



Workshop

7th International Workshop on the Causes of Childhood Leukemia

Final program (subsequent changes are possible)

Monday, November 28

From 11:00	Registration Welcome coffee	
Session 1 International Perspectives on Childhood Leukemia Chair: Sabine Hornhardt/Gunde Ziegelberger		
12:30	Opening and summary of past workshops	Dr. Ziegelberger/Dr. Hornhardt ◦ BfS Germany
12:45	Social disparities in the incidence of childhood leukaemia: an international perspective	F. Erdmann ◦ Germany
13:10	Four Decades of Learning and Progress About Acute Lymphoblastic Leukemia in India	S. Bakhshi ◦ India
13:35	PEDIAC: the French national program on the origins and causes of pediatric cancers	T. Mercher ◦ France
13:45	<i>Coffee break</i>	
Session 2 Infections and Immunity Chair: Arndt Borkhardt		
14:15	Trained immunity: a memory for innate host defense	M. Netea ◦ Netherlands
14:40	Training Immunity to prevent ALL – challenges and prospects	J. Hauer ◦ Germany
15:05	Early infections and immune development in the etiology of childhood acute lymphocytic leukemia	J. Wiemels ◦ USA
15:30	Modeling infection and trained immunity in acute lymphoblastic leukemia	A. Pandyra ◦ Germany
15:55	Temporal changes of the incidence of childhood leukaemia in Germany during the COVID-19 pandemic: findings from the German Childhood Cancer Registry	F. Erdmann ◦ Germany
From 19:00	<i>Informal get-together at “Bohne & Malz” Sonnenstraße 11, Munich</i>	



Tuesday, November 29

Session 3 Environmental Risk Factors		
Chair: Joachim Schüz		
09:00	Low dose ionizing radiation from medical imaging procedures	M. Hauptmann ◦ Germany
09:25	Natural background radiation & air pollution	B. Spycher ◦ Switzerland
09:50	Residential radon as a risk factor for childhood leukemia – What is the evidence?	A. Auvinen ◦ Finland
10:15	<i>Coffee break</i>	
10:45	Extremely low-frequency magnetic fields and childhood leukaemia: an overview	J. Schüz ◦ France
11:10	The Geocap study	J. Clavel ◦ France
11:35	Childhood Leukemia Environmental Risk Factors (CLERF) Project	D. Baaken ◦ Germany
Breakout Session 12:00-13:00		
CLERF pilot study – why, how, when?		
13:00-14:00	<i>Lunch</i>	
Proffered papers I 14:00-15:00		
Chair: Janine Schmidt		
14:00	Parental occupational exposure to combustion products, metals, silica and asbestos and risk of childhood leukaemia	F. Onyije ◦ France
14:15	Overview of EPRI Research on Powerlines, Plant Nurseries, and Childhood Leukemia	P. Tran ◦ USA
14:30	Mode of delivery and childhood leukemia risk— a Swedish population-based cohort study	C.-E. Kampitsi ◦ Sweden
14:45	28-year incidence and time trends of childhood leukaemia in former East Germany compared to West Germany after German reunification: A study from the German Childhood Cancer Registry	M. Wellbrock ◦ Germany
15:00-15:30	<i>Coffee break</i>	



Session 4 Inflammation and the Bone Marrow Microenvironment		
Chair: Sabine Hornhardt		
15:30	Role of signaling through the TSLP/IL7R in initiation and propagation of acute lymphoblastic leukemia	S. Izraeli ◦ Israel
15:55	Early hematopoietic stages of pediatric acute megakaryoblastic leukemia	N. Bertuccio ◦ Italy
16:20	ETV6::RUNX1 pre-leukemic niche: role of infections and bone marrow microenvironment in leukemic onset	M. Bertagna ◦ Italy
From 19:00	<i>Conference Dinner at „Schneider Bräuhaus“ Tal 7, Munich</i>	

Wednesday, November 30

Proffered papers II 08:45-10:30		
Chair: Omid Azimzadeh		
08:45	Exploring a potential mechanistic role of CpG-specific methylation in the relationship between environmental exposures and childhood acute lymphoblastic leukaemia	J. McKay ◦ UK
09:00	Exploring the potential role of environmentally-associated DNA methylation to contribute to risk of different subtypes of childhood acute lymphoblastic leukaemia	J. Saville ◦ UK
09:15	Breakpoint-agnostic screening for childhood leukemia	E. Marcotte ◦ USA
09:30	Clinical criteria for genetic testing in pediatric oncology show a low specificity and miss every 4th child carrying a cancer predisposition	F. Auer ◦ Germany
09:45	Characterization of a novel JAK3 variant in a family with a history of leukemia and lymphoma	J. Vogt ◦ Germany
10:00	Virus-specific functional hyperresponsiveness in children with ETV6::RUNX1 positive acute lymphoblastic leukemia (ALL)	K.L. Gößling ◦ Germany
10:15	Pathogen sensor engagement and host immune responsiveness dictate the outcome of TLR ligand exposure on precursor B-ALL cell populations	G. Reid ◦ Canada



10:30-11:00	<i>Coffee break</i>	
Session 5 Genetics and Epigenetics		
Chair: Janine Schmidt		
11:00	Identification, functional characterization and management of genetic variants associated to predisposition to childhood Acute Lymphoblastic Leukemia	G. Cazzaniga ◦ Italy
11:25	ETV6, the Gene Responsible for Thrombocytopenia 5, Represses TNF During Stress Hematopoiesis and Regulates HSC Self Renewal	K. Nichols ◦ USA
11:50	Lessons from a low incidence population: the Admixture and Risk of Acute Leukemia (ADMIRAL) study	L. Spector ◦ USA
12:15	Role of ontogeny and transcriptional alterations in pediatric acute megakaryoblastic leukemia	T. Mercher ◦ France
12:45-13:45	<i>Lunch</i>	
13:45	Childhood ALL in the context of RASopathies	H. Cavé ◦ France
14:10	Biological insights into the pathogenesis of aneuploidies in childhood B-ALL	P. Menendez ◦ Spain
14:35	Hyperdiploidy: the longest known, most prevalent but still most enigmatic form of acute lymphoblastic leukemia in children	A. Borkhardt ◦ Germany
Session 6 Discussion		
15:00	Looking around and forward – what to do next?	Ziegelberger/Hornhardt/Schmidt ◦ BfS Germany
15:45	<i>Coffee and Farewell</i>	