

11th INTERNATIONAL HEIDELBERG SYMPOSIUM ON STEM CELLS AND CANCER

Pre-Meeting AML WORKSHOP

Sunday, September 10, 2023 - 10:00 - 15:00

Innovative strategies to target acute myeloid leukemia

10:00 - 10:10	Welcome and opening remarks Carsten Müller-Tidow , Heidelberg
<i>Chairs:</i>	<i>Carsten Müller-Tidow and Caroline Pabst</i> <i>(Main Talks 20 min + 10 min Q&A)</i>
10:10 - 10:40	Innovative comprehensive genomic AML diagnostics Lars Bullinger , Berlin
10:40 - 11:10	Novel therapies for myeloid malignancies Ross L. Levine , New York
11:10 - 11:40	Clinical translation of menin inhibitors in AML Scott Armstrong , Boston
11:40 - 12:00	Short Talk (15+5): Clinical response to venetoclax in acute myeloid leukemia is determined by leukemic stem cell subtypes Alexander Waclawiczek , Heidelberg
12:00 - 12:30	Found in translation: Turning leukemia stem cell discoveries into clinical trials Daniel Pollyea , Denver
12:30 - 13:30	GROUP PICTURE AML WORKSHOP, LUNCH BREAK
<i>Chairs:</i>	<i>Judith Zaugg and Simon Renders</i> <i>(Main Talks 20 min + 10 min Q&A)</i>
13:30 - 14:00	Malignant Deamination as a Driver of Acute Myeloid Leukemia Stem Cell Generation Catriona Jamieson , San Diego
14:00 - 14:30	Immunologic targeting of hematopoietic stem and myeloid leukemia cells Markus Manz , Zurich
14:30 - 15:00	Risk stratification in older intensively treated patients with acute myeloid leukemia Paresh Vyas , Oxford
15:00	END OF CLINICAL WORKSHOP – COFFEE BREAK

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- SCIENTIFIC PROGRAM -

Sunday, Day 1: 16:00 - 19:30

16:00 - 16:15	Welcome by Carsten Müller-Tidow & Andreas Trumpp
<i>Chairs:</i>	<i>Marieke Essers & Michael Milsom</i> <i>(Main Talks 20 min + 10 Q&A; Short Talks 10+5)</i>
16:15 - 16:55	Keynote Lecture: What makes a stem cell a stem cell and how does it go bad? John Dick , Toronto
16:55 - 17:25	Small Cell Lung Cancer Biology and Biomarkers Caroline Dive , Manchester
17:25 - 17:40	Short Talk: Chromothripsis orchestrates leukaemic transformation in blast phase MPN through targetable amplification of DYRK1A Charlotte Brierley , Oxford
17:40 - 18:10	Decoding the organizational principles of brain cancer applying the principles of adult stem cell driven regeneration Ana Martin-Villalba , Heidelberg
18:10 - 19:30	<i>WELCOME RECEPTION</i>
19:30	<i>END OF DAY 1 (→ Speakers Dinner by invitation only)</i>

Monday, Day 2: 09:00 - 18:30

<i>Chairs:</i>	<i>Almut Schulze & Andreas Trumpp</i> <i>(Main Talks 20 min + 10 Discussion; Short Talks 10+5)</i>
09:00 - 09:50	Keynote Lecture (40+10): Leptin Receptor ⁺ cells promote bone marrow innervation and regeneration by synthesizing nerve growth factor Sean Morrison , Dallas
09:50 - 10:20	Exploiting immune surveillance to target colorectal cancer evolution and mutability Alberto Bardelli , Milano
10:20 - 10:50	Modeling and targeting advanced colorectal cancer Rene Jackstadt , Heidelberg
10:50 - 11:20	<i>COFFEE BREAK</i>
11:20 - 11:50	Stem cells, immune evasion and metastasis in colorectal cancer Eduard Batlle , Barcelona

- 11:50 - 12:05 **Short Talk:** Go against the flow: retrograde movement as a new stem cell regulation mechanism in the intestine
Maria Azkanaz, Amsterdam
- 12:05 - 12:35 Genomic Profiles and Associated Survival Prognosticators in Ancestry-Diverse Patients with Acute Myeloid Leukemia
Ann-Kathrin Eisfeld, Columbus
- 12:35 - 13:00 Ten Lightning Talks - poster teasers - à 1 minutes
- 13:00 - 13:45 *GROUP PICTURE, LUNCH BREAK, EXHIBITION*
- 13:45 - 15:00 Poster Session 1 (odd numbered posters) and Exhibition
- Chairs: *Fiona Watt & Martin Sprick*
(Main Talks 20 min + 10 Discussion; Short Talks 10+5)
- 15:00 - 15:30 From Stem Cells in Leukemia to Neurons in Pancreatic Cancer
Andreas Trumpp, Heidelberg
- 15:30 - 15:45 **Short Talk:** The Curated Cancer Cell Atlas enables a comprehensive characterisation of intra-tumour heterogeneity across cancers
Michael Tyler, Rehovot
- 15:45 - 16:15 Chromatin complexes control gene expression in hematopoiesis and leukemia
Scott Armstrong, Boston
- 16:15 - 16:45 Circulating tumor cells
Nicola Aceto, Zurich
- 16:45 - 17:15 *COFFEE BREAK*
- 17:15 - 17:45 Mechanisms Driving Clonal Hematopoiesis
Margaret Goodell, Houston
- 17:45 - 18:00 **Short Talk:** A novel imaging approach suggests a critical role for cancer stem cells as sensitive sensors of microenvironmental quality in metastatic progression
Binwu Tang, Bethesda
- 18:00 - 18:30 Extrachromosomal circular DNAs in cancer
Anton Henssen, Berlin
- 18:30 *END OF DAY 2 (→ Evening reception by invitation only)*

Tuesday, Day 3: 09:00 - 17:30

<i>Chairs:</i>	<i>Marc Thier & Moritz Mall</i> (Main Talks 20 min + 10 Discussion; Short Talks 10+5)
09:00 - 09:30	Deciphering and modeling clonal hematopoiesis and evolution to MPN/AML Ross Levine , New York
09:30 - 10:00	Regulation of dormant hematopoietic stem cells Nina Cabezas-Wallscheid , Freiburg
10:00 - 10:30	Clonal resolution of hematopoietic stem cell aging Michael Milsom , Heidelberg
10:30 - 11:00	Ribosomal RNA methylation signatures drive plasticity in AML and lung cancer Carsten Müller-Tidow , Heidelberg
11:00 - 11:30	<i>COFFEE BREAK</i>
11:30 - 12:00	Cerebral organoids: Modelling human brain development and tumorigenesis in stem cell-derived 3D culture Jürgen Knoblich , Vienna
12:00 - 12:15	Short Talk: An LSC-specific CRISPRi screen demonstrates functional diversity of long non-coding RNAs in acute myeloid leukemia Silvia Schäfer , Dresden
12:15 - 12:45	The glioblastoma organism and its cellular drivers Frank Winkler , Heidelberg
12:45 - 13:05	Ten Lightning Talks - poster teasers - à 1 minutes
13:05 - 13:45	<i>LUNCH BREAK AND EXHIBITION</i>
13:45 - 15:00	Poster Session 2 (even numbered posters) and Exhibition
<i>Chairs:</i>	<i>Simon Raffel & Christoph Plass</i> (Main Talks 20 min + 10 Discussion; Short Talks 10+5)
15:00 - 15:30	Systems epigenetics to study cellular processes and disease mechanisms Judith B. Zaugg , Heidelberg
15:30 - 16:00	From single-cell landscapes to spatial architecture in health and disease Simon Haas , Berlin/Heidelberg
16:00 - 16:30	Where, when and how? Characterizing the properties of age-related hematopoietic clones at a population and single cell level Pareesh Vyas , Oxford
16:30 - 17:00	Space-flight accelerates human hematopoietic stem cell aging and clonal hematopoiesis through APOBEC3 mutagenic enzyme deregulation Catriona Jamieson , San Diego
17:00 - 17:30	Poster Prizes & Best Short Talk Concluding Remarks: Carsten Müller-Tidow and Andreas Trumpp



UniversitätsKlinikum Heidelberg



17:30

END OF CONFERENCE