



University of
Zurich ^{UZH}

ETH zürich



Universitäres
Krebszentrum
Comprehensive
Cancer Center
Zürich



**CANCER
BIOLOGY**
phd program



Joint Retreat CCCZ & Cancer Biology PhD Program

2nd edition

Wednesday, 26 August 2026

09:00 - 11:30	individual travel to Emmetten	
11:30 - 12:15	Welcome snack for lunch	Bistretto
12:15 - 12:20	Welcome address CCCZ & CB PhD Program Anne Müller & César Nombela Arrieta	Waldhorn Saal
12:20 - 12:45	CCCZ Update & Development Markus G. Manz	Waldhorn Saal
12:45 - 13:15	Keynote lecture 1 Chair Manuel Stucki	Waldhorn Saal
	Towards a Personalized Targeting of Cancer Metabolism Raphael Johannes Morscher	1004
13:15 - 14:30	Session 1 Chair Manuel Stucki	Waldhorn Saal
	The oncogenic role of NF-κB in Helicobacter pylori-induced gastric carcinogenesis Flora Azizi	103
	RESIST-SARC: Ex vivo modelling of acquired chemotherapy resistance in high grade soft tissue sarcoma combined with molecular and pharmacological target discovery Carmen Dubach	112
	Modulation of the Gut Microbiome for Cancer Therapy Rocio Sanchez Alvarez	122
	Starving T-ALL: Dietary Histidine Restriction Targets Cholesterol Biosynthesis via Translational Reprogramming Simona Ulrich	124
	KidsCan Analytical Pipelines - A Multi-Omics Framework for Pediatric Precision Oncology in Switzerland Babih Velazquez De Burnay	126

14:30 - 15:00	Coffee break	Bistretto
15:00 - 15:30	Keynote lecture 2 Chair Holger Moch	Waldhorn Saal
	Single-cell approaches for monitoring stem cells in aging, clonal expansion and cancer Ataman Sendoel	1005
15:30 - 16:45	Session 2 Chair Holger Moch	Waldhorn Saal
	Development of a mechanistic understanding and therapeutic rationale for TFE3-rearranged renal cell carcinoma Debleena Basu	106
	A Large-Scale Longitudinal FDG-PET/CT Dataset and Research Framework for Oligometastatic Disease Maksym Fritsak	114
	Widening applicability of MR-only radiotherapy: MR-based synthetic CT generation for patients with hip implants using deep learning methods Mariia Lapaeva	116
	Prognostic value of early FDG-PET/CT response in oligometastatic non-small cell lung cancer: secondary analysis of the ETOP 18-14 CHES trial Alina Paunoiu	120
	A retrospective study of reirradiation patterns over the years - data from a single institution Nazanin Rahnema	121
16:45 - 17:00	Group picture	Path near the log cabin
17:00 - 18:00	Check-in at hotel	Reception
18:00 - 19:30	Dinner - followed by Poster session 1	Restaurant Seeblick

Multiomic characterization of localized and disseminated canine histiocytic sarcoma to identify novel diagnostic and therapeutic approaches Helia Abdshahzadeh	<u>1</u>
Mapping receptor tyrosine kinases dependencies and vulnerabilities in pediatric diffuse midline glioma Matteo Bimbati	<u>2</u>
Characterising CIP2A-TOPBP1 interaction in DNA Damage Response during Mitosis Ritabrata Biswas	<u>3</u>
Modulation of circulating extracellular vesicle levels in elderly patients with newly diagnosed glioblastoma by bevacizumab: a secondary analysis of the ARTE trial Adela Brzobohata	<u>4</u>
From Oncology to Neuroinflammation: Evaluating CAR T Cells in Autoimmune Disease Lino Luzi Casty	<u>5</u>
Towards novel therapies for endocrine diseases using high-throughput methods Rita Coelho	<u>6</u>
Therapeutic Repurposing of Vortioxetine for Glioblastoma Sara Dahmani	<u>7</u>
Mapping the blood-accessible surface proteome of primary and metastatic brain tumors for vascular-targeted immunotherapies Carlotta Dell'Anna Misurale	<u>8</u>
Accelerated DNA replication during induced proliferation and early transformation of hematopoietic stem and progenitor cells Daphne Devesa i Serrano	<u>9</u>
Molecular mechanisms underlying oncogene-induced replication stress Marketa Dvorakova	<u>10</u>
Immunoprofiling of IDH-mutant Gliomas Guillaume Ems	<u>11</u>
Regulation of genome stability by ubiquitin-mediated chromatin signaling Samuele Fisicaro	<u>12</u>

Genetic regulators of macrophage phagocytosis and immunosuppression in Myc-driven lymphoma Gavin Geiger	<u>13</u>
Survival-relevant features of the tumor microenvironment in lung cancer Konstantinos Gkelis	<u>14</u>
Pulmonary Microfold cells - a novel inflammation-induced epithelial cell type in human and murine lungs Abhishek Goswami	<u>15</u>
Investigating the use of immunocytokines against gliomas with isocitrate dehydrogenase mutations Sina Günther	<u>16</u>
Systematic identification of small therapeutic peptides targeting vulnerabilities in fusion driven pediatric, adolescent and young adult sarcoma Michelle Hofer	<u>17</u>
Oncogenic ASPP2k links proteasome-inhibitor resistance with impaired immune visibility in multiple myeloma Kasra Jahankhani	<u>18</u>
Investigating the effect of aging on metastasis and CTC biology. Leonard Jahnke	<u>19</u>
Polyamines and Codon-Specific Translation Regulation in Cancer Sandra Kienast	<u>20</u>

Thursday, 27 August 2026

07:00 - 08:30	Breakfast	Restaurant Seeblick
08:30 - 09:00	Keynote lecture 3 Chair Ana Guerreiro Stücklin	Waldhorn Saal
	Advancing Cancer Immunotherapy through Non-Viral T-Cell Engineering Chiara F Magnani	1002
09:00 - 10:15	Session 3 Chair Ana Guerreiro Stücklin	Waldhorn Saal
	Harnessing RIPK1-driven cell death to potentiate anti-leukemia immunotherapy Alisson Charmey	109
	Investigating leukocyte migration through afferent lymphatic vessels in hot and cold tumors by single-cell RNA sequencing Maria-Nefeli Christakopoulou	110
	Eosinophil Subset Dynamics And Transcriptional Signatures In Colorectal Cancer Progression Glenn De Lange	111
	An integrated single-cell atlas of checkpoint inhibitor-induced liver injury links shared liver-tumour CD8+ T cell clones to cytotoxicity and macrophage crosstalks Simon Haefliger	115
	Unravelling the Immunodynamics of Brain Metastases from NSCLC and Melanoma Chaitanya Vatter	125
10:15 - 10:45	Coffee break	Bistretto
10:45 - 11:15	Keynote lecture 4 Chair Alexandre Theodorides	Waldhorn Saal
	Understanding to treat: cancer cell plasticity in diffuse midline glioma Joana Graca Marques	1003

11:15 - 12:45	Session 4 Chair Alexandre Theocharides	Waldhorn Saal
	Validation and functional characterisation of ncORF derived microproteins in colorectal cancer Aditya Awasthi	102
	Translational control in stem-cell fate decisions Jana Bangerter	104
	Non-viral single-step generation of gene-edited CAR T cells by Sleeping Beauty transposon and CRISPR/Cas9 Morgane Chambovey	108
	RNF43 and ACVR2A mutations co-occur and synergize in gastric cancer Baiké Liu	118
	Vaccination against extracellular vimentin boosts tumor immune cell infiltration and improves survival of glioma-bearing mice Szymon Stanclik	123
12:45 - 13:45	Lunch buffet or packed lunch	Restaurant Seeblick
12:45 - 17:00	Social Activity Hiking	
18:00 - 19:30	Dinner - followed by Poster session 2	Restaurant Seeblick

Modulation of MLH1 Interaction Interfaces for the Induction of Mismatch Repair Deficiency Julia Kushakji	<u>21</u>
Molecular profiling of undifferentiated soft tissue sarcoma Néïs Lartigue	<u>22</u>
Longitudinal Evolution and Therapeutic Response Dynamics in Patient-Derived 3D Models Maite Llop	<u>23</u>
FITC-Mediated Delivery of Mutated IL-2 for Localized Enhancement of Bispecific Antibody Activity Benjamin Louis	<u>24</u>
Understanding the role of the tumor microbiome in colorectal cancer progression Sinja Mischol	<u>26</u>
Identifying and functionally prioritizing CRC-associated bacteria that directly modulate human epithelial tumor states Alexandre Mokorel-Pouye	<u>27</u>
Cancer-cell versus ECM targeting: the impact of target localization and radionuclide emitter on radiobiological responses to targeted radionuclide therapy Ivanina Mutisheva	<u>28</u>
Strategies to enhance CAR-T-cell function and persistence Niloufar Nikkhah Bahrami	<u>29</u>
Investigating lipid-driven ferroptosis vulnerability and antioxidant-mediated protection in neuroblastoma cell lines Nazek Nouredine	<u>30</u>
MICA/B cleavage resistant NKG2D CAR T cells against glioblastoma Maximilian Otto	<u>31</u>
Mechanistic Roles of Immune Cell-Associated Microbiota in Colorectal Cancer Progression Teresa Pacifico	<u>32</u>
Role of positive DNA supercoiling in R-loop-mediated fork stalling Jiri Prokes	<u>33</u>

Identification of Fgl2 as an immunomodulatory candidate expressed by tumor-associated lymphatic endothelial cells Kilian Schibli	<u>35</u>
Exploring microbial-immune interactions in IBD and CRC using advanced tissue imaging Anna Seichter	<u>36</u>
Bridging endothelial CD137-CD137L signaling to immune cell dynamics in metastatic cancer Carla Stornante	<u>37</u>
Multomic Strategy for Modeling Epigenetic Plasticity in Therapy-Resistant Subtypes of Cutaneous T-cell Lymphoma Dimitra Stylios	<u>38</u>
Deciphering early mechanisms driving chromosomal translocations in Ewing Sarcoma Mine Tanriover	<u>39</u>
Metabolic Interventions Drive Neuroblastoma Differentiation Through Translational Reprogramming Yuan Yuan	<u>40</u>

Friday, 28 August 2026

07:00 - 09:15	Breakfast	Restaurant Seeblick
09:15 - 09:45	Keynote lecture 5 Chair Andreas Wicki	Waldhorn Saal
	Circulating tumor cells Nicola Aceto	<u>1001</u>
09:45 - 10:15	Coffee break	Bistretto
10:15 - 11:45	Session 5 Chair Andreas Wicki	Waldhorn Saal
	Identification of YKL-40 as a potential mediator of B7-H3 control of tumor-TME interaction in medulloblastoma Viola Ansuinelli	<u>101</u>
	Evolution of BRAFV600E pediatric glioma tumor cell states under targeted inhibition Luca Baroncini	<u>105</u>
	Gasdermin E Dependent Pyroptosis Determines Drug Sensitivity in Leukemia Uditi Bhatt	<u>107</u>
	Oncoembryology maps reactivated progenitor states driving colorectal cancer progression Hassan Fazilaty	<u>113</u>
	Tumor cell expression of Connexin 43 contributes to lung metastasis Anna La Torraca	<u>117</u>
	Molecular and Spatial Insights into Treatment failure in Pediatric Low Grade Glioma (PLGG) Charbel Machaalani	<u>119</u>
11:45 - 12:00	Poster prize presentation + wrap up Holger Moch & Anne Müller & César Nombela Arrieta	Waldhorn Saal
12:00 - 12:10	Packed lunch and individual departure	Reception