	10th of September
TIME	**Lecture Hall, Institute for Neuroanatomy (Building N61)**
08:30-18:00	**Registration opens**
09:30-12:30	**Young Academy meeting**
13:45-14:00	**Welcome address: Marcus Altfeld**
14:00-15:40	**Session I: NK cells and infection** **Chair: Lutz Walter**
14:00-14:40	**Salim Khakoo - KIR2DS2 recognizes highly conserved flaviviral peptides in the context of MHC class I**
14:40-14:55	Markus Uhrberg - KIR polymorphism modulates the size of the adaptive NK cell pool in chronic HCMV infection
14:55-15:10	Martha Böning - Role of ADAP in NK cell-activation and the initiation of innate immunity to bacterial infections
15:10-15:25	Christine Thöns - NK cells from CMV-Seropositive Donors Inhibit Virus-Specific CD8 T cells
15:25-15:40	Sebastian Lunemann - Interactions Between KIR3DS1 and HLA-F Activate Natural Killer Cells to Control HCV
15:40-16:15	**Coffee Break**
16:15-18:00	**Session II: NK cell subsets and memory** **Chair: Chiara Romagnani**
16:15-16:55	**Joseph Sun - Epigenetic control of NK cell memory**
16:55-17:10	Victoria Stary - Human liver- and skin-derived NK cells exhibit antigen-specific memory responses
17:10-17:25	Judith Secklehner - Intravascular resident Natural Killer cells shape neutrophil dynamics in the pulmonary vasculature
17:25-17:40	Stephanie Jost - Semaphorin 7A as a potential immune regulator of cytokine-induced memory-like responses by human natural killer cells
17:40-17:55	Beatrix Petersen - NKG2 receptors in CMV-infected rhesus macaques
18:00-18:30	**General Assembly of the NK cell Study Group in the German Society of Immunology**
18:30-20:00	**Poster Session 1 (even numbers) - Welcome Reception - sponsored by Affimed**
20:00-21:30	**Meet and Greet**

	11th of September
TIME	**Lecture Hall, Institute for Neuroanatomy (Building N61)**
09:00-10:40	**Session III: NK cell function and metabolics** **Chair: Adelheid Cerwenka**
09:00-09:40	**David Finlay - What fuels Natural Killer Cell anti-tumour responses**
09:40-09:55	Cathal Harmon - Lactate mediated acidification of tumour microenvironment induces apoptosis of liver-resident NK cells in colorectal liver metastasis
09:55-10:10	Hanna van Ooijen - Natural killer cells switch mechanism of cytotoxicity from Granzyme B to Caspase 8-induced cytolysis during serial killing
10:10-10:25	Lutz Walter - Transcriptomic and functional analyses of human NK cells suggest a role for NMUR1 as specific stimulator of CD56dim NK cells
10:25-10:40	Evelyn Ullrich -Enhancing the activation and releasing the brakes of NK cells for treatment of Multiple Myeloma
10:40-11:10	**Coffee Break**
11:10-12:50	**Session IV: NK cell development and education** **Chair: Markus Uhrberg**
11:10-11:50	**Sophie Ugolini - Neuroendocrine regulation of NK cell functions**
11:50-12:05	Thuy Luu - SHP-1, Reactive Oxygen Species, and General Phosphorylation Status are Linked with Functional Education of NK cells
12:05-12:20	Annika Niehrs - Identification of HLA-DP molecules as new ligands for the natural cytotoxicity receptor NKp44

12:20-12:35	Vera Schwane - Deep immune-receptor profiling reveals significant differences in NK-cell receptor repertoires between individuals and functionally divergent NK-cell subsets
12:35-12:50	Kerstin Stegmann - Hepatocytes promote survival of liver-resident NK cells
12:50-14:20	**Lunch Break**
14:20-16:25	**Session V: ILCs and NK cells in tissues** **Chair: Jan-Eric Turner**
14:20-15:00	**Zusen Fan - tba**
15:00-15:15	Ralf Dressel - The cardiac ejection fraction is preserved in mice lacking innate lymphoid cells (ILCs) despite pressure overload
15:15-15:30	Iva Filipovic - Molecular definition of group 1 innate lymphoid cells in the mouse uterus
15:30-15:45	Christine Zimmer - NK cells are robustly activated and primed for skin-homing during acute dengue virus infection in humans
15:45-16:25	**Eric Vivier - Innate Lymphoid cells: heterogeneity and cancer immunotherapy**
16:25-16:55	**Coffee Break**
16:55-18:15	**Poster Session 2 (odd numbers)**
19:00	**Departure of buses from Hotels to Dinner Location**
19:30	**Dinner for all registered participants at La Vela Restaurant**

	12th of September
TIME	**Lecture Hall, Institute for Neuroanatomy (Building N61)**
09:00-09:40	**Ashely Moffet - Interaction of uterine NK cells with placental trophoblast cells**
09:40-11:05	**Session VI: NK cell imaging and new technologies** **Chair: Carsten Watzl**
09:40-10:20	**Emily Mace - Multiscale quantitative image analysis of human NK cell development**
10:20-10:35	Valentina Carannante - Characterization of Poliovirus Receptor in 3D cultures of Renal Carcinoma cells and its role in shaping Natural Killer cell activity in the tumor microenvironment
10:35-10:50	Veit Buchholz - Retrogenic color-barcoding for in vivo fate-mapping of single NK cells during infection
10:50-11:05	Jan Raabe - Role of human ILC3 in the modulation of hepatic fibrogenesis
11:05-11:35	**Coffee Break**
11:35-14:00	**Session VII: NK cells and cancer** **Chair: Ingo Müller**
11:35-12:15	**Ming Li - Re(de)fining type 1 innate lymphocytes in the face of cancer**
12:15-12:30	Florian Babor - CD16xCD33 and CD16xIL15xCD33 Bi- and Trispecific Killer Cell Engagers (BiKE/TriKE) as potential immunotherapy in Pediatric Patients with AML and Biphenotypic ALL
12:30-12:45	Joachim Koch - Developing first-in-class immune cell engagers to redirect and activate immunity to fight cancer
12:45-13:00	Anais Eberhardt - Decipher the role of IL-33 as an activator of NK cells anti-tumor activity
13:00-13:40	**Hergen Spits - Identification of novel transitional ILC populations in human**
13:40-14:00	**Final remarks/Prizes and Departure**