
Wednesday, 07. September 2022

Satellite Symposium

09:30 - 13:30

Hörsaal F

Satellite Symposium 1: Innate and Adaptive Signals received via the gamma-delta TCR and alpha-beta TCR / DFG Research Group FOR2799

Chair: Immo Prinz, DE

Chair: Sarina Ravens, DE

Welcome	09:30 - 09:35
<i>Speaker:</i> Immo Prinz, DE <i>Speaker:</i> Sarina Ravens, DE	
What makes gamma delta T cell innate-like reactivity possible?	09:35 - 10:05
<i>Speaker:</i> Yueh-hsiu Chien, US	
Developmental dynamics of unconventional T cells	10:05 - 10:35
<i>Speaker:</i> Andreas Krueger, DE	
The TCR repertoire of the largest unconventional T-cell population in human cord blood is imprinted by agonist selection	10:35 - 10:55
<i>Speaker:</i> Guillem Sánchez Sánchez, BE	
Coffee break / Poster session/ Networking	10:55 - 12:00
Regulatory CD8 T cells in autoimmunity and infection	12:00 - 12:30
<i>Speaker:</i> Mark M. Davis, US	
TCR recognition, CAR signaling and costimulation - new insights obtained with a Jurkat reporter platform	12:30 - 13:00
<i>Speaker:</i> Peter Steinberger, AT	
Optogenetics: Activation of the gamma delta TCR is controlled by kinetic proofreading	13:00 - 13:30
<i>Speaker:</i> Wolfgang Schamel, DE	

Satellite Symposium

09:30 - 13:00

Hörsaal D

Satellite Symposium 3: AK Allergy & Immunology and ÖGAI „COVID-19 and allergy“

Chair: Erika Jensen-Jarolim, AT

Chair: Lennart Rösner, DE

Chair: Stefanie Gilles, DE

COVID-19, viral diseases and allergy	09:30 - 10:00
<i>Speaker:</i> Stefanie Gilles, DE	
SARS-Cov-2 vaccination and anaphylaxis	10:00 - 10:30
<i>Speaker:</i> Wolfgang Pfützner, DE	
Cellular immunity to SARS-Cov-2	10:30 - 11:00
<i>Speaker:</i> Bernhard Kratzer, AT	
Break	11:00 - 11:30
From analysis of SARS-CoV-2-specific immune responses to a novel	11:30 - 12:00

protein subunit vaccine

Speaker: Pia Gattinger, AT

Update COVID-19 and allergen immunotherapy

12:00 - 12:30

Speaker: Wolfram Hötzenecker, AT

Mucosal barrier and long-Covid

12:30 - 13:00

Speaker: Eva Untersmayr-Elsenhuber, AT

Satellite Symposium

09:30 - 13:30

Hörsaal G

Satellite Symposium 4: AK Transplantation Immunology

Chair: Katja Kotsch, DE

Chair: Constanca Ferreira de Figueiredo, DE

Ferroptosis-inhibition: New therapeutic options for early hepatic ischemia reperfusion damage

09:30 - 10:00

Speaker: Elke Eggenhofer, DE

Non-HLA and genome wide genetic incompatibility

10:00 - 10:30

Speaker: Roman Reindl-Schweighofer, AT

Glycan profiling of pericardium from genetically modified pig bred for xenotransplantation

10:30 - 11:00

Speaker: Falk Büttner, DE

Xenogeneic Heart Transplantation - Progress and Setbacks

11:00 - 11:30

Speaker: Maren Mokolke, DE

Satellite Symposium

09:30 - 13:30

Hörsaal H

Satellite Symposium 5: RESIST Cluster of Excellence

Chair: Reinhold Förster, DE

Chair: Ulrich Kalinke, DE

Welcome by R. Förster

09:30 - 09:35

Speaker: Reinhold Förster, DE

Sars-Cov-2 / Vaccinations

The 3As of emerging SARS-CoV-2 variants: ACE2, activators and antibodies

09:35 - 10:05

Speaker: Stefan Pöhlmann, DE

Protection where it matters: Respiratory Delivery of MVA SARS-CoV-2 Vector Vaccine

10:05 - 10:25

Speaker: Berislav Bosnjak, DE

A mix and match story: understanding the immune system responses to heterologous or homologous ChAdOx1nCoV-19/BTN162b2 vaccination against SARS-CoV-2

10:25 - 10:45

Speaker: Joana de Barros Martins, DE

Activity of broadly neutralizing antibodies against sarbecoviruses: a trade-off between SARS-CoV-2 variants and distant coronaviruses?

10:45 - 11:05

	<i>Speaker:</i> Thomas Krey, DE	
	Coffee break	11:05 - 11:35
	Therapeutic interventions	
	Dynamic postnatal maturation and response capabilities of $\gamma\delta$ and $\alpha\beta$ T cells in preterm neonates	11:35 - 11:55
	<i>Speaker:</i> Ximena Leon Lara, DE	
	Perinatal Innate Immune Programming by S100-alarmins	11:55 - 12:10
	<i>Speaker:</i> Dorothee Viemann, DE	
	The sleeping beauty: Macrophages in modern infection medicine	12:10 - 12:30
	<i>Speaker:</i> Nico Lachmann, DE	
	Systems Immunology	
	Exploiting T cells to control HDV infection	12:30 - 12:50
	<i>Speaker:</i> Helenie Kefalakes, DE	
	Investigating the immune response to Varicella zoster virus to identify risk factors for severe courses. First insights into the RESIST VZV cohort data	12:50 - 13:10
	<i>Speaker:</i> Lennart Rösner, DE	
	Mechanisms underlying weak and strong immune responses in COVID-19 vaccines	13:10 - 13:30
	<i>Speaker:</i> Lennart Riemann, DE	
<i>Poster Exhibition</i>		
09:30 - 19:00		Poster Exhibition
Poster Exhibition		
<i>Industry Exhibition</i>		
09:30 - 19:00		Industry Exhibition
Industry Exhibition		
<i>Satellite Symposium</i>		
11:00 - 13:30		Hörsaal A
	Satellite Symposium 2: Research Focus Group “Natural Killer Cells”	
	<i>Chair:</i> Evelyn Ullrich, DE	
	<i>Chair:</i> Markus Uhrberg, DE	
P 282	Deconvoluting global cytokine signaling networks in natural killer cells	11:00 - 11:15
	<i>Oral Presenter:</i> Gabriela M Wiedemann, DE	
P 279	Postnatal ILC homeostasis and function is controlled by distinct subset-specific microRNA regulomes	11:15 - 11:30
	<i>Oral Presenter:</i> Mario Witkowski, DE	
P 155	Identification of novel colorectal cancer targets using patient-	11:30 - 11:45

	derived organoid/natural killer cell co-cultures	
	<i>Oral Presenter:</i> Andreas von Kries, DE	
P 277	CD33 delineates two functionally distinct NK cell populations divergent in cytokine production and antibody-mediated cellular cytotoxicity	11:45 - 12:00
	<i>Oral Presenter:</i> Markus Uhrberg, DE	
	Break	12:00 - 12:30
P 244	Robust platform for non-viral <i>Sleeping Beauty</i>-transposon engineering of highly potent CAR-NK cells	12:30 - 12:45
	<i>Oral Presenter:</i> Lisa Marie Reindl, DE	
P 280	Host <i>KIR/HLA-C</i> genotypes determine HIV-mediated changes of the NK cell repertoire and are associated with <i>Vpu</i> sequence variations impacting downmodulation of <i>HLA-C</i>	12:45 - 13:00
	<i>Oral Presenter:</i> Timo Trenkner, DE	
P 217	C5a signalling in myeloid cells participates to the exhaustion of Innate lymphoid cells type 2 in <i>anin vitromodel</i>	13:00 - 13:15
	<i>Oral Presenter:</i> Rabia Ülkü Korkmaz, DE	
P 154	<i>Heterogenous response of primary breast and ovarian cancer cells to activated NK cells</i>	13:15 - 13:30
	<i>Oral Presenter:</i> Jennifer Wischhusen, DE	
	<i>Industry Symposium</i> 13:45 - 14:45	Hörsaal A
	Industry Symposium - Becton Dickinson	
	<i>Industry Symposium</i> 13:45 - 14:45	Hörsaal D
	Industry Symposium - Ultivue	
	<i>Industry Symposium</i> 13:45 - 14:45	Hörsaal G
	Industry Symposium - 10x Genomics	
	<i>Industry Symposium</i> 13:45 - 14:45	Hörsaal H
	Industry Symposium - Beckman Coulter Life Sciences	
	<i>Press Conference</i> 14:00 - 14:30	Hörsaal F
	Press Conference	
	<i>Welcome Message</i> 15:00 - 15:30	Hörsaal A
	Welcome Message	
	Begrüßung	15:00 - 15:05

	<i>Speaker:</i> Christine S. Falk, DE <i>Speaker:</i> Erika Jensen-Jarolim, AT	
	Grußwort	15:05 - 15:10
	<i>Speaker:</i> Björn Thümler (Nds. Minister für Wissenschaft und Kultur), DE	
	Grußwort	15:10 - 15:15
	<i>Speaker:</i> Michael P. Manns (Präsident der Medizinischen Hochschule Hannover), DE	
	Schlussworte	15:15 - 15:20
	<i>Speaker:</i> Christine S. Falk, DE <i>Speaker:</i> Erika Jensen-Jarolim, AT	
<i>Young Immunologists</i>		
15:30 - 17:05		Hörsaal A
Young Immunologists Symposium		
<i>Chair:</i> Katja Knapp, AT <i>Chair:</i> Sabrina B. Bennstein, DE		
YI 01	A cell cycle view of T-cell development	15:30 - 15:45
	<i>YI Presenter:</i> Heike Kunze-Schumacher, DE	
YI 02	Development of a universal coronavirus vaccine (PanCoVax)	15:45 - 16:00
	<i>YI Presenter:</i> Mohammed O. Abdelaziz, DE	
YI 03	Production of proinflammatory cytokines by tissue resident memory T cells is regulated by the integrated stress response pathway	16:00 - 16:15
	<i>YI Presenter:</i> Nariaki Asada, DE	
YI 04	High-resolution 3D imaging of blood and lymphatic channel systems in entire murine lymph nodes	16:15 - 16:30
	<i>YI Presenter:</i> Inken D. Kelch, NZ	
YI 05	Joint forces - Synergizing microbiota-derived metabolites and T cell engineering for improved antitumor efficacy	16:30 - 16:45
	<i>YI Presenter:</i> Maik Luu, DE	
YI 06	Reprogramming of human innate immunity after birth constrains the respiratory epithelial defense and fuels systemic inflammatory responses against the Influenza A virus	16:45 - 17:00
	<i>YI Presenter:</i> Maike Willers, DE	
	YI outlook	17:00 - 17:05
	<i>Speaker:</i> Katja Knapp, AT	
<i>President's Symposium</i>		
17:15 - 19:15		Hörsaal F
President's Symposium		
<i>Chair:</i> Christine S. Falk, DE		
	Welcome Note	17:15 - 17:20
	Otto-Westphal Awardee	17:20 - 17:30
	Fritz-und-Ursula-Melchers Awardee	17:30 - 17:40

Herbert-Fischer Awardee	17:40 - 17:50
Werner-Müller Awardee	17:50 - 18:00
Werner-Müller Awardee	18:00 - 18:10
Georges-Köhler Awardee	18:10 - 18:20
Laudatio Deutscher Immunologie-Preis 2020	18:20 - 18:25
Deutscher Immunologie-Preis 2020	18:25 - 18:45
<i>Awardee:</i> Thomas Boehm, DE	
Laudatio Deutscher Immunologie-Preis 2022	18:45 - 18:50
<i>Speaker:</i> Christine S. Falk, DE	
Deutscher Immunologie-Preis 2022	18:50 - 19:10
<i>Awardee:</i> Özlem Türeci, DE	
<i>Awardee:</i> Uğur Şahin, DE	
<i>Awardee:</i> Katalin Karikó, DE	
Closing	19:10 - 19:13

Networking Reception
19:15 - 20:30

Networking Reception

Industry Exhibition

Thursday, 08. September 2022

Workshop

08:30 - 10:00

Hörsaal A

Workshop 01: COVID-19 I

Chair: Alexander Scheffold, DE

Chair: Chris Mueller, FR

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|-------|---|---------------|
| O 001 | Untimely TGFβ responses in COVID-19 limit antiviral functions of NK cells | 08:30 - 08:45 |
| | <i>Oral Presenter:</i> Caroline Tizian, DE | |
| O 002 | Vaccine based on folded RBD-PreS fusion protein with potential to induce sterilizing immunity to SARS-CoV-2 variants | 08:45 - 09:00 |
| | <i>Oral Presenter:</i> Pia Gattinger, AT | |
| O 003 | Head-to-head analysis of heterologous ChAdOx1 nCoV-19-priming and BNT162b2 or mRNA-1273-boosting with homologous COVID-19 vaccine regimens including effects of a third booster dose | 09:00 - 09:15 |
| | <i>Oral Presenter:</i> Verena Klemis, DE | |
| O 004 | Functionality of antigen-specific T cell receptor repertoires after SARS-CoV-2 vaccination | 09:15 - 09:30 |
| | <i>Oral Presenter:</i> Katharina Kocher, DE | |
| O 005 | Randomized Controlled Phase III Trial of C5a Specific Vilobelimab in Mechanically Ventilated Patients with COVID-19 | 09:30 - 09:45 |
| | <i>Oral Presenter:</i> Michael Bauer, DE | |
| O 006 | Lung versus Blood: Compartmentalization of the Host Response in Critical COVID-19 | 09:45 - 10:00 |
| | <i>Oral Presenter:</i> Holger A. Lindner, DE | |

Workshop

08:30 - 10:00

Hörsaal D

Workshop 02: Infectious diseases - mechanisms and interventions I

Chair: Jonathan Jantsch, DE

Chair: Anca Dorhoi, DE

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|-------|---|---------------|
| O 007 | STING is a critical sensor in CD4⁺ T cells during malaria that stimulates type 1 IFN production that promotes development of IL-10-producing Th1 (Tr1) cells | 08:30 - 08:45 |
| | <i>Oral Presenter:</i> Christian Engwerda, AU | |
| O 008 | Distinct contributions of the innate immune receptors TLR2 and RP105 to formation and architecture of structured granulomas in <i>Mycobacterium tuberculosis</i>-infected mice | 08:45 - 09:00 |
| | <i>Oral Presenter:</i> Antje Blumenthal, AU | |
| O 009 | CD47 restricts antiviral function of alveolar macrophages during influenza A virus infection | 09:00 - 09:15 |
| | <i>Oral Presenter:</i> Torben Knuschke, DE | |
| O 010 | Identification of protective immune mechanisms during rickettsial infections | 09:15 - 09:30 |
| | <i>Oral Presenter:</i> Jessica Rauch, DE | |

O 011	Deficiency of the deubiquitinating enzyme OTUB2 impairs macrophage function during listeriosis and upon Poly(I:C) stimulation	09:30 - 09:45
	<i>Oral Presenter:</i> Sarah Beyer, DE	
O 012	Defective early life CD8 T cell priming in congenital cytomegalovirus disease	09:45 - 10:00
	<i>Oral Presenter:</i> Luís Fonseca Brito, DE	
<i>Workshop</i> 08:30 - 10:00		Hörsaal G
Workshop 03: Allergology - basic and translational concepts		
<i>Chair:</i> Wolfgang Schamel, DE <i>Chair:</i> Ursula Wiedermann-Schmidt, AT		
O 013	4-1BB/4-1BB ligand signaling might link skin inflammation, chronic itch and ocular complications in atopic dermatitis	08:30 - 08:40
	<i>Oral Presenter:</i> Christina Kritsima, DE	
O 014	The small molecule inhibitor BX-795 induces a CD4⁺ T helper phenotype resembling iTreg characterized by increased IL-2 production and absence of Th2 effector cytokines	08:40 - 08:50
	<i>Oral Presenter:</i> Peter Tauber, AT	
O 015	Single-cell profiling of immune and tissue cells of atopic dermatitis and psoriasis reveal disease-specific cell subsets, gene expression profiles and differential immune crosstalk	08:50 - 09:00
	<i>Oral Presenter:</i> Lennart Rösner, DE	
O 016	B cell therapy for prophylactic tolerance induction towards a major grass pollen allergen	09:00 - 09:10
	<i>Oral Presenter:</i> Lisa Prickler, AT	
O 017	In vivo prevention of <i>Alternaria alternata</i> allergy can be accomplished by binding of iron quercetin to the major mold allergen Alt a 1	09:10 - 09:20
	<i>Oral Presenter:</i> Aila Fakhimahmadi, AT	
O 018	Impact of murine allergic asthma on pIgR-mediated airway immunity and pneumococcal colonization	09:20 - 09:30
	<i>Oral Presenter:</i> Alexander Pausder, DE	
O 019	MC-derived TNF is crucial for resolution of skin inflammation and tissue remodeling	09:30 - 09:40
	<i>Oral Presenter:</i> Martin Voss, DE	
O 020	Art v 1 IgE epitopes of patients and humanized mice are conformational	09:40 - 09:50
	<i>Oral Presenter:</i> Maja Zabel, AT	
O 021	Flow cytometric characterization of bronchoalveolar lavage cells reveals a Th17 bias in severe equine asthma	09:50 - 10:00
	<i>Oral Presenter:</i> Christiane L. Schnabel, DE	

Workshop

08:30 - 10:00

Hörsaal H

Workshop 04: Autoimmunity and chronic inflammation I

Chair: Christine S. Falk, DE

Chair: Dietmar Zehn, DE

- O 022 **Propionate induced bacterial-derived histamine promotes resolution of synovial inflammation** 08:30 - 08:45
Oral Presenter: Kerstin Dürholz, DE
- O 023 **Sustained gp130 signaling in T cells causes unrestricted T_H17 cell responses and severe lung inflammation** 08:45 - 09:00
Oral Presenter: Emily Valentina Madelaine Huth, DE
- O 024 **Store-Operated Calcium Entry Controls Innate and Adaptive Immune Cell Function in Inflammatory Bowel Disease** 09:00 - 09:15
Oral Presenter: Marilena Letizia, DE
- O 025 **Regulation of IL-1 α production by the inflammasome in human Th17 cells** 09:15 - 09:30
Oral Presenter: Alisa Puhach, DE
- O 026 **The IL-33/amphiregulin axis regulates immunity in acute and chronic liver disease** 09:30 - 09:45
Oral Presenter: Selina Wachtendorf, DE
- O 027 **Epigenetic and transcriptional regulation of colonic epithelial cells and its correlation with intestinal inflammation at consecutive stages of DSS colitis** 09:45 - 10:00
Oral Presenter: Elif Gelmez, DE

Workshop

08:30 - 10:00

Hörsaal N

Workshop 05: Myeloid and dendritic cells I

Chair: Björn E. Clausen, DE

Chair: Matthias Gunzer, DE

- O 028 **Homeostatic IL-13 in healthy skin directs dendritic cell differentiation to promote TH2 and inhibit TH17 cell polarization** 08:30 - 08:45
Oral Presenter: Johannes Mayer, DE
- O 029 **E-cadherin deficiency impairs Langerhans cell homeostasis and drives microbial dysbiosis in the oral mucosa** 08:45 - 09:00
Oral Presenter: Anna Brand, DE
- O 030 **Transcriptional programming of cDC1 dysfunctionality by PGE₂-signaling in tumor tissue disables the orchestration of protective anticancer immunity** 09:00 - 09:15
Oral Presenter: Jan P. Böttcher, DE
- O 031 **Heterogeneity and function of conventional dendritic cells from early to adult life** 09:15 - 09:30
Oral Presenter: Barbara Schraml, DE
- O 032 **A cross-tissue protein profiling atlas reveals distinct cDC2 subpopulations within the murine conventional dendritic cell network** 09:30 - 09:45
Oral Presenter: Lukas Amon, DE

O 033 **Birch pollen extract enhances human cytomegalovirus replication in monocyte-derived dendritic cells** 09:45 - 10:00

Oral Presenter: Zeinab Fneish, DE

Poster Exhibition

08:30 - 13:00

Poster Exhibition

Poster Exhibition

Industry Exhibition

08:30 - 17:30

Industry Exhibition

Industry Exhibition

Main Session

10:30 - 12:00

Hörsaal F

Main Session 1: Tumor Immunology

Chair: Adelheid Cerwenka, DE

Chair: Gerhard Zlabinger, DE

Immune Receptor Signals in T Cell Malignancy

10:30 - 11:00

Speaker: Jürgen Ruland, DE

Single cell deconvolution of the inflammatory cancer microenvironment

11:00 - 11:30

Speaker: Dominik Wolf, AT

Standing on the shoulders of mice

11:30 - 12:00

Speaker: Mark M. Davis, US

Main Session

10:30 - 12:00

Hörsaal A

Main Session 2: Innate Immunity

Chair: Markus Uhrberg, DE

Chair: Ari Waisman, DE

Identification of an endogenous TLR4 agonist driving metaflammation

10:30 - 11:00

Speaker: Eicke Latz, DE

Innate Lymphoid Cells

11:00 - 11:30

Speaker: Andreas Diefenbach, DE

Neutrophil regulation of T cell-mediated adaptive immunity

11:30 - 12:00

Speaker: Tanya Mayadas-Norton, US

Main Session

10:30 - 12:00

Hörsaal D

Main Session 3: Transplantation and $\gamma\delta$ T cells

Chair: Alex Rosenkranz, DE

Chair: Martina Sester, DE

New Insights and Opportunities in Transplantation

10:30 - 11:00

Speaker: Megan Sykes, US

	Treg therapies for tolerance induction	11:00 - 11:30
	<i>Speaker:</i> Nina Pilat-Michalek, AT	
	Antigen-expanded CD8+ gamma delta T cells with a NK-like phenotype and function respond in persistent infection	11:30 - 12:00
	<i>Speaker:</i> Yueh-hsiu Chien, US	
<i>YI Joint Workshop</i> 12:15 - 13:15		Hörsaal D
	Joint Workshop „Gender & career working group“	
	<i>Chair:</i> Tal Pecht, DE	
	<i>Chair:</i> Lorenz Kretschmer, DE	
	YI Workshop	12:15 - 13:15
	<i>Speaker:</i> Lorenz Kretschmer, DE	
<i>Industry Symposium</i> 12:15 - 13:15		Hörsaal G
	Industry Symposium - Thermo Fisher Scientific	
<i>Industry Symposium</i> 12:15 - 13:15		Hörsaal H
	Industry Symposium - Miltenyi Biotec B.V. & Co. KG	
<i>Industry Symposium</i> 12:15 - 13:15		Hörsaal N
	Industry Symposium - Standard BioTools	
<i>Industry Symposium</i> 12:15 - 13:15		Hörsaal E
	Industry Symposium - Cytex Biosciences	
<i>Poster Session</i> 13:00 - 14:00		Poster Exhibition
	Poster Session 1: Antigen presentation and vaccination	
	<i>Chair:</i> Ottmar Janßen, DE	
P 001	Differential induction of lung-resident memory T cells through infection or viral vector immunization	13:00 - 14:00
	<i>Poster Presenter:</i> Anna Schmidt, DE	
P 002	Varicella zoster virus (VZV) specific immune response in dialysis patients after vaccination with the herpes zoster attenuated vaccine	13:00 - 14:00
	<i>Poster Presenter:</i> Franziska Hielscher, DE	
P 003	Milestones to a cure: a path to uncovering HLA-C*06:02 restricted antigen triggers in psoriasis	13:00 - 14:00
	<i>Poster Presenter:</i> Asolina Braun, AU	
P 004	Molecular predictors identifying elite responders to Covid-19 vaccines	13:00 - 14:00
	<i>Poster Presenter:</i> Ivan Odak, DE	

P 005	BNT162b2 boosted neutralizing antibody titers after heterologous or homologous ChAdOx1nCoV-19/BNT162b2 vaccination <i>Poster Presenter:</i> Swantje I. Hammerschmidt, DE	13:00 - 14:00
P 006	HBV vaccination non-responsiveness is associated with the expression of HLA-DQ2 and the presence of autoantibodies <i>Poster Presenter:</i> Annett Ziegler, DE	13:00 - 14:00
P 007	Transmolecular-Butyrophilin3A PAg-signalling in PAg mediated activation of Vγ9V62T cells <i>Poster Presenter:</i> Thomas Herrmann, DE	13:00 - 14:00
P 008	Distinct single component adjuvants steer human DC-mediated T cell polarization via Toll-like receptor signaling towards a potent antiviral immune response <i>Poster Presenter:</i> Ger van Zandbergen, DE	13:00 - 14:00
P 009	Recombinant grass pollen allergy vaccine BM32 as an antiviral approach: Breaking immunological non-responsiveness to HBV <i>Poster Presenter:</i> Inna Tulaeva, AT	13:00 - 14:00
P 010	Vaccination with SARS-CoV-2 spike glycoprotein: the adjuvant is crucial for an antiviral immune response <i>Poster Presenter:</i> Maike Bälkner, DE	13:00 - 14:00
P 012	The effect of an MCMV-based vaccine expressing the full-length parental SARS-CoV-2 spike for protection against beta and omicron infections in an aged mouse model <i>Poster Presenter:</i> Kristin Metzdorf, DE	13:00 - 14:00
P 013	The effect of adjuvant on the immunogenicity of MVA-SARS-2-S vaccine after single intranasal administration in mice <i>Poster Presenter:</i> Kim Do, DE	13:00 - 14:00
P 014	The pneumococcal conjugate vaccine PCV13 induces a robust diphtheria-specific immune response in adults <i>Poster Presenter:</i> Magdalena Hagen, AT	13:00 - 14:00
P 015	Distribution of Swine Leukocyte Antigen (SLA) haplotypes in European farmed pigs <i>Poster Presenter:</i> Sabine E. Hammer, AT	13:00 - 14:00
P 016	Transcriptome Profiling of Porcine Naïve, Intermediate and Terminally Differentiated CD8⁺ T Cells <i>Poster Presenter:</i> Emil Lagumdžić, AT	13:00 - 14:00
P 017	Identification of <i>Aspergillus fumigatus</i> antigens relevant in severe Equine Asthma <i>Poster Presenter:</i> Maria-Christin Jentsch, DE	13:00 - 14:00
P 018	Characterisation of the immune system of Ellegaard Göttingen Minipigs - an important large animal model in experimental medicine <i>Poster Presenter:</i> Clara P.S. Pernold, AT	13:00 - 14:00

Poster Session

13:00 - 14:00

Poster Exhibition

Poster Session 1: Myeloid and dendritic cells I

Chair: Annett Ziegler, DE

- P 032 **Unraveling the importance of HIF-1 α in myeloid cell differentiation in metaflammation** 13:00 - 14:00
Poster Presenter: Collins Osei-Sarpong, DE
- P 033 **Select hyperactivating NLRP3 ligands enhance the TH1- and TH17-inducing potential of human type 2 conventional dendritic cells** 13:00 - 14:00
Poster Presenter: Lukas Heger, DE
- P 034 **Innate PD-L1 limits T cell-mediated adipose tissue inflammation and ameliorates diet-induced obesity** 13:00 - 14:00
Poster Presenter: Viviane Schmidt, DE
- P 035 **Regnase-3 in kidney-resident M ϕ controls severity of AKI and AKI-CKD transition by degrading pre-mRNAs that drive their polarization towards a pro-inflammatory M1 phenotype** 13:00 - 14:00
Poster Presenter: Chenyu Li, DE
- P 036 **Probabilistic deep learning identifies intratumoral clustering of stimulatory CXCL9⁺ cDC1 with CD8⁺ T cells as determinant of protective anticancer immunity** 13:00 - 14:00
Poster Presenter: Jan P. Böttcher, DE
- P 037 **Absence of tyrosine kinase 2 (TYK2) enhances host resistance to *C. albicans* skin infection** 13:00 - 14:00
Poster Presenter: Sara Miranda, AT
- P 038 **Farnesol, a Quorum-Sensing Molecule of *Candida albicans*, Alters Sphingolipid Metabolism in Dendritic Cells** 13:00 - 14:00
Poster Presenter: Maria Batliner, DE
- P 039 **Foxo3 is a crucial mediator of anti-inflammatory actions of glucocorticoids in proinflammatory monocytes** 13:00 - 14:00
Poster Presenter: Katarzyna Barczyk-Kahlert, DE
- P 040 **Immune regulatory programs in human dendritic cells upon immunization with live and UV-inactivated *Chlamydia trachomatis*** 13:00 - 14:00
Poster Presenter: Katja Knapp, AT
- P 041 **Targeting Platelet-Neutrophil interaction in experimental bacteremia** 13:00 - 14:00
Poster Presenter: Lisa Wohlgemuth, DE
- P 042 **Inflammation induces pro-NETotic neutrophils via TNFR2 signaling** 13:00 - 14:00
Poster Presenter: Niko Heineken, DE

Poster Session

13:00 - 14:00

Poster Exhibition

Poster Session 1: COVID-19 I

Chair: Berislav Bosnjak, DE

- P 019 **Differences in the immunogenicity of heterologous Ad26.COV.2/BNT162b2 vaccination compared to other** 13:00 - 14:00

heterologous and homologous COVID-19 vaccine regimens

Poster Presenter: Verena Klemis, DE

P 020 **Immunogenicity of two doses of the NVX-CoV2373 SARS-CoV-2 vaccine in comparison to homologous BNT162b and mRNA1273 regimens** 13:00 - 14:00

Poster Presenter: Franziska Hielscher, DE

P 021 **COVID-19 vaccination induces humoral and cellular immunity to SARS-CoV-2 with cross-recognition of the Omicron variant and IgA secretion** 13:00 - 14:00

Poster Presenter: Louisa Ruhl, DE

P 022 **Investigation of the relationship between Immune Age and Vaccination against SARS-CoV-2** 13:00 - 14:00

Poster Presenter: Maren Claus, DE

P 023 **In depth immunophenotyping of patients with cardiovascular disease stratifies patients with high risk for severe course of COVID-19** 13:00 - 14:00

Poster Presenter: Stella E. Autenrieth, DE

P 024 **Endothelial dysfunction determines severe COVID-19 in combination with dysregulated lymphocyte responses and cytokine networks** 13:00 - 14:00

Poster Presenter: Louisa Ruhl, DE

P 025 **TLR2-mediated innate sensing of SARS-CoV-2 in circulating monocytes and NK cells** 13:00 - 14:00

Poster Presenter: Gabor Tajti, AT

P 026 **The dark side of neutrophil extracellular traps during SARS-CoV-2-infections in humans and hamsters** 13:00 - 14:00

Poster Presenter: Maren von Köckritz-Blickwede, DE

P 027 **A novel strategy of structure-guided vaccine design to enhance the availability of immunogens** 13:00 - 14:00

Poster Presenter: Christoph Ratswohl, DE

P 028 **Unique lasting effects on immune composition and autoantibody prevalence after mild SARS-CoV-2 infections** 13:00 - 14:00

Poster Presenter: Holger Lingel, DE

P 029 **Comparative magnitude and persistence of humoral SARS-CoV-2 vaccination responses in the general adult population in Germany** 13:00 - 14:00

Poster Presenter: Monika Strengert, DE

P 030 **Vaccine-induced spike-specific humoral and cellular immunity supports triple vaccination in individuals with Down syndrome** 13:00 - 14:00

Poster Presenter: Tina Schmidt, DE

P 031 **Novel, orally available immune modulator MP1032 with pan-variant anti-SARS-CoV-2 and anti-inflammatory activity** 13:00 - 14:00

Poster Presenter: Sara Schumann, DE

Poster Session

13:00 - 14:00

Poster Exhibition

Poster Session 01

General Assembly

13:15 - 14:00

Hörsaal D

General Assembly YI

Plenary

14:00 - 15:30

Hörsaal F

Plenary Session 1: COVID-19 SPECIAL

Chair: Ralf Bartenschlager, DE

Chair: Melanie Brinkmann, DE

Monoclonal antibodies to prevent and treat COVID-19

14:00 - 14:30

Speaker: Florian Klein, DE

Viral variant-resolved wastewater surveillance of SARS-CoV-2 at national scale

14:30 - 15:00

Speaker: Andreas Bergthaler, AT

Human Tissue immunity in infection and vaccination

15:00 - 15:30

Speaker: Donna L. Farber, US

Poster Exhibition

14:00 - 15:30

Poster Exhibition

Poster Exhibition

Poster Session

15:30 - 16:15

Poster Exhibition

Poster Session 2: Infectious diseases - mechanisms and interventions I

Chair: Christina Zielinski, DE

P 064 **MHC class Ia molecules facilitate MCK2-mediated MCMV infection of macrophages and virus dissemination to the salivary gland**

15:30 - 16:15

Poster Presenter: Berislav Bosnjak, DE

P 066 **Ablation of OTUD7B in dendritic cells confers protection against ECM**

15:30 - 16:15

Poster Presenter: Kunjan Harit, DE

P 067 **Visualizing the dynamics of human and mouse Cytomegalovirus-specific T cells and infected targets in lung explants**

15:30 - 16:15

Poster Presenter: Laura Ospina-Quintero, DE

P 068 **Silent neonatal influenza A virus infection shapes long-term antimicrobial immunity**

15:30 - 16:15

Poster Presenter: Anna Sophie Heinemann, DE

P 069 **The role of CD160 in the control of helminth infection**

15:30 - 16:15

Poster Presenter: Lennart Heepmann, DE

P 070 **HLA-F as activating NK cell receptor ligand on CD4 T cells in HIV-1 infection**

15:30 - 16:15

	<i>Poster Presenter:</i> Sébastien Brias, DE	
P 071	Cell-intrinsic Ac activity modulates the course of <i>Plasmodium yoelii</i> infection	15:30 - 16:15
	<i>Poster Presenter:</i> Anne Günther, DE	
P 072	Co-inhibitory rich T cells in acute malaria are not exhausted but gain regulatory function	15:30 - 16:15
	<i>Poster Presenter:</i> Mathias Riehn, DE	
P 073	HCMV downregulates TAP expression in dendritic cells independent of US2-6 and US11 and differentially affects surface expression of specific HLA-I alleles	15:30 - 16:15
	<i>Poster Presenter:</i> Jennifer Becker, DE	
P 074	A correlation-network's view on alveolar epithelial transcription responses to influenza/pneumococcal co-infection	15:30 - 16:15
	<i>Poster Presenter:</i> Andreas Jeron, DE	
P 075	Filariae trigger eosinophil ETosis in a mitochondrial ROS- and NADPH oxidase-dependent manner	15:30 - 16:15
	<i>Poster Presenter:</i> Alexandra Ehrens, DE	
P 076	Increased expression of multiple co-inhibitory molecules on malaria-induced CD8⁺ T cells are associated with increased function instead of exhaustion	15:30 - 16:15
	<i>Poster Presenter:</i> Johannes Brandi, DE	
P 077	Immune suppressive role for the C-type lectin MINCLE during <i>Strongyloides ratti</i> infection in mice	15:30 - 16:15
	<i>Poster Presenter:</i> Lara Linnemann, DE	
P 078	The C-terminus of <i>Plasmodium falciparum</i> circumsporozoite protein is the target of non-protective antibodies	15:30 - 16:15
	<i>Poster Presenter:</i> Opeyemi Ernest Oludada, DE	
P 079	Cytomegalovirus infection interferes with intestinal homeostasis and affects the course of colitis in mice	15:30 - 16:15
	<i>Poster Presenter:</i> Kai Robin Pfeifer, DE	
P 080	Sentrin-specific protease-1, -2 and -5 impair the control of <i>Listeria monocytogenes</i> in human THP-1 derived macrophages	15:30 - 16:15
	<i>Poster Presenter:</i> Johanna Bernadette Fischer, DE	
P 081	HIV-1 infection of macrophages primes CD56^{dim} NK cells for enhanced effector function	15:30 - 16:15
	<i>Poster Presenter:</i> Leonore Mensching, DE	
P 082	NAD⁺ prevents septic shock by non-canonical inflammasome blockade and IL-10	15:30 - 16:15
	<i>Poster Presenter:</i> Jasper Iske, DE	
P 083	Identification of epitopes on rhinovirus 89 capsid proteins capable of inducing neutralizing antibodies	15:30 - 16:15
	<i>Poster Presenter:</i> Katarzyna Niespodziana, AT	

Poster Session

15:30 - 16:15

Poster Exhibition

Poster Session 2: Mucosal immunity and microbiome

Chair: Guntram Graßl, DE

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|-------|---|---------------|
| P 084 | Segmented filamentous bacteria prevent murine norovirus-induced colitis
<i>Poster Presenter:</i> Silvia Bolsega, DE | 15:30 - 16:15 |
| P 085 | A Notch/STAT3-driven Blimp-1/c-Maf-dependent molecular switch induces IL-10 expression in human CD4+ T cells and is defective in Crohn's Disease patients
<i>Poster Presenter:</i> Alexander Scheffold, DE | 15:30 - 16:15 |
| P 086 | Microbiota-derived butyrate promotes memory potential of effector CD8+ T cells and melanoma control
<i>Poster Presenter:</i> Annabell Bachem, AU | 15:30 - 16:15 |
| P 087 | Modulation of intestinal anti-viral Immunity in Neonates by Maternal Antibody
<i>Poster Presenter:</i> Katharina Lahl, SE | 15:30 - 16:15 |
| P 088 | Role of STAT6-regulated genes in macrophages and intestinal epithelial cells in host immunity against helminths
<i>Poster Presenter:</i> Stefanie Westermann, DE | 15:30 - 16:15 |
| P 089 | Effects of bile acids on epithelial cell renewal and mucosal inflammation
<i>Poster Presenter:</i> Ole Hinrichs, DE | 15:30 - 16:15 |
| P 090 | Amitriptyline predisposes the host for enteric infection
<i>Poster Presenter:</i> Erik Lange, DE | 15:30 - 16:15 |
| P 091 | Identification and characterization of T cell target proteins from <i>Candida albicans</i>
<i>Poster Presenter:</i> Ann-Kristin Kamps, DE | 15:30 - 16:15 |
| P 092 | Repeated intranasal SEB-administration shows a long-term impact on the local immune environment and modulates allergic airway inflammation in a time- and dose-dependent manner
<i>Poster Presenter:</i> Ilka Jorde, DE | 15:30 - 16:15 |
| P 093 | FLOW AND IMAGING MASS CYTOMETRY-BASED IMMUNE PROFILING OF HUMAN PEYER'S PATCHES IN INFLAMMATORY BOWEL DISEASE
<i>Poster Presenter:</i> Adrian Huck, DE | 15:30 - 16:15 |
| P 094 | Intestinal stem cells mediate age-dependent intestinal T cell development
<i>Poster Presenter:</i> Madeleine Bunders, DE | 15:30 - 16:15 |
| P 095 | Topology and function of secretory IgA in gut and liver communication
<i>Poster Presenter:</i> Hormoz Noormohammadian, DE | 15:30 - 16:15 |
| P 096 | Direct induction of TGF-β signaling by <i>Anaeroplasma</i>, a member of the intestinal microbiota
<i>Poster Presenter:</i> Victoria von Goetze, DE | 15:30 - 16:15 |

Poster Session
15:30 - 16:15

Poster Exhibition

Poster Session 02

Poster Session
15:30 - 16:15

Poster Exhibition

Poster Session 2: Allergology - basic and translational concepts

Chair: Lennart Rösner, DE

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|-------|---|---------------|
| P 043 | Clonally propagated T cells that infiltrate the skin in atopic dermatitis react to skin microbiota with a Th1 response | 15:30 - 16:15 |
| | <i>Poster Presenter:</i> Rebecca Pospich, DE | |
| P 044 | Different organ-homing abilities of disease-driving T cells in the chronic inflammatory diseases atopic dermatitis and psoriasis may account for clinical co-morbidities | 15:30 - 16:15 |
| | <i>Poster Presenter:</i> Lennart Rösner, DE | |
| P 045 | Beta-lactoglobulin complexed with zinc counterbalances allergy by stimulating innate immunity via lipocalin-interacting membrane receptor (LIMR) | 15:30 - 16:15 |
| | <i>Poster Presenter:</i> Hanna Mayerhofer, AT | |
| P 046 | Development and evaluation of nanobody trimers for targeting Bet v 1 and its cross-reactive allergens | 15:30 - 16:15 |
| | <i>Poster Presenter:</i> Clarissa Bauernfeind, AT | |
| P 047 | Generation and evaluation of an ICAM1-specific nanobody for topical treatment of birch pollen allergy | 15:30 - 16:15 |
| | <i>Poster Presenter:</i> Ines Zettl, AT | |
| P 048 | Assessment of first molecular steps in antigen processing of methylisothiazolinone indicates the development of potential self-neoantigens | 15:30 - 16:15 |
| | <i>Poster Presenter:</i> Sebastian Wolf, DE | |
| P 049 | Impaired immunity to the commensal yeast <i>Malassezia</i> in atopic skin | 15:30 - 16:15 |
| | <i>Poster Presenter:</i> Fiorella Ruchti, CH | |
| P 050 | The allergy-protective farm effect: whey protein beta-lactoglobulin secreted to stable environment as immune-modulatory agent | 15:30 - 16:15 |
| | <i>Poster Presenter:</i> Isabella Pali-Schöll, AT | |
| P 051 | Anti CCL17/22 Aptamers as Possible Therapeutic Agents to Suppress Inflammation in Contact Hypersensitivity | 15:30 - 16:15 |
| | <i>Poster Presenter:</i> Marlene Gottschalk, DE | |
| P 052 | Characterization of allergen-specific T and B cell responses and deep sequencing of the IgE repertoire after controlled nasal allergen provocation | 15:30 - 16:15 |
| | <i>Poster Presenter:</i> Mohammed Zghaebi, AT | |
| P 054 | Prophylactic approach for tolerance induction in a murine model of the major birch pollen allergy, Bet v 1 | 15:30 - 16:15 |
| | <i>Poster Presenter:</i> Raffaella Campana, AT | |
| P 055 | Purification and characterization of recombinant <i>Blomia Tropicalis</i> | 15:30 - 16:15 |

allergens expressed in Escherichia coli

Poster Presenter: Nishelle Dsouza, AT

- P 056 **Bioactivity of food allergen-specific blocking IgG antibodies induced during sublingual immunotherapy with rMald1 and rBetv1** 15:30 - 16:15
Poster Presenter: Hilal Demir, AT
- P 057 **The impact of *Staphylococcus aureus* nasal carriage on allergic airway inflammation and peripheral tolerance in a mouse model** 15:30 - 16:15
Poster Presenter: Franka Sittel, DE
- P 058 **Allergy protection by raw milk: The effect of different milk samples on lipocalin-interacting membrane receptor** 15:30 - 16:15
Poster Presenter: Isabella Pali-Schöll, AT
- P 059 **The ability of the mold allergen Alt a 1 to sequester the vitamin A metabolite retinoic acid diminishes its Th2 immune response in vitro** 15:30 - 16:15
Poster Presenter: Aila Fakhimahmadi, AT
- P 060 **Probiotic *E. coli* O83 releases outer membrane vesicles that reduce the development of allergic airway inflammation in mice** 15:30 - 16:15
Poster Presenter: Anna Schmid, AT
- P 061 **A high-molecular weight fraction derived from birch pollen extracts is capable of inducing dendritic cell activation and Th2 polarization independently of Bet v 1** 15:30 - 16:15
Poster Presenter: Erica Pelamatti, AT
- P 062 **Relevance of contraindicated pharmaceutical formulations for children with peanut allergy** 15:30 - 16:15
Poster Presenter: Varsha Dwivedi, AT
- P 063 **Improvement of virus-like nanoparticle (VNP)-based hypoallergenic allergy vaccine by membrane-bound cytokines** 15:30 - 16:15
Poster Presenter: Al Nasar Ahmed Sehgal, AT
- P 063A **Tropomyosin is the clinically most relevant shrimp allergen and accordingly most important target for allergen-specific immunotherapy** 15:30 - 16:15
Poster Presenter: Eszter Sarzsinszky, AT
- P 063B **Development of a wheat allergen chip for analysis of wheat allergen-specific antibody responses** 15:30 - 16:15
Poster Presenter: Andrea Krisai, AT

Workshop
16:00 - 17:30

Hörsaal A

Workshop 06: Regulatory and helper T cells

Chair: Friederike Berberich-Siebelt, DE

Chair: Charlotte Esser, DE

- O 034 **Impact of microbiota-derived metabolites and stromal cells on the adaption and retention of regulatory T cells in peripheral tissues** 16:00 - 16:10
Oral Presenter: Svetlina Georgieva, DE
- O 035 **Characterization of microbe-specific CD4 T cell responses in Inflammatory Bowel Disease** 16:10 - 16:20

	<i>Oral Presenter:</i> Gabriela Rios Martini, DE	
O 036	Amplifying CAR-Treg function and stability by spatial expression of IL-2	16:20 - 16:30
	<i>Oral Presenter:</i> Jakob Kremer, DE	
O 037	Glutamate dehydrogenase-dependent PGE₂ and IL-10 production in monocyte and microglia potentiates Treg induction	16:30 - 16:40
	<i>Oral Presenter:</i> Fabien U. Prodjinotho, DE	
O 038	CD73-mediated adenosine production by T cell-derived extracellular vesicles constitutes an intrinsic mechanism of immune suppression	16:40 - 16:50
	<i>Oral Presenter:</i> Riekje Winzer, DE	
O 039	Zfp362 plays a redundant role for Th17 cell development and function	16:50 - 17:00
	<i>Oral Presenter:</i> Lisa Hoenicke, DE	
O 040	Neuropilin-1⁺CD8⁺ T cells exacerbate experimental cerebral malaria and acute lymphocytic choriomeningitis virus infection	17:00 - 17:10
	<i>Oral Presenter:</i> Hanna Abberger, DE	
O 041	Additional exogenous FOXP3 ensures purity and lineage stability of modified CAR-Tregs in adoptive cell therapy	17:10 - 17:20
	<i>Oral Presenter:</i> Pierre Henschel, DE	
O 042	HLA-DP is expressed on effector CD8⁺ T cells and upregulated on memory CD8⁺ T cell subsets in HCMV⁺ individuals	17:20 - 17:30
	<i>Oral Presenter:</i> Benedetta Padoan, DE	
 <i>Workshop</i> 16:00 - 17:30		Hörsaal D
Workshop 07: Mucosal immunity and microbiome		
<i>Chair:</i> Dirk Schlüter, DE		
<i>Chair:</i> Till Strowig, DE		
O 043	Noninvasive assessment of gut function using transcriptional recording sentinel cells	16:00 - 16:10
	<i>Oral Presenter:</i> Jakob Zimmermann, CH	
O 044	Early-life vitamin A treatment rescues neonatal infection-induced long-lastingly impaired lymph node operativeness	16:10 - 16:20
	<i>Oral Presenter:</i> Mangge Zou, DE	
O 045	A defined bacterial community restores immunity in germ-free mice via maturation of the intestinal vascular system	16:20 - 16:30
	<i>Oral Presenter:</i> Rossana Victoria Romero Perez, DE	
O 046	The role of the fungal virulence factor Ece1 in homeostatic immunity towards <i>Candida albicans</i>	16:30 - 16:40
	<i>Oral Presenter:</i> Julia Lagler, CH	
O 047	CD8⁺ T cells in <i>H. pylori</i> infection - phenotype, function and specificity	16:40 - 16:50
	<i>Oral Presenter:</i> Maximilian R. Koch, DE	
O 048	Neonatal Peyer's patch cDC activation as a pacemaker of postnatal	16:50 - 17:00

immune maturation

Oral Presenter: Natalia Torow, DE

O 049 **The impact of OSM on intestinal epithelial cells and barrier functions in health and disease** 17:00 - 17:10

Oral Presenter: Roodline Cineus, DE

O 050 **Strategically positioned resident immune cells shape distinct immunological landscapes along the murine epididymis** 17:10 - 17:20

Oral Presenter: Christiane Pleuger, DE

O 051 **Metabolite-specific protein translation in MAIT cells and monocytes** 17:20 - 17:30

Oral Presenter: Josefine Jakob, DE

Workshop

16:00 - 17:30

Hörsaal G

Workshop 08: Antigen presentation and vaccination

Chair: Isabelle Bekeredjian-Ding, DE

Chair: Luka Cicin-Sain, DE

O 052 **B cell depletion impairs CD8⁺ T cell responses upon vaccination in a type I interferon-dependent manner** 16:00 - 16:10

Oral Presenter: Theresa Graalman, DE

O 053 **Protective mucosal immunity against SARS-CoV-2 after heterologous systemic RNA-mucosal adenoviral vector immunization** 16:10 - 16:20

Oral Presenter: Dennis Lapuente, DE

O 054 **An MCMV-based vaccine expressing full-length parental SARS-CoV-2 spike provides long-lived and broad protection against beta and omicron infection in mice** 16:20 - 16:30

Oral Presenter: Henning Jacobsen, DE

O 055 **Ipsilaterateral administration of secondary vaccination induces higher neutralizing antibody activity and CD8 T cell responses compared to contralateral vaccination** 16:30 - 16:40

Oral Presenter: Laura Ziegler, DE

O 056 **Antigen cross-presentation by murine proximal tubular epithelial cells induces cytotoxic and inflammatory CD8⁺ T cells** 16:40 - 16:50

Oral Presenter: Katrin Neumann, DE

O 057 **Tuning of adaptive immune responses by TNF at the level of C-type lectin receptor expression** 16:50 - 17:00

Oral Presenter: Robert Blumberg, DE

O 058 **Spatial, structural and density determinants of DC:T cell interaction under immunostimulatory conditions** 17:00 - 17:10

Oral Presenter: Damir Vurnek, DE

O 059 **Innovative vaccination strategy against COVID19 based on Multi-Epitope Peptide and Nanoparticle Technology** 17:10 - 17:20

Oral Presenter: Hassan Elsayed, EG

O 060 **Association of porcine Swine Leukocyte Antigen (SLA) haplotypes with B- and T-cell immune response to foot-and-mouth disease** 17:20 - 17:30

virus (FMDV) peptides

Oral Presenter: Sabine E. Hammer, AT

Workshop

16:00 - 17:30

Hörsaal H

Workshop 09: Cytokines, immunodeficiencies and neuroimmunology

Chair: Ari Waisman, DE

Chair: Peter Steinberger, AT

- O 061 **New unexpected role of CXCL12-CXCR4 signalling in erythropoiesis** 16:00 - 16:10
Oral Presenter: Julia Christine Gutjahr, GB
- O 062 **Peripheral mast cell-derived RANKL is a prerequisite for lymphocyte egress from distant lymph nodes** 16:10 - 16:20
Oral Presenter: Konstantinos Katsoulis-Dimitriou, DE
- O 063 **Titanium Nanoparticles Enhance Production and Suppress Stabilin-1-Mediated Clearance of GDF15 in Human Primary Macrophages** 16:20 - 16:30
Oral Presenter: Lina Susana Silva Bermudez, DE
- O 064 **Longitudinal dynamics of soluble and cellular immune mediators identified cytokine/chemokine signatures potentially associated with recovery in pediatric liver transplantation (pLTx)** 16:30 - 16:40
Oral Presenter: Evgeny Chichelnitskiy, DE
- O 065 **Impaired T cell development in the thymus of infants with Down Syndrome** 16:40 - 16:50
Oral Presenter: Annika Boxnick, DE
- O 066 **Stroke differentially impacts immune cells loss in systemic and intestinal lymphoid organs** 16:50 - 17:00
Oral Presenter: Ali Ata Tuz, DE
- O 068 **Central nervous system-specific chimeric antigen receptor regulatory T cells for the therapy of multiple sclerosis** 17:00 - 17:10
Oral Presenter: Valerie Saetzler, DE
- O 069 **Reemergence of pathogenic B cell clones in autoimmune myasthenia gravis following B cell depletion therapy** 17:10 - 17:20
Oral Presenter: Miriam L Fichtner, US

Workshop

16:00 - 17:30

Hörsaal N

Workshop 10: Tumor immunology and microenvironment

Chair: Gisa Tiegs, DE

Chair: Markus Feuerer, DE

- O 070 **Mucosal vaccination with a viral vector vaccine induces robust lung-resident T cell responses and protects against 4T1 metastasis** 16:00 - 16:10
Oral Presenter: Friederike Oltmanns, DE
- O 071 **IL-17A-producing CD8⁺ T cells promote PDAC via induction of inflammatory cancer-associated fibroblasts** 16:10 - 16:20
Oral Presenter: Veronika Lutz, DE
- O 072 **AllergoOncology: Cetuximab-like anti-EGFR IgE antibody facilitates** 16:20 - 16:30

	the interaction of mast cells with EGFR⁺ human hepatocarcinoma cells	
	<i>Oral Presenter:</i> Nataliya Rohr-Udilova, AT	
O 073	Depletion of epithelial-derived IL-33 aggravates intestinal inflammation and cancer	16:30 - 16:40
	<i>Oral Presenter:</i> Eva Pastille, DE	
O 074	Mucosal-associated invariant T cells are rendered functionally exhausted within the tumour microenvironment in HCC in a cell-contact dependent manner	16:40 - 16:50
	<i>Oral Presenter:</i> Junika Pohl, DE	
O 075	Chronic exposure to G-CSF due to growing tumor leads to aberrant antibacterial responses of neutrophils	16:50 - 17:00
	<i>Oral Presenter:</i> Ekaterina Pylaeva, DE	
O 076	Chemoradiotherapy-induced increase in Th17 cell frequency in cervical cancer patients is associated with therapy resistance and early relapse	17:00 - 17:10
	<i>Oral Presenter:</i> Barbara Walch-Rückheim, DE	
O 077	Cannabinoid receptor 2 creates a suppressive tumor immune microenvironment in a mouse model of lung cancer and predicts responsiveness to anti-PD-1 antibody treatment	17:10 - 17:20
	<i>Oral Presenter:</i> Arailym Sarsembayeva, AT	
O 078	Dual blockage of PD-L/PD-1 and IL33/ST2 axes slows tumor growth and improves antitumor immunity by boosting NK cells	17:20 - 17:30
	<i>Oral Presenter:</i> Marina Jovanović, RS	
<i>Poster Exhibition</i>		
16:15 - 17:30		Poster Exhibition
Poster Exhibition		
<i>Poster Session</i>		
17:30 - 18:30		Poster Exhibition
Poster Session 03		
<i>Poster Session</i>		
17:30 - 18:30		Poster Exhibition
Poster Session 3: Cytokines, immunodeficiencies and neuroimmunology		
<i>Chair:</i> Constanca Ferreira de Figueiredo, DE		
P 109	P2X7 regulates IL-1alpha mediated inflammation in chronic kidney disease	17:30 - 18:30
	<i>Poster Presenter:</i> Dalia Alansary, DE	
P 110	<u>The anti-inflammatory cytokine IL-37 along with IL-1RII are preferentially expressed in perilesional psoriatic skin.</u>	17:30 - 18:30
	<i>Poster Presenter:</i> Miriam Wittmann, DE	
P 111	Cholinergic control of ATP-mediated interleukin-1β release in monocytes involves endothelial NO synthase and P2X7 receptor nitrosylation	17:30 - 18:30

	<i>Poster Presenter:</i> Veronika Grau, DE	
P 112	Inhibitors of WNT signalling alleviate inflammation in sepsis patients	17:30 - 18:30
	<i>Poster Presenter:</i> Antje Blumenthal, AU	
P 113	IL-22BP:Fc Administration During Acetaminophen-induced Acute Liver Injury	17:30 - 18:30
	<i>Poster Presenter:</i> Jessica Raith, DE	
P 114	Role of CCL17 and CCL22 in IL-33-induced Fibrosis of Adipose Tissue	17:30 - 18:30
	<i>Poster Presenter:</i> Manja Thiem, DE	
P 115	ADAM10 modulates CD4 T helper cell mediated intestinal immune homeostasis	17:30 - 18:30
	<i>Poster Presenter:</i> Ireliolu M Ogunsulire, DE	
P 116	TLR4-mediated core histone degradation drives immune tolerance in human monocytes	17:30 - 18:30
	<i>Poster Presenter:</i> Ihab Azzam, DE	
P 117	Epigenetic Regulation of Resolution by miRNAs in Cystic Fibrosis	17:30 - 18:30
	<i>Poster Presenter:</i> Ralf Schubert, DE	
P 118	Release of the Immune Checkpoint Protein V-Domain Ig Suppressor of T Cell Activation is modulated by Macrophage Differentiation and Polarization	17:30 - 18:30
	<i>Poster Presenter:</i> Gaetan Aime Noubissi Nzeteu, DE	
P 119	Aberration in DNA methylation may explain the diverse clinical phenotypes in primary immunodeficiency	17:30 - 18:30
	<i>Poster Presenter:</i> Manfred Anim, DE	
P 120	Novel IRF2BP2 mutations in PAD patients with hepatic disease	17:30 - 18:30
	<i>Poster Presenter:</i> Manfred Anim, DE	
P 121	Evaluation of radiosensitivity and DNA repair with Comet test in patients with STAT3-LOF and ZNF341 deficiency	17:30 - 18:30
	<i>Poster Presenter:</i> Sara Sebnem Kilic, TR	
P 122	Epigenetic regulation in B cell function in Ataxia-telangiectasia patients with IgA deficiency	17:30 - 18:30
	<i>Poster Presenter:</i> Ruth Pia Dücker, DE	
P 124	MAVS signaling in microglia transcriptionally defines the functionality of CNS infiltrating CD8+ T cells during viral encephalitis	17:30 - 18:30
	<i>Poster Presenter:</i> Andreas Pavlou, DE	
P 125	The BrEndO mouse - a new mouse model to study T cell-driven vasculitis of the central nervous system	17:30 - 18:30
	<i>Poster Presenter:</i> Ines Schädlich, DE	
P 125A	Th17 contributes to brain inflammation in depression	17:30 - 18:30
	<i>Poster Presenter:</i> Michel Edwar Mickael, PL	

Poster Session

17:30 - 18:30

Poster Exhibition

Poster Session 3: Autoimmunity and chronic inflammation I

Chair: Matthias Lochner, DE

- P 097 **Low-dose, short-term anti-CD3 therapy can reestablish intrahepatic immune tolerance in experimental murine autoimmune hepatitis** 17:30 - 18:30
Poster Presenter: Matthias Hardtke-Wolenski, DE
- P 098 **Absence of regulatory T cell function leads to AIBD-related specific B cells and pathogenic anti-Col7 autoantibody causing blisters by a non-inflammatory mechanism** 17:30 - 18:30
Poster Presenter: Elisabeth Vicari, DE
- P 099 **Expression of inflammatory, anti-inflammatory and tissue restorative genes by both Ly6C^{hi} and Ly6C^{int/} monocyte/macrophage subsets in murine acute and chronic liver disease** 17:30 - 18:30
Poster Presenter: Fitriasari Jonin, DE
- P 100 **Dendritic cells are involved in the resolution of inflammation by IVIg in arthritis** 17:30 - 18:30
Poster Presenter: Christian H.K. Lehmann, DE
- P 101 **Specific secretion of alarmins S100A8/A9 via Gasdermin-D pores exacerbates autoinflammation in Familial Mediterranean Fever** 17:30 - 18:30
Poster Presenter: Judith Austermann, DE
- P 102 **The role of FcγRIIB expression on B cells for anti-DNA autoantibody development in SLE** 17:30 - 18:30
Poster Presenter: Nina Gleußner, DE
- P 103 **Dissecting immunomodulatory effects of liposomal methotrexate, a potential next generation medicine for rheumatoid arthritis treatment** 17:30 - 18:30
Poster Presenter: Anna Ohradanova-Repic, AT
- P 104 **Peripheral activation of the melanocortin-1-receptor maintains UV-B-induced immunosuppression and reduces CNS inflammation in experimental autoimmune encephalomyelitis** 17:30 - 18:30
Poster Presenter: Nadine Mykicky, DE
- P 105 **Type 1 conventional dendritic cells maintain and guide the differentiation of precursors of exhausted T cells in distinct cellular niches** 17:30 - 18:30
Poster Presenter: Ana Maria Mansilla Merlano, DE
- P 107 **Estrogen receptor signaling in Th cell subsets in the development of Systemic lupus erythematosus** 17:30 - 18:30
Poster Presenter: Alisier Malard, DE
- P 108 **The role of joint-draining lymph node stromal cells in inflammatory arthritis** 17:30 - 18:30
Poster Presenter: Anna Hendel, DE

Poster Session

17:30 - 18:30

Poster Exhibition

Poster Session 3: Tumor immunology and microenvironment

Chair: Annette Paschen, DE

P 145	Unraveling the phenotypic coevolution of melanoma cells and neutrophils fostering metastasis and therapy resistance <i>Poster Presenter:</i> Zülal Cibir, DE	17:30 - 18:30
P 146	CRTH2 as a pro-tumorigenic driver in the tumor microenvironment of experimental models of colon cancer <i>Poster Presenter:</i> Melanie Kienzl, AT	17:30 - 18:30
P 147	Spatial characterization of TILs in GBM using MACSima Imaging Cyclic Staining (MICS) technology <i>Poster Presenter:</i> Emre Balta, DE	17:30 - 18:30
P 148	EBV-Associated Extracellular Vesicles Engage the Inhibitory Receptor LILRB1 on Macrophages <i>Poster Presenter:</i> Timo Trenkner, DE	17:30 - 18:30
P 149	Impact of cell-intrinsic ceramide on T cell function <i>Poster Presenter:</i> Matthias Hose, DE	17:30 - 18:30
P 150	Development of caninized checkpoint inhibitors anti-PD1 and anti-PD-L1 mAbs with canine constant IgG1 and IgG4 regions to treat cancer in dogs <i>Poster Presenter:</i> Rodolfo Bianchini, AT	17:30 - 18:30
P 151	Viral respiratory infection facilitates tumour control by strengthening CD8⁺ T-cell immunity <i>Poster Presenter:</i> Philine Steinbach, DE	17:30 - 18:30
P 152	Thioredoxin-1 enhanced CAR T cells retain their antitumor functions under pro-oxidative conditions <i>Poster Presenter:</i> Yvonne Samstag, DE	17:30 - 18:30
P 153	Identification of ICER-DNA interactions in macrophages upon cultivation under acidic conditions <i>Poster Presenter:</i> Nabil Boui, DE	17:30 - 18:30
P 154	Heterogenous response of primary breast and ovarian cancer cells to activated NK cells <i>Poster Presenter:</i> Jennifer Wischhusen, DE	17:30 - 18:30
P 155	Identification of novel colorectal cancer targets using patient-derived organoid/natural killer cell co-cultures <i>Poster Presenter:</i> Andreas von Kries, DE	17:30 - 18:30
P 156	Lipid-metabolism controls CD8⁺ T cell activation in Ovarian Cancer by regulating IRF4 expression <i>Poster Presenter:</i> Felix Neuhaus, DE	17:30 - 18:30
P 157	Pro-tumorigenic role of GPR55 in the immune microenvironment of pancreatic cancer <i>Poster Presenter:</i> Dusica Ristic, AT	17:30 - 18:30
P 158	Evaluation of plasma-derived small extracellular vesicles (sEVs) as a potential biomarker of head and neck cancer (HNC) <i>Poster Presenter:</i> Maksim Domnich, DE	17:30 - 18:30
P 159	Immunomodulatory effects of the tumor microenvironment on immune cells in colon cancer	17:30 - 18:30

	<i>Poster Presenter:</i> Lara Kaumanns, DE	
P 160	Promoter activity of a cancer/testis antigen 45 (CT45)-associated long terminal repeat	17:30 - 18:30
	<i>Poster Presenter:</i> Martin S. Staeger, DE	
P 161	Stat3 deficiency in neutrophils results in their anti-tumor bias and impairs tumor growth in murine transplantable head and neck tumor model	17:30 - 18:30
	<i>Poster Presenter:</i> Irem Özel, DE	
P 162	How do leukemic cells escape natural killer cell-mediated surveillance? Uncovering novel immune evasion mechanism(s)	17:30 - 18:30
	<i>Poster Presenter:</i> Michelle C. Buri, AT	
<i>Poster Session</i>		
17:30 - 18:30		Poster Exhibition
Poster Session 3: Regulatory and helper T cells		
<i>Chair:</i> Matthias Hardtke-Wolenski, DE		
P 126	TGFβ induces murine CXCR5 and Bcl6 and differentially specifies Tfh versus Th17 cell fates	17:30 - 18:30
	<i>Poster Presenter:</i> Yinshui Chang, DE	
P 127	The role of Butyrophilin 2a2 (Btn2a2) in T cell maturation	17:30 - 18:30
	<i>Poster Presenter:</i> Michael Frech, DE	
P 128	The role of the Cannabinoid receptor 2 (CB2) in T regulatory cell differentiation and function	17:30 - 18:30
	<i>Poster Presenter:</i> Eva Gruden, AT	
P 129	<i>Staphylococcus aureus</i> and <i>Bifidobacterium longum</i> are well recognized by T-cells with opposite results	17:30 - 18:30
	<i>Poster Presenter:</i> Katrin Vogel, DE	
P 130	CD27 expression on Treg cells limits immune responses against tumors	17:30 - 18:30
	<i>Poster Presenter:</i> Sabine Muth, DE	
P 131	The adaptor protein TRAT1 modulates Th17 and Treg effector functions	17:30 - 18:30
	<i>Poster Presenter:</i> Klaus Schmetterer, AT	
P 132	Screening system for antigen-specificity of human memory regulatory T cells	17:30 - 18:30
	<i>Poster Presenter:</i> Simge Yüz, DE	
P 133	Metabolic control of the Vβ2 T(9) versus Vβ2 T(reg) differentiation	17:30 - 18:30
	<i>Poster Presenter:</i> Christian Peters, DE	
P 134	Acid ceramidase is a key regulator of cytokine secretion by mouse CD4⁺ T helper cells	17:30 - 18:30
	<i>Poster Presenter:</i> Putri Mandasari, DE	
P 135	T cell aging deciphered: a comprehensive study of aging-related adaptations in murine intestinal T cells	17:30 - 18:30
	<i>Poster Presenter:</i> Martina Palatella, DE	

P 136	Unique characteristics of AQP4-specific T cells in patients with AQP4+ neuromyelitis optica spectrum disorder (NMOSD) <i>Poster Presenter:</i> Carina Saggau, DE	17:30 - 18:30
P 137	Targeted De-Methylation of the FOXP3-TSDR Is Sufficient to Induce Physiological FOXP3 Expression but Not a Functional Treg Phenotype <i>Poster Presenter:</i> Christopher Kressler, DE	17:30 - 18:30
P 138	Developmental bias of newly synthesized proteins in <i>Candida albicans</i>-activated human CD4⁺ T-cells <i>Poster Presenter:</i> Silke Balk, DE	17:30 - 18:30
P 139	Downregulation but not genetic ablation of mitochondrial calcium uniporter (MCU) modulates suppressive potential of regulatory CD4 T cells <i>Poster Presenter:</i> Priska Jost, DE	17:30 - 18:30
P 140	T cell responses after immune checkpoint blockade differ between children, teenagers and adults <i>Poster Presenter:</i> Clara Aign, DE	17:30 - 18:30
P 141	Culture and expansion of tissue-resident T cells from human skin for high-throughput analysis of antigen specificity <i>in vitro</i> <i>Poster Presenter:</i> Gianna Rapp, DE	17:30 - 18:30
P 142	Age dependence of T cell immune responses against bacteria and fungi in cystic fibrosis patients <i>Poster Presenter:</i> Michelle Paszkier, DE	17:30 - 18:30
P 143	Immunoproteasome Inhibition reduces the T helper 2 response in Mouse Models of Allergic Airway Inflammation <i>Poster Presenter:</i> Franziska Oliveri, DE	17:30 - 18:30
P 144	Yellow fever 17D infected human dendritic cells drive CD4+ T cell differentiation into T follicular helper type 1 cells <i>in vitro</i> <i>Poster Presenter:</i> Linus Rinke, DE	17:30 - 18:30

General Assembly
18:00 - 19:30

Hörsaal A

General Assembly DGfI

General Assembly
18:00 - 19:30

Hörsaal D

General Assembly ÖGAI, Hybrid

Chair: Erika Jensen-Jarolim, AT

Chair: Eva Untersmayr-Elsenhuber, AT

TOP 1

Honorary Membership to Prof. Othmar Förster

18:00 - 18:10

Speaker: Erika Jensen-Jarolim, AT

Honorary Membership to Prof. Georg Wick

18:10 - 18:20

Speaker: Alex Rosenkranz, DE

Karl-Landsteiner-Medaille to Prof. G. Zlabinger	18:20 - 18:30
<i>Speaker:</i> Hannes Stockinger, AT	
TOP 2	
Immunis Sponsorships for Young Science (Fa. Szabo Scandic)	18:30 - 18:35
ÖGAI Thesis Awards	18:35 - 18:45
Clemens von Pirquet-Prize (Fa. Bencard Allergie)	18:45 - 18:50
Karl Landsteiner-Prize (Biomedizinische Forschung & Bio-Produkte AG)	18:50 - 19:00
TOP 3. Approval of Agenda	19:00 - 19:05
TOP 4. Approval of Protocol of the General Assembly of 24.03.2022	19:05 - 19:10
TOP 5. Report of the President	19:10 - 19:15
<i>Speaker:</i> Erika Jensen-Jarolim, AT	
TOP 6. Report of the Secretary General	19:15 - 19:20
<i>Speaker:</i> Eva Untersmayr-Elsenhuber, AT	
TOP 7. Report of Treasurer	19:20 - 19:25
<i>Speaker:</i> Sylvia Knapp, AT	
TOP 8. Election results of the New ÖGAI Board	19:25 - 19:30
TOP 9. Miscellaneous	19:30 - 19:30

Friday, 09. September 2022

Workshop

08:30 - 10:00

Hörsaal A

Workshop 11: COVID-19 II

Chair: Petra Bacher, DE

Chair: Georg Behrens, DE

- O 079 **Assessing ACE2 binding inhibition against an unlimited number of SARS-CoV-2 variants simultaneously with a competitive multiplex immunoassay** 08:30 - 08:45
Oral Presenter: Alex Dulovic, DE
- O 080 **Robust SARS-CoV-2 spike-specific cellular immune responses in patients on B-cell depleting therapy after dual-dose vaccination followed by booster vaccination or infection** 08:45 - 09:00
Oral Presenter: Tina Schmidt, DE
- O 081 **SARS-CoV-2-specific T cellular immune response towards S- and N-peptide mixes is characterized by IL-2 and IL-13 secretion and allows discrimination of convalescent from vaccinated individuals** 09:00 - 09:15
Oral Presenter: Bernhard Kratzer, AT
- O 082 **Low antibody responses and early antibody waning after COVID vaccination is associated with failure of B memory cell formation in IBD (inflammatory bowel disease) patients** 09:15 - 09:30
Oral Presenter: Erika Garner-Spitzer, AT
- O 083 **Plasma protein signature reveals chronic-inflammatory and angiogenic processes in addition to sustained immune cell differentiation in convalescent severe COVID-19 patients** 09:30 - 09:45
Oral Presenter: Louisa Ruhl, DE
- O 084 **Cilgavimab/Tixagevimab as alternative therapeutic approach for SARS-CoV-2 BA.2 infections** 09:45 - 10:00
Oral Presenter: Stefanie Dichtl, AT

Workshop

08:30 - 10:00

Hörsaal D

Workshop 12: Infectious diseases - mechanisms and interventions II

Chair: Ger van Zandbergen, DE

Chair: Axel Schambach, DE

- O 085 **Compartmentalization of intestinal bacteria by ILC3 prevents surgical infections** 08:30 - 08:45
Oral Presenter: Manuel Jakob, CH
- O 086 **Selective inhibition of miRNA processing by a herpesvirus-encoded miRNA governs virus reactivation from latency** 08:45 - 09:00
Oral Presenter: Lars Dölken, DE
- O 087 **Regulatory T cells suppress the motility of cytotoxic T cells in retrovirus infected mice resulting in functional T cell exhaustion** 09:00 - 09:15
Oral Presenter: Daniela Mittermüller, DE
- O 088 **Targeting the glycocalyx to activate and enhance the anti-bacterial function of human macrophages** 09:15 - 09:30

	<i>Oral Presenter:</i> Tim Wegner, DE	
O 089	Contribution of resident memory CD4⁺ T lymphocytes from human bone marrow to a systemic secondary immune reaction	09:30 - 09:45
	<i>Oral Presenter:</i> Jun Dong, DE	
O 090	Characterization of Interleukin 7 receptor regulation in monocytes and mediated antimycobacterial immune responses	09:45 - 10:00
	<i>Oral Presenter:</i> Jean de Dieu Harelimana, DE	
 <i>Workshop</i> 08:30 - 10:00		
		Hörsaal G
Workshop 13: B cell biology		
<i>Chair:</i> Jürgen Wienands, DE <i>Chair:</i> Falk Nimmerjahn, DE		
O 091	Tissue Resident Plasma Cells; Understanding Diversity in the Humoral Immune System	08:30 - 08:40
	<i>Oral Presenter:</i> Stephen Nutt, AU	
O 092	A novel approach reveals the B cell antigen receptor-induced "Translocatome"	08:40 - 08:50
	<i>Oral Presenter:</i> Matthias Münchhalphen, DE	
O 093	Non-apoptotic FAS signaling controls CD40-dependent mTOR activation and balances extrafollicular versus germinal center fate in human B cells	08:50 - 09:00
	<i>Oral Presenter:</i> Julian Staniek, DE	
O 094	Glucose Transporter Type 1: Metabolic Player in Antibody-Secreting Plasma Cells	09:00 - 09:10
	<i>Oral Presenter:</i> Katharina Pracht, DE	
O 095	Distinct B cell-mediated regulatory mechanisms control chronic colitis versus colitis-associated tumorigenesis	09:10 - 09:20
	<i>Oral Presenter:</i> Christian Melcher, DE	
O 096	Memory B cells in SARS-CoV-2 convalescent patients re-engage in the immune response after vaccination	09:20 - 09:30
	<i>Oral Presenter:</i> Matthias Bruhn, DE	
O 097	Immunoglobulin bivalence promotes BCR activation	09:30 - 09:40
	<i>Oral Presenter:</i> Niklas Engels, DE	
O 098	IL-21, acting beyond the immunological synapse, controls Tfh and germinal center B cells independently and in relation to bioavailability	09:40 - 09:50
	<i>Oral Presenter:</i> Isaak Quast, AU	
O 099	BIBAX: a novel structure-guided approach to improve vaccine safety and efficacy	09:50 - 10:00
	<i>Oral Presenter:</i> Kathrin de la Rosa, DE	

Workshop

08:30 - 10:00

Hörsaal H

Workshop 14: Autoimmunity and chronic inflammation II

Chair: Gunther Hartmann, DE

Chair: Eva Untersmayr-Elsenhuber, AT

- O 101 **NKG2D regulates the effector functions of CD4+ T cells and shapes the inflammatory programs of microglia and monocyte-derived cells during neuroinflammation** 08:30 - 08:45
Oral Presenter: Christoforos Dimitropoulos, DE
- O 102 **Pathogenic role of cytotoxic CD8⁺ T cells in glomerulonephritis** 08:45 - 09:00
Oral Presenter: Anne Mueller, DE
- O 103 **Detection and characterization of Hashimoto thyroiditis related autoantigen-specific T cells** 09:00 - 09:15
Oral Presenter: Daniel Alvarez Simon, DE
- O 104 **Nrf2 regulates redox metabolism of CD4+T cells in chronic inflammatory conditions** 09:15 - 09:30
Oral Presenter: Kim Ohl, DE
- O 105 **Tissue-specific chimeric antigen receptor regulatory T cells for the therapy of inflammatory bowel diseases** 09:30 - 09:45
Oral Presenter: Ümran Karsli, DE

Workshop

08:30 - 10:00

Hörsaal N

Workshop 15: Myeloid and dendritic cells II

Chair: Diana Dudziak, DE

Chair: Michael Lohoff, DE

- O 106 **Langerhans cell morphology and skin dendritic cell migration are controlled by the tubulin-modifying enzyme TTL4** 08:30 - 08:45
Oral Presenter: Christina Eich, DE
- O 107 **Mast cell secretory granules serve as endogenous C-type lectin receptor ligands skewing dendritic cell function towards T_H2/T_H17 response** 08:45 - 09:00
Oral Presenter: Johanna Kotrba, DE
- O 108 **Constitutive stabilization of β -catenin in CD11c⁺ cells alleviates allergic asthma** 09:00 - 09:15
Oral Presenter: Jelena Lakus, DE
- O 109 **Conventional Pulmonary DC subsets in experimental model of asthma and tolerance at single cell resolution** 09:15 - 09:30
Oral Presenter: Adan Chari Jirmo, DE
- O 110 **Tissue niche occupancy determines the contribution of yolk-sac versus bone marrow derived macrophages to IgG effector functions** 09:30 - 09:45
Oral Presenter: Markus Biburger, DE
- O 111 **Cytoskeletal and metabolic control of neutrophil crowding** 09:45 - 10:00
Oral Presenter: Katharina Glaser, DE

Poster Exhibition

08:30 - 15:00

Poster Exhibition

Poster Exhibition

Industry Exhibition

08:30 - 19:00

Industry Exhibition

Industry Exhibition

Main Session

10:30 - 12:00

Hörsaal F

Main Session 4: Immunological Research in Allergy

Chair: Winfried Pickl, AT

Chair: Torsten Witte, DE

Atopic dermatitis - a model disease of type 2 polarized inflammation in men

10:30 - 11:00

Speaker: Thomas Werfel, DE

Protection against childhood allergy development: early influences on immune maturation

11:00 - 11:30

Speaker: Bianca Schaub, DE

Mechanisms underlying long-term effects of treatment with the recombinant B cell epitope-based grass pollen allergy vaccine BM32

11:30 - 12:00

Speaker: Raffaella Campana, AT

Main Session

10:30 - 12:00

Hörsaal A

Main Session 5: Imaging and priming of immune responses

Chair: Axel Roers, DE

Chair: Thomas Brocker, DE

Qualitative and quantitative differences of immune responses by COVID-19 vaccines

10:30 - 11:00

Speaker: Reinhold Förster, DE

How T-Cells Recognize Antigens in Health and Disease - a Molecular Imaging Approach

11:00 - 11:30

Speaker: Johannes Huppa, AT

A tissue-level perspective on inflammation and homeostasis

11:30 - 12:00

Speaker: Stefan Uderhardt, DE

Main Session

10:30 - 12:00

Hörsaal D

Main Session 6: Autoimmune Disorders

Chair: Hannes Stockinger, AT

Chair: Ulrich Kalinke, DE

The role of the HLA-DR15 haplotype in the autoimmune pathogenesis of multiple sclerosis

10:30 - 11:00

Speaker: Roland Martin, CH

Histone deacetylases and the control of CD4+ T cell-mediated

11:00 - 11:30

immunity

Speaker: Wilfried Ellmeier, AT

Early Signs of Type 1 Diabetes

11:30 - 12:00

Speaker: Riitta Lahesmaa, FI

Industry Symposium

12:15 - 13:15

Hörsaal A

Industry Symposium - Bio-Rad Laboratories

Young Immunologists

12:15 - 13:15

Hörsaal D

EJI Publishing Workshop

An Editor's Guide to Scientific Publishing

12:15 - 12:45

Speaker: Jürgen Wienands, DE

Speaker: Chia-Wen Lu, DE

Discussion

12:45 - 13:15

Industry Symposium

12:15 - 13:15

Hörsaal G

Industry Symposium - STEMCELL Technologies

IN MEMORIAM

12:15 - 13:20

Hörsaal H

Jochen Kalden's Legacy

Chair: Hans-Hartmut Peter, DE

Chair: Fritz Melchers, DE

Einführung

12:15 - 12:20

Speaker: Fritz Melchers, DE

Der systemische Lupus erythematodes - vom Autoantikörper zur modernen Therapie

12:20 - 12:33

Speaker: Reinhard Voll, DE

Der systemische Lupus erythematodes - von der Unfähigkeit, aufzuräumen

12:33 - 12:46

Speaker: Martin Herrmann, DE

Klinische Immunologie - vom Experiment zur Leitlinie

12:46 - 12:59

Speaker: Hendrik Schulze-Koops, DE

Joachim R. Kalden - eine (nicht nur persönliche) Erinnerung

12:59 - 13:12

Speaker: Gerd Burmester, DE

Verabschiedung

13:12 - 13:17

Speaker: Hans-Hartmut Peter, DE

Industry Symposium

12:15 - 13:15

Hörsaal N

Industry Symposium - NanoString

Industry Symposium

12:15 - 13:15

Hörsaal E

Industry Symposium - LUMICKS

Plenary

13:30 - 15:00

Hörsaal F

Plenary Session 2: Microbiome and Metabolism

Chair: Carsten Watzl, DE

Chair: Erika Jensen-Jarolim, AT

What role does the intestinal immune system play in controlling your intestinal microbiota? (EFIS IL LECTURE AWARD)

13:30 - 14:00

Speaker: Emma Slack, CH

Novel vaccines targeting dendritic cells for allergy and infection (EFIS IL LECTURE AWARD)

14:00 - 14:30

Speaker: Oscar Palomares, ES

Host-microbial interaction at the postnatal intestinal mucosa

14:30 - 15:00

Speaker: Mathias Walter Hornef, DE

Poster Session

15:00 - 16:00

Poster Exhibition

Poster Session 04

Poster Session

15:00 - 16:00

Poster Exhibition

Poster Session 4: Autoimmunity and chronic inflammation II

Chair: Manuela Büttner, DE

P 163 **The role of inflammatory and cell death mechanisms in the *Trex1*^{-/-} autoimmune model**

15:00 - 16:00

Poster Presenter: Simone Wolf, DE

P 164 **Targeting CD146 can downregulate new blood vessel formation caused by VEGF-producing T cells in rat experimental autoimmune eye disease**

15:00 - 16:00

Poster Presenter: Gerhild Wildner, DE

P 165 **Histone deacetylase 1 controls CD4⁺ T cell trafficking in autoinflammatory diseases**

15:00 - 16:00

Poster Presenter: Ramona Rica, AT

P 166 **Understanding the Role of Microbiota in Licensing of Pathogenic T cells in Intestinal Bowel Diseases**

15:00 - 16:00

Poster Presenter: Aayushi Shah, DE

P 167 **Arginase 1 functions as anti-resolvin in inflammatory bowel disease**

15:00 - 16:00

Poster Presenter: Björn Nüse, DE

P 168 **Analysis of commonalities and disparities in B cell subtypes in**

15:00 - 16:00

	different autoimmune diseases using high dimensional single cell analysis of cytometric data (CITRUS)	
	<i>Poster Presenter:</i> Verena Pfeifer, AT	
P 169	Comprehensive immunophenotyping of peripheral blood of MS patients by multidimensional flow cytometry	15:00 - 16:00
	<i>Poster Presenter:</i> Anastasiia Kiprina, DE	
P 170	Roquin deficiency in T cells induces early stages of pancreatic cancer	15:00 - 16:00
	<i>Poster Presenter:</i> Timsse Raj, DE	
P 171	FMF monocytes and macrophages show an altered phenotype in functional key features	15:00 - 16:00
	<i>Poster Presenter:</i> Philipp Berger, DE	
P 172	Microbiota-derived propionate modulates megakaryopoiesis and platelet function	15:00 - 16:00
	<i>Poster Presenter:</i> Eva Schmid, DE	
P 173	Effective therapy of polymyositis in mice via selective inhibition of the immunoproteasome	15:00 - 16:00
	<i>Poster Presenter:</i> Marta del Rio Oliva, DE	
<i>Poster Session</i>		
15:00 - 16:00		Poster Exhibition
Poster Session 4: T cell development and plasticity		
<i>Chair:</i> Andreas Krueger, DE		
P 199	Functional and phenotypical characterization of peptide-specific PLZF+ innate-like T cells	15:00 - 16:00
	<i>Poster Presenter:</i> Ahmed Hassan, DE	
P 200	Epigenetic control of ZEB2 expression in CMV-specific cytotoxic CD8⁺ T cells	15:00 - 16:00
	<i>Poster Presenter:</i> Zheng Yu, DE	
P 201	The role of ADAM10 in the regulation of T cell responses	15:00 - 16:00
	<i>Poster Presenter:</i> Peter Bradtke, DE	
P 202	Epigenetic control of T cell differentiation: From genome-wide signatures to local regulators and their targeted manipulation	15:00 - 16:00
	<i>Poster Presenter:</i> Julia K. Polansky, DE	
P 203	PD-1 suppresses differentiation and plasticity of IL-17 producing CD8⁺ T-cells (Tc17 cells)	15:00 - 16:00
	<i>Poster Presenter:</i> Aditya Arra, DE	
P 204	Sequence pattern analyses for V62 T cells based on TCRdist	15:00 - 16:00
	<i>Poster Presenter:</i> Lihua Deng, DE	
P 205	SLAMF7 (CD319) is a co-stimulatory molecule on CD4⁺ T-cells and regulated by CTLA-4 and TGFβ	15:00 - 16:00
	<i>Poster Presenter:</i> Irina Han, DE	
P 206	EBI2 as a marker and potential pharmacological target for CD8⁺ tissue-resident memory T cells	15:00 - 16:00

	<i>Poster Presenter:</i> Lucas Arendholz, DE	
P 207	WBP1L regulates leukocyte hematopoiesis and thymus development	15:00 - 16:00
	<i>Poster Presenter:</i> Imtissal Krayem, CZ	
P 208	Assessing the metabolic requirements of MAIT cells during development	15:00 - 16:00
	<i>Poster Presenter:</i> Prerna Gambhir, DE	
P 209	Differentiation of human induced pluripotent stem cells (hiPSCs) into regulatory T cells (Tregs) using epigenetic editing	15:00 - 16:00
	<i>Poster Presenter:</i> Marcel Finke, DE	
P 210	Maintenance of resting, tissue-resident memory T lymphocytes by PI3K signaling	15:00 - 16:00
	<i>Poster Presenter:</i> Lukas Heiberger, DE	
P 211	A novel orthotopic TCR transgenic mouse model dissects the role of antigen receptor specificity for $\gamma\delta$ T cell development and function	15:00 - 16:00
	<i>Poster Presenter:</i> Lisa Vogg, DE	
P 212	Single-cell fate mapping reveals widespread clonal ignorance of low affinity T cells exposed to systemic infection	15:00 - 16:00
	<i>Poster Presenter:</i> Anton Mühlbauer, DE	
P 213	The role of IRF4 in CD4 T memory cells	15:00 - 16:00
	<i>Poster Presenter:</i> Friederike Raczkowski, DE	
P 214	The RNA-binding protein Arpp21 promotes Rag1 mRNA expression for T cell receptor rearrangement	15:00 - 16:00
	<i>Poster Presenter:</i> Meng Xu, DE	
P 215	Changes in PMD methylation during thymocyte development	15:00 - 16:00
	<i>Poster Presenter:</i> Frederik Hamm, DE	
P 216	Phosphoantigen-independent activation of $\gamma\delta$ T cells	15:00 - 16:00
	<i>Poster Presenter:</i> Daniel Gombert, DE	
<i>Poster Session</i>		
15:00 - 16:00		Poster Exhibition
Poster Session 4: B cell biology		
<i>Chair:</i> Kyeong-Hee Lee, DE		
P 174	Mutual interplay of Hodgkin lymphoma and macrophages	15:00 - 16:00
	<i>Poster Presenter:</i> Dieter Kube, DE	
P 175	Siglec-G controls the severity of chronic lymphocytic leukemia	15:00 - 16:00
	<i>Poster Presenter:</i> Bettina Röder, DE	
P 176	miR-142 regulates mature B cell migration	15:00 - 16:00
	<i>Poster Presenter:</i> Emmanuel Derudder, AT	
P 177	Shaping of gut B cell repertoire by the microbiota	15:00 - 16:00
	<i>Poster Presenter:</i> Britta Simons, DE	
P 178	Functional Role of the C5a/C5aR1 Axis in Activated B-1	15:00 - 16:00

Lymphocytes

Poster Presenter: Marie Kleingarn, DE

P 179 **Signaling circuits involved in the selection of high-affinity B cells in the germinal center** 15:00 - 16:00

Poster Presenter: Chege T Kuria, DE

P 180 **Dysregulation of the B lymphocyte compartment in patients with chronic graft-versus-host disease** 15:00 - 16:00

Poster Presenter: Katharina Habenicht, DE

P 181 **Regulation of plasma cell homeostasis and antibody secretion through modulation of autophagy and endoplasmic reticulum stress by Trk-fused-gene (TFG)** 15:00 - 16:00

Poster Presenter: Jana Thomas, DE

P 182 **Metabolic regulation of plasma cell generation in germinal centers through EFhd2** 15:00 - 16:00

Poster Presenter: Leonie Weckwerth, DE

P 183 **Sialic acids on B cells are crucial for their survival and provide protection against apoptosis** 15:00 - 16:00

Poster Presenter: Michael Schmidt, DE

P 184 **Phosphoribosyltransferase /NAMPT in B cell lymphoma** 15:00 - 16:00

Poster Presenter: Lea Marie Jeude, DE

P 185 **Staufen 1 and Staufen 2 have distinct roles in germinal center B-cell lines** 15:00 - 16:00

Poster Presenter: Francisco Osorio-Barrios, DE

Poster Session

15:00 - 16:00

Poster Exhibition

Poster Session 4: COVID-19 II

Chair: Thomas Pietschmann, DE

P 186 **Is it of any positive being COVID-19 positive?: Cross-protection hypothesis** 15:00 - 16:00

Poster Presenter: Muath Alser, EG

P 187 **Longitudinal immune responses after a third BNT162b and a mixed fourth mRNA-1273 COVID-19 vaccination in patients on hemodialysis** 15:00 - 16:00

Poster Presenter: Gema Morillas Ramos, DE

P 188 **Impact of COVID-19 vaccination on the use of anti-PD-1 immunotherapy in cancer patients** 15:00 - 16:00

Poster Presenter: Jian Li, DE

P 189 **Altered mRNA-based SARS-CoV-2 vaccine-mediated humoral immune responses in people living with HIV** 15:00 - 16:00

Poster Presenter: Carlos Plaza Sirvent, DE

P 190 **Investigation of the cellular immune response to SARS-CoV-2 vaccination in people living with HIV** 15:00 - 16:00

Poster Presenter: Clara Bessen, DE

P 191	Human bone marrow hosts abundant pre-existing, SARS-CoV-2-reactive memory CD4⁺ T cells in unexposed individuals <i>Poster Presenter:</i> Jinchan Li, DE	15:00 - 16:00
P 192	Deciphering the host-cell protein content of SARS-CoV-2 virions <i>Poster Presenter:</i> Laura Gebetsberger, AT	15:00 - 16:00
P 193	Targeted isolation of diverse human protective broadly neutralizing antibodies against SARS-like viruses <i>Poster Presenter:</i> Katharina Dueker, US	15:00 - 16:00
P 194	Maintenance of a late memory CD4⁺ and NK cell repertoire after mild COVID-19 in adolescent and adult convalescent patients <i>Poster Presenter:</i> Jannik Boog, DE	15:00 - 16:00
P 195	Dynamics of humoral and T-cell immunity after two and three BNT162b2 vaccinations in adults older than 80 years <i>Poster Presenter:</i> Addi Josua Romero Olmedo, DE	15:00 - 16:00
P 196	Obesity causes a delay in antibody response of adenovirus-based Covid-19 vaccines in C57BL/6 mice <i>Poster Presenter:</i> Nora Geissler, AT	15:00 - 16:00
P 197	Test quality characteristics of an in-house laboratory diagnostic test for anti-SARS-CoV-2 cell-mediated immunity <i>Poster Presenter:</i> Felix R Stahl, DE	15:00 - 16:00
P 198	Single-cell immune profiling of the SARS-CoV-2 immune response <i>Poster Presenter:</i> Mohammad Salem, DK	15:00 - 16:00
<i>Workshop</i> 16:00 - 17:30		Hörsaal A
Workshop 16: Natural killer and innate lymphoid cells		
<i>Chair:</i> Evelyn Ullrich, DE <i>Chair:</i> Christian Bogdan, DE		
O 112	Eomes⁺ NK cell subsets accumulate in the intestinal lamina propria during inflammation <i>Oral Presenter:</i> Nils Christian Müller, DE	16:00 - 16:10
O 113	Efficient in vitro generation of human ILC3 exhibiting IL-22 production and expression of key sensors for dietary and microbial metabolites <i>Oral Presenter:</i> Markus Uhrberg, DE	16:10 - 16:20
O 114	A dysfunctional program imprinted by prostaglandin E₂ signaling shuts off natural killer cell communication pathways and disables immunosurveillance of metastasis <i>Oral Presenter:</i> Jan P. Böttcher, DE	16:20 - 16:30
O 115	Characterization of CMV-associated adaptive NK cells in rhesus macaques <i>Oral Presenter:</i> Mohammad Zahidul Hasan, DE	16:30 - 16:40
O 116	Characterisation of differentially methylated regions associated with the differentiation and function of human type 2 innate lymphoid cells (ILC2s)	16:40 - 16:50

	<i>Oral Presenter:</i> Ayush Jain, DE	
O 117	Long-term treatment with Glupin results in a metabolic switch of NK cells and an enhanced serial-killing capacity	16:50 - 17:00
	<i>Oral Presenter:</i> Lea Katharina Picard, DE	
O 118	In vitro platform enabling the study of 'licensing' during NK cell development	17:00 - 17:10
	<i>Oral Presenter:</i> Sabrina B. Bennstein, DE	
O 119	Non-redundant functions of ILC2	17:10 - 17:20
	<i>Oral Presenter:</i> Katja Julika Jarick, DE	
O 120	Retinoic acid drives intestine-specific adaptation of effector ILC2s originating from distant sites	17:20 - 17:30
	<i>Oral Presenter:</i> Nikhat Shaikh, DE	
<i>Workshop</i>		
16:00 - 17:30		Hörsaal D
Workshop 17: T cell development and plasticity		
<i>Chair:</i> Immo Prinz, DE		
<i>Chair:</i> Magdalena Huber, DE		
O 121	Identification of tissue-resident and circulating $\gamma\delta$ T cells in human lung with regulatory and cytotoxic phenotypes	16:00 - 16:10
	<i>Oral Presenter:</i> Likai Tan, DE	
O 122	The function of Wtap in N^6-adenosine methylation of mRNAs controls T cell receptor signaling and survival of T cells	16:10 - 16:20
	<i>Oral Presenter:</i> Taku Kureha, DE	
O 123	Immune Polarization in Preterm Infants and its Impact on Cardiopulmonary Disease	16:20 - 16:30
	<i>Oral Presenter:</i> Marcel F. Nold, AU	
O 124	Context-dependent analysis of the miR-181 targetome in double positive thymocytes	16:30 - 16:40
	<i>Oral Presenter:</i> Nikita Aaron Verheyden, DE	
O 125	Short-cut to quiescence: PD-1 inhibits T cells by restricting their proliferation window	16:40 - 16:50
	<i>Oral Presenter:</i> Melissa Biemond, AU	
O 126	The timing of differentiation and potency of CD8 effector function is set by RNA binding proteins	16:50 - 17:00
	<i>Oral Presenter:</i> Georg Petkau, GB	
O 127	Liquid liver biopsy: CXCR6⁺CD8 T-cells in peripheral blood enable immune monitoring of the hepatic T-cell response during viral infection of the liver	17:00 - 17:10
	<i>Oral Presenter:</i> Hannah Wintersteller, DE	
O 128	Prenatal thymic stress affects T cell development in humans	17:10 - 17:20
	<i>Oral Presenter:</i> Eva Tolosa, DE	
O 129	Lymphatic migration of unconventional T cells links tissue immunity to lymph node function	17:20 - 17:30

Oral Presenter: Paulina Cruz de Casas, DE

Workshop
16:00 - 17:30

Hörsaal G

Workshop 18: Transplantation and immune tolerance

Chair: Katja Kotsch, DE

Chair: Veronika Grau, DE

O 130 **Human skin-resident host T cells can persist long term after allogeneic stem cell transplantation and maintain recirculation potential** 16:00 - 16:10

Oral Presenter: Christina Zielinski, DE

O 131 **Mycophenolate but not tacrolimus monotherapy protects donor leukocyte subsets from depletion following major histocompatibility complex-mismatched kidney transplantation in mice** 16:10 - 16:20

Oral Presenter: Sarah Dart, AU

O 132 **Engineered T cells overcoming rejection by antibodies (CORA-T cells) through selective targeting of alloreactive B cells in solid organ transplantation** 16:20 - 16:30

Oral Presenter: Anna Christina Dragon, DE

O 133 **Donor T and NK cells with a special tissue-resident memory phenotype migrate into the periphery of lung transplant recipients - a potential feature for tolerance development** 16:30 - 16:40

Oral Presenter: Jenny F. Kühne, DE

O 134 **Understanding the peripheral immune response to murine heart, kidney and liver transplantation** 16:40 - 16:50

Oral Presenter: Michaela Lucas, AU

O 135 **Variances in Humoral Response to Different Spike Protein Domains after SARS-CoV-2 Vaccination in Lung and Heart Transplant Recipients** 16:50 - 17:00

Oral Presenter: Jasper Sauer, DE

O 137 **Fetomaternal immune crosstalk modifies T cell priming through sustained changes to DC function** 17:00 - 17:10

Oral Presenter: Walaa Jradi, DE

O 138 **Neuropilin-1 Expression Determines Infection Susceptibility to Murine Cytomegalovirus (MCMV) at the Feto-Maternal Interface** 17:10 - 17:20

Oral Presenter: Felix R Stahl, DE

Workshop
16:00 - 17:30

Hörsaal H

Workshop 19: Immunotherapies

Chair: Bimba Franziska Hoyer, DE

Chair: Hansjörg Schild, DE

O 139 **c-Myb instructs both stemness and functional exhaustion of CD8⁺ T cells during chronic infection** 16:00 - 16:10

Oral Presenter: Lorenz Kretschmer, DE

O 140 **The role of IgG1 and IgG4 in IgE-blocking shifts during the course of allergen-specific immunotherapy** 16:10 - 16:20

	<i>Oral Presenter:</i> Maria R. Strobl, AT	
O 141	Dual Immune Checkpoint Blockade of LILRB1 and CD47 Enhances Antibody-Dependent Cellular Phagocytosis of Lymphoma Cells by CD20 Antibodies	16:20 - 16:30
	<i>Oral Presenter:</i> Tobias Zeller, DE	
O 142	Signatures of recent activation identify a circulating T cell compartment containing tumor-specific antigen receptors with high avidity	16:30 - 16:40
	<i>Oral Presenter:</i> Elvira D'Ippolito, DE	
O 143	Knock-out of inhibitory receptor NKG2A improves efficacy of CD33-targeting CAR-NK cells against AML	16:40 - 16:50
	<i>Oral Presenter:</i> Tobias Bexte, DE	
O 144	Adoptive T-cell therapy in progressive multifocal leukoencephalopathy - biomarkers for treatment response	16:50 - 17:00
	<i>Oral Presenter:</i> Nora Möhn, DE	
O 145	Characterization of LAG-3 Function	17:00 - 17:10
	<i>Oral Presenter:</i> Katharina Aigner-Radakovics, AT	
O 146	Identification and functional characterization of HLA-restricted HPV16 E6- and E7-derived epitopes	17:10 - 17:20
	<i>Oral Presenter:</i> Kathrin Wellach, DE	
 <i>Workshop</i>		
16:00 - 17:30		Hörsaal N
	Workshop 20: Immunometabolism, immunosignaling and complement	
	<i>Chair:</i> Ingo Schmitz, DE	
	<i>Chair:</i> Dietmar Zehn, DE	
O 148	Dynamic analysis of cytoplasmic calcium and its role in regulating the metabolic activity of plasma cells	16:00 - 16:10
	<i>Oral Presenter:</i> Carolin Ulbricht, DE	
O 149	Histone Deacetylase 7 Regulates Cell Survival and Amino Acid Metabolism of CD8⁺ T Cells	16:10 - 16:20
	<i>Oral Presenter:</i> Hsiang-Jung Hsiao, DE	
O 150	GATA3 programs CD8⁺ T cells for enhanced metabolic fitness and cytotoxicity	16:20 - 16:30
	<i>Oral Presenter:</i> Ann-Kathrin Baumgart, DE	
O 151	Lipid droplet driven fatty acid metabolism: an important player in immunosuppressive macrophage polarization	16:30 - 16:40
	<i>Oral Presenter:</i> Sophiya Tabassum Tahir Siddiqui, DE	
O 152	Effector function of mucosal-associated invariant T cells is impaired by fatty acids and aberrant lipid metabolism	16:40 - 16:50
	<i>Oral Presenter:</i> Sebastian Deschler, DE	
O 153	Modulation of BDCA2 inhibitory activity of IFN-I in plasmacytoid dendritic cells via a natural polysaccharide	16:50 - 17:00
	<i>Oral Presenter:</i> Francisco Venegas Solis, DE	
O 154	cGAS/STING-dependent sensing of endogenous RNA	17:00 - 17:10

	<i>Oral Presenter:</i> Rayk Behrendt, DE	
O 155	Shigella induces cytosolic RIPK2 complex formation that is controlled by XIAP	17:10 - 17:20
	<i>Oral Presenter:</i> Thomas Kufer, DE	
O 156	Complete inhibition of the complement system with a novel fusion protein	17:20 - 17:30
	<i>Oral Presenter:</i> Arthur Dopler, DE	
<i>Poster Exhibition</i> 16:00 - 17:30		Poster Exhibition
Poster Exhibition		
<i>Poster Session</i> 17:30 - 18:30		Poster Exhibition
Poster Session 05		
<i>Poster Session</i> 17:30 - 18:30		Poster Exhibition
Poster Session 5: Transplantation, immune and feto-maternal tolerance		
<i>Chair:</i> Constanca Ferreira de Figueiredo, DE		
P 297	Lung transplant recipients developing early DSAs are characterized by higher frequencies of naïve and lower frequencies of memory B cells	17:30 - 18:30
	<i>Poster Presenter:</i> Stella Christoph, DE	
P 298	Donor lymphocytes in peripheral blood of lung transplant recipients comprise high frequencies of KIR-positive T- and NK-cell subsets	17:30 - 18:30
	<i>Poster Presenter:</i> Jenny F. Kühne, DE	
P 299	Influence of Post-Transplant Immunosuppressants on CMV-specific T cells for Adoptive Immunotherapy	17:30 - 18:30
	<i>Poster Presenter:</i> M. Benedikt Krüger, DE	
P 300	Increased CD47 expression antagonizes phagocytosis of alloreactive donor T cells after allo-HSCT	17:30 - 18:30
	<i>Poster Presenter:</i> Cindy Flamann, DE	
P 301	HLA-DO: a possible switch between GvHD and GvL effect	17:30 - 18:30
	<i>Poster Presenter:</i> Julia Zeun, DE	
P 302	Metabolic priming of monocytes during inflammation	17:30 - 18:30
	<i>Poster Presenter:</i> Ricarda Jürgens, DE	
P 303	A possible role of CD8+ cells in humoral tolerance	17:30 - 18:30
	<i>Poster Presenter:</i> Romy Steiner, AT	
P 304	Single-cell sequencing allows studying tissue-resident memory T cell dynamics in the skin of patients undergoing hematopoietic stem cell transplantation	17:30 - 18:30
	<i>Poster Presenter:</i> Laura Marie Gail, AT	
P 305	Evidence from a humanized Mouse Model: Primary Graft	17:30 - 18:30

	Dysfunction following Lung Transplantation is associated with increased <i>in vivo</i> T cell Alloreactivity	
	<i>Poster Presenter:</i> Ann-Kathrin Knöfel, DE	
P 306	Analysis of maternal T cells with direct alloreactivity against the unborn child	17:30 - 18:30
	<i>Poster Presenter:</i> Miriam Weber, DE	
<i>Poster Session</i>		
17:30 - 18:30		
Poster Exhibition		
Poster Session 5: Immunometabolism, immunosignaling and complement		
<i>Chair:</i> Christian Karsten, DE		
P 217	C5a signalling in myeloid cells participates to the exhaustion of Innate lymphoid cells type 2 in <i>anin vitro</i> model	17:30 - 18:30
	<i>Poster Presenter:</i> Rabia Ülkü Korkmaz, DE	
P 218	The C5aR2 pathway as a potential novel checkpoint for B cell activation in autoimmunity	17:30 - 18:30
	<i>Poster Presenter:</i> Jovan Schanzenbacher, DE	
P 219	Deficiency in the second receptor of complement component 5a (C5aR2) ameliorates inflammation in murine <i>epidermolysis bullosa acquisita</i> by regulating C5a- and FcγR-mediated functions of neutrophils	17:30 - 18:30
	<i>Poster Presenter:</i> Daniel L. Seiler, DE	
P 220	The C5a/C5ar1 axis controls the early IgM to IgG switch of collagen type VII autoantibodies in experimental Epidermolysis Bullosa Acquisita	17:30 - 18:30
	<i>Poster Presenter:</i> Samyr Kenno, DE	
P 221	Generation of monoclonal antibodies targeting murine C5aR2	17:30 - 18:30
	<i>Poster Presenter:</i> Janti Haj Ahmad, DE	
P 222	Is the powerfully locally modulating complement protein C7 in turn modulated by clusterin?	17:30 - 18:30
	<i>Poster Presenter:</i> Reinhard Würzner, AT	
P 223	Anticancer activity of <i>Curcuma longa</i> and affected signaling pathways in prostate cancer cells	17:30 - 18:30
	<i>Poster Presenter:</i> Tianchi Jiang, AT	
P 224	Fabry disease patients exert strong complement activation independent of enzyme replacement therapy	17:30 - 18:30
	<i>Poster Presenter:</i> Björn Laffer, DE	
P 225	ONTOGENY OF POSTNATAL INNATE IMMUNOMETABOLISM	17:30 - 18:30
	<i>Poster Presenter:</i> Greta Ehlers, DE	
P 226	Scavenging of mitochondrial ROS selectively affects human T cell effector functions	17:30 - 18:30
	<i>Poster Presenter:</i> Tobias Frey, AT	
P 227	Mapping PD-1 Immunoreceptor Signalling Pathways in Ovarian Cancer	17:30 - 18:30
	<i>Poster Presenter:</i> Martina Kreileder, IE	

P 228	Immunity of lipid-lowering drugs - how statins and PCSK9 inhibition shape immune phenotype and function	17:30 - 18:30
	<i>Poster Presenter:</i> Philipp Schatzlmaier, AT	
P 229	Keratinocyte-induced costimulation of human T cells through CD6 activates mTOR and prevents oxidative stress	17:30 - 18:30
	<i>Poster Presenter:</i> Karina Maria Berschneider, DE	
P 230	Role of the AhR/AhRR Signaling Pathway in Macrophage Containing Adipose Tissue Organoids	17:30 - 18:30
	<i>Poster Presenter:</i> Yasmin Majlesain, DE	
P 231	Functional studies of innate immune signalling pathways and their modulation in response to exposure to immune-modulating archaea	17:30 - 18:30
	<i>Poster Presenter:</i> Johann Sieverding, DE	
P 232	Signaling mediated and signaling independent activities of the pathogen recognition receptor RIG-I during murine Influenza infection	17:30 - 18:30
	<i>Poster Presenter:</i> Benjamin Rupf, DE	
<i>Poster Session</i>		
17:30 - 18:30		Poster Exhibition
Poster Session 5: Infectious diseases - mechanisms and interventions II		
<i>Chair:</i> Anke Kraft, DE		
P 249	Cross-talk of peripheral blood mononuclear cells and <i>Staphylococcus aureus</i> biofilm	17:30 - 18:30
	<i>Poster Presenter:</i> Reza Gheitasi, DE	
P 250	<i>Trypanosoma cruzi</i> modulates the immune system to establish chronic infections	17:30 - 18:30
	<i>Poster Presenter:</i> Cari Lehmann, DE	
P 251	The Proteinase Activated Receptor -2 mediates Protective Immunity in Early Experimental Leishmaniasis	17:30 - 18:30
	<i>Poster Presenter:</i> Yvonne Kusche, DE	
P 252	HCMV variants expressing ULBP2 modulate NKG2D expression and function on NK and CD8⁺ T cells	17:30 - 18:30
	<i>Poster Presenter:</i> Greta Meyer, DE	
P 253	Elevated Na⁺ Levels dampen the Antibacterial Activity of Neutrophils in a Phagocyte Oxidase-Dependent Way	17:30 - 18:30
	<i>Poster Presenter:</i> Luka Krampert, DE	
P 254	INHIBITION OF DENDRITIC CELLS IL-12 PRODUCTION BY THE FUNGAL PATHOGEN PARACOCCIDIoidES BRASILIENSIS	17:30 - 18:30
	<i>Poster Presenter:</i> Aldo Henrique Tavares, BR	
P 255	Obesity impairs pulmonary type 2 immunity during helminth infection	17:30 - 18:30
	<i>Poster Presenter:</i> Christian Schwartz, DE	
P 256	IAV infection has long-term effects on the lung monocyte/macrophage compartment and modulates subsequent allergic airway inflammation in a mouse model	17:30 - 18:30

	<i>Poster Presenter:</i> Belinda Camp, DE	
P 257	The role of CXCR6⁺ γδ T cells in chronic hepatitis B virus (HBV) infection	17:30 - 18:30
	<i>Poster Presenter:</i> Katja Steppich, DE	
P 258	Cross-reactive T cells can also protect mice from sequential unrelated infections in a chronic environment	17:30 - 18:30
	<i>Poster Presenter:</i> Jasmin Mischke, DE	
P 259	Deubiquitinating enzyme OTUB1 aids in intracellular pathogen control in macrophages during Salmonella infection	17:30 - 18:30
	<i>Poster Presenter:</i> Isita Sagar, DE	
P 260	Multiplex serology assay to differentiate pan-hepatitis virus-specific antibody responses in vaccinated and infected individuals	17:30 - 18:30
	<i>Poster Presenter:</i> Tanja Grimm, DE	
P 261	The role of extracellular vesicles in escape of <i>Candida albicans</i> from phagocytosis by neutrophils	17:30 - 18:30
	<i>Poster Presenter:</i> Jennifer Josephine Patitz, DE	
P 262	Distinct chemokine receptor-mediated homing of virus-specific T cells in murine cytomegalovirus infection	17:30 - 18:30
	<i>Poster Presenter:</i> Yvonne Lueder, DE	
P 263	Receptor specificity and conformational stability of influenza viruses shapes immune cell tropism	17:30 - 18:30
	<i>Poster Presenter:</i> Jens Dorna, DE	
P 264	Role of the C-type lectin receptor MINCLE in <i>Strongyloides ratti</i> recognition and anti-helminth immune responses. (Jennifer Antwi-Ekwuruke, Lara Linnemann, Vinayaga Gnanapragassam, Bernd Lepenies, Minka Breloer)	17:30 - 18:30
	<i>Poster Presenter:</i> Jennifer Antwi-Ekwuruke, DE	
P 265	Changes in interferon signaling during post-flu pneumococcal pneumonia	17:30 - 18:30
	<i>Poster Presenter:</i> Lars Melcher, DE	
P 266	The expression of Nub1 has no impact on the LCMV titer in mice	17:30 - 18:30
	<i>Poster Presenter:</i> Katharina Inholz, DE	
<i>Poster Session</i>		
17:30 - 18:30		Poster Exhibition
Poster Session 5: Immunotherapies		
<i>Chair:</i> Britta Eiz-Vesper, DE		
P 233	The alloCELL program: Patient monitoring, donor selection and GMP-compliant manufacturing of virus-specific T-cells from stem cell, family and third-party T-cell donors	17:30 - 18:30
	<i>Poster Presenter:</i> Britta Eiz-Vesper, DE	
P 234	Enabling characterization of genetically modified T cells used for immunotherapy	17:30 - 18:30
	<i>Poster Presenter:</i> Sonja Schallenberg, DE	
P 235	Active immunization with a multi-peptide B cell vaccine, targeting	17:30 - 18:30

	Trastuzumab and Pertuzumab binding sites, prevents the formation of Her-2/neu expressing lung metastases	
	<i>Poster Presenter:</i> Ursula Wiedermann-Schmidt, AT	
P 236	Restoration of the antiviral cellular immunity by enhanced Epstein-Barr virus (EBV)-specific endogenous effector T-cell responses after rituximab therapy	17:30 - 18:30
	<i>Poster Presenter:</i> Sabine Tischer-Zimmermann, DE	
P 237	Antiviral T-cell frequencies in a healthy population: Reference values for evaluating antiviral immune cell profiles in immunocompromised patients and their application during the SARS-CoV-2 pandemic	17:30 - 18:30
	<i>Poster Presenter:</i> Agnes Bonifacius, DE	
P 238	LMP2A-targeting CAR-T cells and TRUCKs with inducible expression of IL-12 or IL-18 as promising tool to treat various EBV-associated malignancies	17:30 - 18:30
	<i>Poster Presenter:</i> Stefanie Thölke, DE	
P 239	Optimized transgenic receptor and cell engager-induced cellular avidity between tumor-effector cell pairs drives immunotherapy efficacy	17:30 - 18:30
	<i>Poster Presenter:</i> Rogier Reijmers, NL	
P 240	Deciphering the transcription factors that regulate the NKG2D ligand MICA in cancer cells	17:30 - 18:30
	<i>Poster Presenter:</i> Reem Al khayer, DE	
P 241	Identification and evaluation of novel HCMV-specific T-cell epitopes naturally presented by human infected antigen presenting cells to improve the efficacy of adoptive T-cell therapy	17:30 - 18:30
	<i>Poster Presenter:</i> Maria Michela Santamarena, DE	
P 242	Characterization of $\alpha\beta$ and $\gamma\delta$ T cells in clinical-grade EBV-specific T-cell products and their role in controlling EBV infection in allogeneic and autologous settings	17:30 - 18:30
	<i>Poster Presenter:</i> Philip Mausberg, DE	
P 243	In-vitro validation of Glypican-1 as a novel potential target for antibody- or CAR-based therapies of triple-negative breast cancer (TNBC)	17:30 - 18:30
	<i>Poster Presenter:</i> Claudia Müller, DE	
P 244	Robust platform for non-viral <i>Sleeping Beauty</i>-transposon engineering of highly potent CAR-NK cells	17:30 - 18:30
	<i>Poster Presenter:</i> Tobias Bexte, DE	
P 245	Evaluation of T cell immunocompetence by measuring the antigen sensitivity of T cell subsets	17:30 - 18:30
	<i>Poster Presenter:</i> Venugopal Gudipati, AT	
P 246	Biological effects of systemically administered TLR7/8 Agonist and Antigen-conjugated nanogels on immune cell populations	17:30 - 18:30
	<i>Poster Presenter:</i> Carolina Medina-Montano, DE	
P 247	Early recognition of HCMV-pp65 antigen by CD8 T cells	17:30 - 18:30
	<i>Poster Presenter:</i> Fawad Khan, DE	

P 248	Cell Avidity a Crucial Biomarker for Predicting T-Cell Therapeutic Function	17:30 - 18:30
	<i>Poster Presenter:</i> Peter Djali, NL	
<i>Poster Session</i> 17:30 - 18:30		Poster Exhibition
Poster Session 5: Myeloid and dendritic cells II		
<i>Chair:</i> Ulrich Baumann, DE		
P 267	The Femmunity study: Elucidating the dynamic of the female peripheral immune system during menstrual cycle	17:30 - 18:30
	<i>Poster Presenter:</i> Tal Pecht, DE	
P 268	Fscn1 inhibitors developed for tumor therapy attenuate the T cell stimulatory activity of dendritic cells	17:30 - 18:30
	<i>Poster Presenter:</i> Yanira Zeyn, DE	
P 269	Regulation of dendritic cell differentiation and maturation via ct-CD45/TLR4 interaction	17:30 - 18:30
	<i>Poster Presenter:</i> Sara Gil-Cantero, AT	
P 270	Expression and function of Tspan2 in murine dendritic cells and neutrophils	17:30 - 18:30
	<i>Poster Presenter:</i> Marcel Marson, DE	
P 271	Impact of HCMV infection on antigen presentation by primary human antigen presenting cells	17:30 - 18:30
	<i>Poster Presenter:</i> Luise Krajewski, DE	
P 272	Dendritic cells secrete epithelial growth factor receptor-ligands upon stimulation with oxidized phospholipids	17:30 - 18:30
	<i>Poster Presenter:</i> Veronica Pinnaro', AT	
P 273	Control of neutrophil effector function by the actin-regulatory protein Coronin 1a	17:30 - 18:30
	<i>Poster Presenter:</i> Anton Shaverskyi, DE	
P 274	Investigating the role of ADAP in mast cells upon <i>Listeria monocytogenes</i> encounter	17:30 - 18:30
	<i>Poster Presenter:</i> Wiebke Seidler, DE	
P 275	The role of the scavenger receptor CD163 in infection and inflammation	17:30 - 18:30
	<i>Poster Presenter:</i> Bruna Caroline Vêras de Carvalho, DE	
P 276	Environment affects dendritic cells' response via Aryl Hydrocarbon Receptor ligands: A comparison between endogenous and exogenous ligands	17:30 - 18:30
	<i>Poster Presenter:</i> Atefeh Sadeghi Shermeh, DE	
<i>Poster Session</i> 17:30 - 18:30		Poster Exhibition
Poster Session 5: Natural killer and innate lymphoid cells		
<i>Chair:</i> Roland Jacobs, DE		
P 277	CD33 delineates two functionally distinct NK cell populations divergent in cytokine production and antibody-mediated cellular	17:30 - 18:30

	cytotoxicity	
	<i>Poster Presenter:</i> Markus Uhrberg, DE	
P 278	Improving NK cell immunotherapy against rhabdomyosarcoma	17:30 - 18:30
	<i>Poster Presenter:</i> Lisa Marie Reindl, DE	
P 279	Postnatal ILC homeostasis and function is controlled by distinct subset-specific microRNA regulomes	17:30 - 18:30
	<i>Poster Presenter:</i> Mario Witkowski, DE	
P 280	Host KIR/HLA-C genotypes determine HIV-mediated changes of the NK cell repertoire and are associated with Vpu sequence variations impacting downmodulation of HLA-C	17:30 - 18:30
	<i>Poster Presenter:</i> Timo Trenkner, DE	
P 282	Deconvoluting global cytokine signaling networks in natural killer cells	17:30 - 18:30
	<i>Poster Presenter:</i> Gabriela M Wiedemann, DE	
P 283	Group 2 innate lymphoid cells at the fetal maternal interface	17:30 - 18:30
	<i>Poster Presenter:</i> Claudia Duerr, DE	
P 284	Reverse Signaling of TRAIL Triggers Degranulation and IFNγ Production in Human Natural Killer Cells	17:30 - 18:30
	<i>Poster Presenter:</i> Timo Trenkner, DE	
P 285	Engagement of CD56 can stimulate Natural Killer cell responses	17:30 - 18:30
	<i>Poster Presenter:</i> Lea Katharina Picard, DE	
P 287	Mapping the transcriptional regulation and microanatomical niches of tissue-resident NK cells during development and infection	17:30 - 18:30
	<i>Poster Presenter:</i> Christin Friedrich, DE	
P 288	Identification and characterization of serial killing human natural killer cells	17:30 - 18:30
	<i>Poster Presenter:</i> Jens Niemann, DE	
P 290	Effector function of Natural Killer cells is suppressed in acute myeloid leukemia	17:30 - 18:30
	<i>Poster Presenter:</i> Bastian Höchst, DE	
P 291	A platform for functional CRISPR screens of innate lymphocytes	17:30 - 18:30
	<i>Poster Presenter:</i> Alexandra Forrai, DE	
P 292	Functional impact of reverse signalling via PD-L1 in ILC2 during type 2 immune responses	17:30 - 18:30
	<i>Poster Presenter:</i> Moritz Bailer, DE	
P 293	Entry of Natural Killer Cell-derived Granzyme B into Target Cells	17:30 - 18:30
	<i>Poster Presenter:</i> Nora Bruning, DE	
P 294	Mapping the fate decision of single NK cells in vivo	17:30 - 18:30
	<i>Poster Presenter:</i> Marine Pujol, DE	
P 295	Ultra-high Throughput Single-cell TCR and Transcriptome	17:30 - 18:30

Sequencing Using Combinatorial Barcoding RNA-seq

Poster Presenter: Zheng Song, DE

P 296

Origin and dynamics of innate lymphoid cells within the developing and adult mouse CNS

17:30 - 18:30

Poster Presenter: Alba Del Rio Serrato, DE

Saturday, 10. September 2022

Main Session

09:00 - 10:30

Hörsaal F

Main Session 7: Adaptive Immunity

Chair: Wilfried Ellmeier, AT

Chair: Jochen Hühn, DE

Unexpected Roles for Ubiquitin in Immunity

09:00 - 09:30

Speaker: Justine D. Mintern, AU

Context-specific regulation of the tumor microenvironment by regulatory T cells

09:30 - 10:00

Speaker: Tobias Bopp, DE

A longterm perspective on adaptive immunity

10:00 - 10:30

Speaker: Andreas Radbruch, DE

Main Session

09:00 - 10:30

Hörsaal A

Main Session 8: Immunity at interfaces

Chair: Christian Kurts, DE

Chair: Erika Jensen-Jarolim, AT

Determinants of pulmonary immune homeostasis

09:00 - 09:30

Speaker: Sylvia Knapp, AT

Targeting T cell Interactions for Tailored Immunity

09:30 - 10:00

Speaker: Joanna Groom, AU

Maturation of innate and adaptive T cells during early life

10:00 - 10:30

Speaker: Sarina Ravens, DE

Main Session

09:00 - 10:30

Hörsaal D

Main Session 9: Reinhold E. Schmidt Symposium of Clinical Immunology: Inborn Errors of Immunity

Chair: Bodo Grimbacher, DE

Chair: Hans-Hartmut Peter, DE

Inborn Errors of Immunity as Trendsetters of Precision Medicine

09:00 - 09:30

Speaker: Fabian Hauck, DE

B cell fate decisions in autoimmune lymphoproliferative syndrome

09:30 - 10:00

Speaker: Marta Rizzi, DE

Novel inborn errors of immunity at the border of immunodeficiency, dysregulation, and cancer predisposition

10:00 - 10:30

Speaker: Kaan Boztug, AT

Poster Exhibition

09:00 - 13:00

Poster Exhibition

Poster Exhibition

Plenary

11:00 - 12:30

Hörsaal F

Plenary Session 3: Immune Tolerance

Chair: Wolfram Hötzenecker, AT

Chair: Percy A. Knolle, DE

Control of antigen-presenting cells by regulatory T cells to induce immune tolerance

11:00 - 11:30

Speaker: Shimon Sakaguchi, JP

Macrophages: guardian angels of tissue homeostasis and immune tolerance

11:30 - 12:00

Speaker: Gerhard Krönke, DE

AllergoOncology: IgE class antibodies for cancer immunotherapy

12:00 - 12:30

Speaker: Sophia N. Karagiannis, GB

Closing Remarks

12:30 - 13:00

Hörsaal F

Closing Remarks

Closing remarks / Award ceremony (AAI Bright Sparks Awards, Jochen Kalden Junior Prizes, Poster Prizes)

12:30 - 13:00

Speaker: Christine S. Falk, DE

Speaker: Erika Jensen-Jarolim, AT