

Natural Killer Cell Symposium 2017 Düsseldorf

March 9-11, 2017

Thursday, 09.03.2017		
12:00	Registration open	
13:45-14:00	Welcome address	Roland Jacobs / Markus Uhrberg
Session 1: NK cells and infection		
Chairperson: Jörg Timm		
14:00 - 14:30	Mala Maini London, UK	NK cells in the hepatitis B infected liver: a double-edged sword?
14:30 - 15:00	Philipp Lang Düsseldorf, Germany	NK cell mediated regulation of anti-viral T cell immunity
15:00 - 15:15	Marcus Altfeld Hamburg, Germany	NK cell recognition of HIV-1-infected cells
15:15 - 15:30	Anita Schuch Heidelberg, Germany	Adaptive diversification of NK-cell subsets in chronic HBV infection
15:30 - 15:45	Christine Thöns Düsseldorf, Germany	NKG2Cpos NK cells associated with CMV infection inhibit expansion of activated virus-specific CD8 T cells
15:45 - 16:00	Philippe Krebs Bern, Switzerland	Regulation of antiviral T-cell response via modulation of NK cell function
16:00-16:30	Coffee break	
Keynote Lecture		
Chairperson: Heidi Cerwenka		
Sponsor: Innate Pharma		
16:30-17:30	Lewis Lanier San Francisco, USA	Generation of NK cell memory
17:30 -17:45	General Assembly of the NK Cell Study Group in the German Society for Immunology	
17:45 - 19:45	Poster Session I (even numbers) - Welcome Reception - sponsored by Affimed	

Friday, 10.03.2017		
Session 2: NK cell subsets and memory		
Chairperson: Jacques Zimmer		
09:00 - 09:30	Karl-Johan Malmberg Oslo, Norway	The Secretory Lysosome as a Programmable Signalling Hub
09:30 - 10:00	Amir Horowitz New York, USA	Decoding the HLA immunogenetics underlying NK cell education reveals NK cell subsets with enhanced anti-viral and -tumor functions
10:00 - 10:15	Chiara Romagnani Berlin, Germany	Antigen specificity of NKG2C+ adaptive NK cells
10:15 - 10:30	Nicole Marquardt Huddinge, Sweden	Tissue-resident NK cells in the human lung
10:30 - 10:45	Sebastian Lunemann Hamburg, Germany	Hobit expression defines a subset of tissue-resident CD56bright NK cells in the human liver
10:45-11:15	Coffee break	
Session 3: NK cells and cancer		
Chairperson: Alexander Steinle		
11:15 - 11:45	Thierry Walzer Lyon, France	mTOR acts as a molecular rheostat controlling Natural Killer education
11:45 - 12:00	Helmut Salih Tübingen, Germany	Modulation of NK cell antitumor reactivity by platelets
12:00 - 12:15	Valentina Carannante Stockholm, Sweden	Novel platform for studying infiltration, migration and cytotoxicity of human Natural Killer cells in solid tumors
12:15 - 12:30	Cathal Harmon Dublin, Ireland	Liver resident Eomeshi Tbetlo natural killer cells undergo apoptosis in metastatic tumour microenvironment

12:30 - 12:45	Jens Pahl Heidelberg, Germany	CD16A-specific tumor targeting of NK cells by tetravalent AFM13 enhances NK cell cytotoxicity and proliferation in the presence of IgG
12:45-13:45	Lunch	
Session 4: Innate lymphoid cells		
Chairperson: Roland Jacobs		
13:45 - 14:15	Marco Colonna St. Louis, USA	Regulation of ILC functions
14:15 - 14:30	Andreas Diefenbach Berlin, Germany	Innate lymphoid cells and the control of organ homeostasis
14:30 - 14:45	Georg Gasteiger Freiburg, Germany	CD25-dependent IL-2 signals contribute to physiologic responses of NK cells and ILC1
14:45 - 15:00	Benjamin Krämer Bonn, Germany	Lack of NKp80 expression define a liver-resident CD49a(+) NK cell subset with ILC1-like features
15:00 - 15:30	Coffee break	
Roundtable discussion: How do we define NK cells in the age of ILCs?		
Chairperson: Markus Uhrberg		
15:30 - 16:15	Participants: Marco Colonna, Andreas Diefenbach, Lewis Lanier, Karl-Johan Malmberg, Eric Vivier	
16:15 - 18:00	Poster session II (odd numbers)	
19:00	Departure of buses from Hotels to location	
19:30	Dinner for all registered participants at Tafelsilber	

Saturday, 11.03.2017

Session 5: NK/ILC development and regulation

Chairperson: Evelyn Ullrich

09:00 - 09:30	Eric Vivier Marseille, France	Functions of innate lymphoid cells
09:30 - 09:45	Emily Mace Houston, USA	MCM10 is required for human NK cell development and homeostasis
09:45 - 10:00	Imran House Munich, Germany	How killer cells are protected from their own weaponry: a sweet end to the perforin tail
10:00 - 10:15	Moritz Anft Dortmund, Germany	The regulation of Natural Killer cell detachment as a key factor for serial killing and effector function
10:15 - 10:30	Adrian Sagebiel Amsterdam, The Netherlands	Development of the mucosal NK cell compartment in infants
10:30-11:00	Coffee break	

Session 6: Clinical aspects of NK cells

Chairperson: Winfried Wels

11:00 - 11:30	Dario Campana Singapore	Expanded NK cells for cancer therapy
11:30 - 11:45	Torsten Tonn Dresden, Germany	CAR engineered "off-the-shelf" natural killer cells (NK-92) for targeted cancer immunotherapy
11:45 - 12:00	Ulrike Köhl Hannover, Germany	CAR expressing NK cells for cancer treatment
12:00 - 12:15	Ralf Dressel Göttingen, Germany	The tumorigenicity of pluripotent stem cells transplanted into the heart is reduced by the activity of natural killer cells
12:15 - 12:30	Catharina Gross Münster, Germany	IL-2 receptor modulation restores impaired regulation of T-cell activity in multiple sklerosis
12:30	Final remarks and departure	