts
- 18:00 *END OF DAY 2*

- 09:00 Clonal hematopoiesis and evolution to MPN/AML
Ross L. Levine, New York
- 09:30 Molecular regulators of dormant hematopoietic stem cells
Nina Cabezas-Wallscheid, Zurich
- 10:00 Long-term outcomes of therapy in AML
Lars Bullinger, Berlin
- 10:30 Ribosomal RNA-mediated cellular plasticity in AML
Carsten Müller-Tidow, Heidelberg
- 11:00 *COFFEE BREAK*
- 11:30 Clonal dynamics and somatic evolution of hematopoiesis
Margaret Goodell, Houston
- 12:00 **Short Talk:** selected by the submitted abstracts
- 12:15 Cancer neuroscience of brain tumors
Frank Winkler, Heidelberg
- 12:45 **Ten Lightning Talks - poster teasers - à 1 minute**
- 13:05 *LUNCH BREAK AND EXHIBITION*
- 13:45 Poster Session 2 (even numbered posters) and Exhibition
- 15:00 Stem cell aging and malignant transformation
Catriona Jamieson, San Diego
- 15:30 Risk stratification in older AML patients with intensive treatment
Paresh Vyas, Oxford
- 16:00 Long-term consequences of cancer on immune system
Simon Haas, Berlin
- 16:30 Decoding functional hematopoietic progenitor cells
Elisa Laurenti, Cambridge
- 17:00 Poster Prizes & Best Short Talk
Concluding Remarks:
Carsten Müller-Tidow and Andreas Trumpp
- 17:30 *END OF CONFERENCE*