

PROGRAM

Wednesday March 11 | 14:00 - 21:00

14:00 - 14:10	Welcome and opening remarks	Evelyn Ullrich & Susana Minguet
Adaptive responses in innate immunity		
Chairs: Chiara Romagnani & Veit Buchholz		
14:10 - 14:35	Somatic heterogeneity and clonal selection of human NK cells	Timo Rückert
14:35 - 14:50	TCF-1 enables stem-like maintenance of NK cell memory	Marine Pujol
14:50 - 15:05	Cooperation of Batf3-Irf4 regulates adaptive NK cell responses by integrating signals from cytokine and activating receptors	Christin Friedrich
15:05 - 15:15	Integrative functional and multi-omics profiling reveals divergent NK cell responses to breast and ovarian cancer cells	Jennifer Wischhusen
15:15 - 16:00	Coffee break	
15:30 - 15:50	Coffee Workshop: BD's Single Cell Multiomics Ecosystem: Delivering Today's Innovation, Enabling Tomorrow's Breakthroughs supported by BD Life Science - Bioscience	Werner Schenkel
Chairs: Adelheid Cerwenka & Toni Cathomen		
16:00 - 16:25	Single-cell map in neonatal cohort reveals common response to bacterial infection and Repair $\gamma\delta$ T cells as the main effectors	Sarina Ravens
16:25 - 16:35	Molecular mechanisms controlling ILC3 plasticity	Michael Kofoed-Branzk
16:35 - 16:45	Decidual-like natural killer cells are expanded in prostate cancer patients and are re-educated towards anti-tumor effector cells, by Stat3 chemical inhibition	Antonino Bruno
16:45 - 17:10	Canonical Wnt pathway utilizes LEF1 to coordinate adaptive NK cell responses	Joseph Sun
17:10 - 17:35	Flashtalks - pitch presentations of the highest ranked 20 abstracts from poster session I	
17:45 - 18:30	DGfI working group meeting	
17:45 - 20:30	Poster session I with Welcome Reception - Foyer AULA	Poster Session I

Thursday March 12 | 09:00 - 18:00

Tissue-resident NK & ILC		
Chairs: Georg Gasteiger & Sarah Recknagel		
09:00 - 09:25	Innate lymphoid cells control organ growth	Andreas Diefenbach
09:25 - 09:40	Immune-endothelial cross-talk in the liver	Ana Stojanovic
09:40 - 09:50	Enteric nervous system-derived VIP restrains differentiation of LGR5+ stem cells towards the secretory lineage impeding type 2 immune programs	Christoph Klose
09:50 - 10:00	COST Action ILC	Ivana Stojanovic
10:00 - 10:30	Short coffee break	

Immune cell regulation pt.1		
Chairs: Markus Uhrberg & Jacques Zimmer		
10:30 - 10:55	Recognition of fungi by NK cells	Ofer Mandelboim
10:55 - 11:10	Hypersialylation and NK cells	Michael o'Dwyer
11:10 -11:25	Metabolic and post-transcriptional aspects of NK cell dysfunction	Thierry Walzer
11:25 - 11:40	Novel insights into serial killing NK cells	Carsten Watzl
11:40 - 11:50	An NKp46–TRAIL immunoreceptor complex mediates tumor cell recognition via death receptors	Fredrik B Thorén
12:00 - 13:30	Lunch break	
12:15 - 13:15	Lunch talk: Cell Culture Process Solutions in Immune Cell Therapie Manufacturing supported by ACRO Biosystems	Beau le Roy

Immune cell regulation pt.2		
Chairs: Lisa Marie Reindl & Carsten Watzl		
13:30 - 13:35	Insights into the Molecular Mechanisms of Proximal $\gamma\delta$ TCR Activation	Susana Minguet
13:55 - 14:20	Uncovering the spatial regulation of $\gamma\delta$ T cells and their receptors	Jürgen Kuball
14:20 - 14:30	Cross-talk between β cells and NK cells shapes immune regulation in autoimmune diabetes	Kevin Bode
14:30 - 14:55	Flash talks - pitch presentations of the highest ranked 20 abstracts from poster session II	
15:00 - 17:00	Poster session II with coffee & tea - Foyer Aula	Poster Session II

Immune cell engineering		
Chairs: Christine Falk & Winfried Wels		
17:00 - 17:25	Novel innate immune engineering strategies to target cancer	Rizwan Romee
17:25 - 17:40	Generation and upscaling of TCR-NK cells as allogeneic cell therapy against infectious and malignant diseases	Dominik Schmiedel
17:40 - 17:55	Functional diversity and cytotoxicity of CAR-NK cells	Alina Moter
17:55 - 18:05	Strength in unity: a dual strategy to restore NK cell cytotoxicity against pancreatic ductal adenocarcinoma	Camille Rolin
18:05 - 18:15	Clinically relevant chemotherapy improves CD70-CAR NK cell therapy in metastatic colorectal cancer	Laura Gehrcken
19:30 - 01:00	Social Event Wodanhalle	

Friday March 13 | 09:00 - 12:00

Generation of immune cell products for clinical application		
Chairs: Ulrike Köhl & Tobias Bexte		
09:00 - 09:15	How can AI advance NK immunotherapy?	Maria Kalweit
09:15 - 09:30	Data-driven strategies to profile human adaptive immune responses	Katharina Imkeller
09:30 - 09:55	Unleashing the whole NK cell compartment with a bi-specific checkpoint blocker	Kalle Malmberg
10:00 - 10:45	Coffee break	
Chairs: Jürgen Kuball & Dominik Schmiedel		
10:45- 10:55	Synthetic cells for overcoming the cryopreservation bottleneck in CAR-NK therapy	Bin Qu
10:55 - 11:05	Development of innovative bioreactor platforms for scalable production of allogeneic NK cell therapeutics	Kristina Roth
11:05 - 11:15	Development of an Off-the-Shelf $\gamma\delta$ T Platform for Allogenic Cell Therapies	Nina Möker
11:15 - 11:40	Harnessing NK cells in cancer therapies	Eric Vivier
11:40 - 12:00	Distribution of Awards - Closing Remarks	Evelyn Ullrich & Susana Minguet
12:00 - 13:30	Lunch break	
12:15 - 13:15	Lunch talk by Miltenyi Biotec	

13:30 - 15:00

Workshop: Translation & Clinical application of engineered immune cells

Chair: Eric Vivier

Presenter: 1. Martin Zörnig 2. Jürgen Kuball 3. Winfried Wels 4. Harry Dolstra 5. Ulrike Köhl 6. Evren Alici 7. Kalle Malmberg 8. Rizwan Romee 9. Michael o'Dwyer 10: Evelyn Ullrich

15:00 - 15:15

Short Coffee Break

15:15 - 16:00

Round table discussion: Challenges and opportunities: Shaping immune cell therapy

Chairs: Evelyn Ullrich, Eric Vivier & Adelheid Cerwenka

