

ICI 2016
SUNDAY 21 August 2016 - FRIDAY 26 August 2016
Melbourne Convention and Exhibition Centre

Monday 22 August 2016



Room	103	104	105 & 106	109 & 110	111 & 112	203 & 204	Plenary 1	Plenary 2	Plenary 3
08:30			B Cells <i>Chairperson: David Tarlinton</i>				Tolerance & Transplantation <i>Chairperson: Geoff Hill</i>	Cancer Immunotherapy <i>Chairperson: Jane Grogan</i>	Autoimmunity <i>Chairperson: Daniel Gray</i>
08:30			Sidonia Fagarasan				Immunoregulation in Transplantation Wood Kathryn	Immune Checkpoint Blockade in Cancer Therapy: New Insights, Opportunities, and Prospects for a Cure. Allison James	Diane Mathis
09:00			Understanding T-B interactions in the germinal center response Qi Hai				James Ferrara	Immunotherapy for persisting viral infection and associated cancer Frazer Ian	Christopher Goodnow
09:30			Facundo Batista				Immunotherapy with antigen specific T cells for viral infections after transplant Heslop Helen	Ana Anderson	The Innate Side of Lupus Pascual Virginia
10:15	BREAK								
10:30	Transcription Factors <i>Chairperson: Chen Dong, Ichiro Taniuchi</i>	Emerging Technologies <i>Chairperson: Evan Newell</i>	Treg 1 <i>Chairperson: Iris Caramalho, Vincenzo Barnaba</i>	Allergy 1 <i>Chairperson: Cezmi Akdis</i>	Lymphocyte Signalling <i>Chairperson: Hongbo Chi, Melissa Call, Sho Yamasaki</i>	Autoimmunity 1 <i>Chairperson: Nibhriti Das</i>	Vaccines 1 <i>Chairperson: Katja Fink, Ken Ishii</i>	Tumour Immunology 1 <i>Chairperson: Bruce Robinson</i>	Cytokines, Interferons & Inflammation 1 <i>Chairperson: Christine Biron, Marcel Batten</i>
10:30	2131: The dual role of Bcl6 in the regulation of the differentiation and function of follicular cytotoxic T cells Crystal Chen	1831: Next-generation detection of antigen-responsive T cells using DNA barcode-labeled peptide-Major Histocompatibility Complex I multimers Amalie Kai Bentzen	2600: Nr4a receptors promote completion of Treg cell developmental program and prevent conversion of labile Treg precursors into pathogenic cells Takashi Sekiya	1245: The Nedd4-2-Ndfip1 axis is essential to curtail mast cell-dependent IgE-mediated anaphylaxis in vivo. Kwok Ho (Dave) Yip	1765: Soluble CD52 binds the damage-associated molecular pattern protein HMGB1 to mediate T-cell suppression through the Siglec-10 receptor Leonard Harrison	2907: Rogue Germinal Center B cells: Unconventional lymphocytes released by FAS inactivation that drive IgE and autoantibody production Danyal Butt	2243: Using a "prime-and-trap" vaccine strategy to generate liver TRM and protect mice from malaria liver-stage infection. Wei Yi Ng	2952: Increasing antitumor efficacy of checkpoint blockade by targeting to the tumor microenvironment Jessica Ingram	2917: IFN- λ production of CD8 cDCs in response to DNA-viruses, transfected dsDNA or cyclic-di-nucleotides depends on STING Hubertus Hochrein
10:40	2075: Mapping regulatory networks in Human Regulatory T cells by chromatin conformation capture Simon Barry	3509: Multiplexed Spatially Resolved Protein Detection from FFPE Samples for Oncology and Immunotherapy Michael Rhodes	3469: Human Foxp3-negative follicular regulatory T cells control IgE responses Pablo Fernandez De Canete Nieto	1908: Humanized allergic NOD-SCID IL-2R γ -/- mice as in vivo model for novel allergy vaccines Caterina Vizzardelli	3090: Role of Galectin-3 in Influenza Virus infection by regulating Host Immune Responses and IL-1 β production Huan-Yuan Chen	940: ES-62, an immunomodulator secreted by the filarial nematode Acanthocheilonema viteae resets the effector: regulatory B cell balance in the MRL/Lpr model of Systemic Lupus Erythematosus Margaret Harnett	1930: A novel R848-conjugated inactivated influenza virus vaccine is safe and efficacious in a neonate nonhuman primate model Martha Alexander-Miller	828: Induction of stem cell-like memory T cells by cancer vaccine correlates to enhanced antitumor effect Yukai He	1107: Type I interferon signalling suppresses anti-parasitic CD4+ T cell responses during visceral leishmaniasis Rajiv Kumar
10:50	768: A combinatorial threshold model for effector differentiation of CD8+ T cells mediated by Blimp-1 and T-bet Frederick Masson	2351: Proof of concept for MHC allelic replacement by CRISPR-Cas9 assisted cassette exchange William Kelton	3642: Selective control of regulatory T cells through TCR signaling molecule Atsushi Tanaka	3791: Role of interleukin-36 γ in regulating lung inflammation Hock Tay	1457: Themis regulates cytokine signals in mature CD8+ T cells. Joanna Brzostek	1906: Insulin-degrading enzyme deficiency protects from type 1 diabetes by regulating autoantigenicity and proliferation of pancreatic beta cells Peter Van Endert	2847: Protective Efficacy of Tuberculosis-Specific T Cell Immunity in the Lung After Aerosol Delivery of Adenoviral Vaccines in Nonhuman Primates Patricia Darrah	2858: Intravital visualization of brain metastasis immune surveillance reveals organ-specific regulation by the neuronal chemokine fractalkine Tomasz Zal	2867: MKP5 regulates RIG-I and STING mediated IRF3-type I interferon response in response to virus infection Yongliang Zhang
11:00	757: The role of SATB1 in virus-specific CD8+ T cell mediated immunity Simone Nuessing	2716: Editing the genome in cells and mice using CRISPR/Cas9 technology Marco J. Herold	2314: Pharmacological inhibition of acid sphingomyelinase or genetic ablation enhances CD4+ Foxp3+ regulatory T cell activity Claudia Hollmann	2394: Low-dose interleukin-2 induces regulatory T-cell mediated control of experimental food allergy Benjamin Bonnet	3310: Interactomics and structure-function analysis of the RLTPR protein underpin its essential role for costimulation via CD28 in mouse and human T cells Marie Malissen	3891: Cellular misfolded proteins rescued from degradation by MHC class II molecules are targets for autoantibodies in autoimmune diseases Hui Jin	3188: Characterising the lymphatic immune responses induced by sub-cutaneous and intramuscular injection of the human vaccine adjuvant AS01 Michael De Veer	3815: Cytokine-driven loss of plasmacytoid dendritic cell function in chronic lymphocytic leukemia Fabienne Mackay	4251: IN VIVO visualizing the IFN- β response required for tumor growth control in a therapeutic model of poly A:U administration Mariana Maccioni
11:10	1665: Transcriptional networks that establish B cell identity Tomokatsu Ikawa	336: Cancer-specific T cell receptor isolation by single cell PCR for cancer immunotherapy. Linda Hibbert	1170: TCR signal strength regulates Akt substrate specificity to induce alternate Th and Treg differentiation programs Penelope Anne Morel	716: The ORMDL3-ceramide axis may be a novel therapeutic target for the control of allergic airway disease Jamie Sturgill	3906: "Microsynapse" composed of focal adhesion molecules surrounding TCR microcluster is essential for T cell activation Takashi Saito	2068: Targeting KCa1.1 channels inhibits the invasiveness of fibroblast-like synoviocytes and attenuates models of rheumatoid arthritis Christine Beeton	1808: Immunogenicity and Biodistribution of Nanoparticles In Vivo Peter Tsirikis	1528: Dysregulated repair processes in inflammation and colorectal cancer; pathogenic regulatory T cells to blame? Fanny Franchini	2207: Serum interleukin 38 is associated with disease severity and organ involvement in systemic lupus erythematosus. Ina Rudloff
11:20	1387: Hierarchical regulation of enhancer establishment and gene expression by transcription factors during mononuclear phagocyte development Daisuke Kurotaki	956: A scalable multiplex assay enabling assessment of TCR specificity to hundreds of self- and pathogen-derived antigens Mark Klinger	1532: Evaluation of Galectin-9 blocking mono-clonal antibodies as novel immune-checkpoint inhibitors via the targeting of regulatory T cells in cancer. Rami Mustapha	1116: MicroRNAs in skin sensitization Tim Lindberg	629: TRAF adaptors limit IL-6 receptor signaling through an unexpected binding to the signaling transducer receptor gp130 Takanori So	3167: Glycerophospholipids Regulate Immunity and Inflammation via Induction of Myeloid-Derived Suppressor Cells Ram Singh	3016: Modulation of host immune responses using influenza viruses expressing functional miR-150 Yingju Xia	3258: The effects of targeting both PD-1 and CD96 on tumour immunity, autoimmunity and immune homeostasis Heidi M. Harjunpaa	735: A new function for TRAF1 in regulation of TLR signaling underlies the role of TRAF1 in rheumatic disease Ali Abdul Sater
11:30	1506: Batf2/Irf1 Induces Inflammatory Responses in Classically Activated Macrophages, Lipopolysaccharides, and Mycobacterial Infection Reto Guler	3224: Small airway-on-a-chip: a novel microphysiological system to study human lung inflammation in vitro Kambeiz Hajipouran Benam	1582: Toll-like receptor 9 is required for the maintenance of CD25+FoxP3+CD4+ Treg cells during Listeria monocytogenes infection Joseph Dolina	2066: Are house dust mites (HDM) potential carriers of bacteria responsible for the induction of sensitisation to microbial "allergens"? Sheron Dzoro	3633: A Structured Pathway for T Cell Receptor Signal Transmission Through the Membrane Matthew Call	4108: Role of the TNF-family cytokine TL1A and its receptor DR3 in systemic autoimmunity and glomerulonephritis Francoise Meylan	4219: Novel Mannose- α (1 \rightarrow 2)-Mannose decorated liposomes for Dendritic Cell Targeted Nanovaccines: Strong humoral and cell immune response against Brucella ovis. Juan Sebastian Pappalardo	1718: Alpha Fetoprotein Immune Modulation via DC and NK cells Lisa Butterfield	1355: Elevated pressure promotes EndoMT-induced fibrosis via a caveolin-1 dependent mechanism Waled A. Shihata

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11:40	1911: CD74 – A novel transcription factor Naama Gil-Yarom	1127: The GARD assay for potency assessment of skin sensitizing chemicals Andy Forreryd	1493: Multi-faceted inhibition of dendritic cell function by CD4+Foxp3+ regulatory T cells Christina Seitz	3831: Virus infected human mast cells have a unique and potent type 1 interferon response and selectively respond to interferon activation Jean Marshall	2782: Quantitative analysis of Vav1 signalosome in primary CD4 T cells identify several new Vav1 partners including CD226 Abdeelhadi Saoddi	748: Inflammatory circuit of Th17 cells, fibroblast-like synoviocytes, and ILCs in the development of autoimmune arthritis Keiji Hirota	219: Correct use of GM-CSF as A therapeutic vaccine adjuvant to treat chronic HBV infection Bin Wang	2714: Treating Cancer One Interferon at a Time Anthony Buzzai	1989: Targeting IL-4 receptor alpha mediated signaling to treat fibroproliferative diseases: The case of chronic schistosomiasis Justin Nono Komgwap
11:50	2692: Deciphering the importance of H3K27me3 demethylation during early CD8+ T cell responses against influenza A virus Jasmine Li	1711: αHER2/CD3 Bifunctional RNA Engineered Human T Cells Specifically Eliminate HER2+ Gastric Cancer Feifei Luo	2281: High-content cytotoxic assays reveal the biological activity of pathological and therapeutical cytotoxic T lymphocytes Delphine Guipouy	278: The effect of early postnatal colonisation of newborns by probiotic vaccine Colinfant New Born on allergy incidence and immune system characteristics Jiri Hrdy	3964: Engagement of TCR with foreign and self antigens trigger distinct signaling pathways to generate different T cell responses Moe Shiokawa	2352: TLR induced IL-1beta production in monocytes and dendritic cells in T1D patients Anna Sediva	1488: Single shot booster vaccination against diphtheria does not induce sufficient long-term protection, particularly in elderly people Marco Grasse	3604: Mast cell dependent T-cell activation mediates immune surveillance of intestinal cancer in ApcMin+ mice Haribabu Bodduluri	2954: Autocrine and paracrine IL-2 signals collaborate to regulate distinct phases of CD8 T cell memory Yevgeniy Yuzefpolskiy
12:10	BREAK								
12:30			Allergy 1	Microbiome	Antigen Presentation	Th Differentiation	Dendritic Cells	Cancer Immunotherapy	Innate Lymphoid Cells
			<i>Chairperson: Clare Lloyd</i>	<i>Chairperson: Jon Sprent</i>	<i>Chairperson: Malini Raghavan</i>	<i>Chairperson: Franca Ronchese</i>	<i>Chairperson: Ken Shortman</i>	<i>Chairperson: Olivera Finn</i>	<i>Chairperson: Nicholas Huntington</i>
12:30			Hamida Hammad	Charles Surh	Matthew Albert	Riitta Lahesmaa	Toward an integrative biology of T cells and dendritic cells Malissen Bernard	Carl June	Regulatory mechanisms for ILC2 functions in allergic inflammation Koyasu Shigeo
13:15	BREAK								
13:30	Reproductive Immunology	Computational Immunology & Systems Biology	Immunity to Viruses 1	B Cells 1	NK cells 1	Autoimmunity 2	HIV 1	T Cell Memory	Cytokines, Interferons & Inflammation 2
	<i>Chairperson: Sarah Robertson</i>	<i>Chairperson: Carmen Molina-Paris, Massimiliano Paganì, Benny Chain</i>	<i>Chairperson: Katherine Kedzierska</i>	<i>Chairperson: Adrianna Gruppi, Mübeccel Akdis</i>	<i>Chairperson: Angela Santoni, Sophie Ugolini</i>	<i>Chairperson: Nattiya Hirankarn</i>	<i>Chairperson: Thumbi Ndung'u, Anna-Lena Spetz</i>	<i>Chairperson: Susanne Heinzel, Laura MacKay</i>	<i>Chairperson: Shinobu Saijo, Paul Hertzog</i>
13:30	428: Roles of iNKT and dendritic cells in myometrium for the induction of miscarriages by α-galactosylceramide Yasuyuki Negishi	3895: The earliest lineage priming regulators leading to the dendritic cell subtypes Shalin Naik	3986: Categorical Analysis of the Complex Associations of T cell Antigen Specificity and T cell Exhaustion in Chronic HBV Infection Yang Cheng	3035: A mucosal-derived systemic IgM B-cell memory response in non-immunized mice Claude-Agnès Reynaud	3127: NK cell Receptor Inhibition Determines NK Cell Cytolytic Potential Through Accumulated Granular Load. Jodie Goodridge	3776: Regulation of immune response genes by endogenous retroviruses Claudia Loetsch	3230: Neutrophils mediate potent and rapid anti-HIV antibody-dependent functions Matthew Worley	1137: T cell exhaustion is Reinforced by Progressive De novo DNA Methylation Programming Benjamin Youngblood	1821: Unraveling the dynamics of fate in emergency haematopoiesis using cellular barcoding Dawn Lin
13:40	3972: Protection of mother and fetus against bacterial infection induced complications via prophylactic treatment during pregnancy with a microbial-derived immunomodulator Naomi Marie Scott	267: Characterisation of the T cell receptor repertoire following immunisation. Benny Chain	3406: Antigen-driven specialization and differentiation of T cells in chronic infections Daniel T. Utschneider	3786: IL21 signaling in the B-cell response to antigen. David Tarlinton	4212: Targeting Regulators of Natural Killer Cell Homeostasis in Cancer Immunotherapy. Rebecca B. Delconte	1082: A Single Epitope is Recognized by Anti-IFNγ Autoantibodies in Patients with Mycobacterial Disease: Clinical Implications Chia-Hao Lin	2613: "HIV-1 controllers"- what's their secret? Vijaya Madhavi	2390: IL-15 complexes induce migration of resting memory CD8 T cells into mucosal tissues. Amanda Marzo	3253: Increased Src Kinase Activity Leads to Chronic Obstructive Pulmonary Disease (COPD) and Lung Cancer Maverick Lau
13:50	3149: Vitamin-D and fetomaternal immunity: effects on uterine natural killer cells Louisa Jeffery	3630: Predicting reconstitution of CD4 T-cells after paediatric haematopoietic stem cell transplantation (HSCT) Robin Callard	1912: Spatiotemporally distinct interactions with DC subsets facilitates CD4 and CD8 T cell activation to localized viral infection Jyh Liang Hor	618: Dynamic changes in E-protein activity orchestrate germinal center and plasma cell development Renee Gloury	3563: Novel function of NK cell to regulate cancer-associated inflammation Yoshihiro Hayakawa	2639: Isolation and characterization of hyporetin-reactive CD4+ T cells in narcoleptic patients Daniela Latorre	950: Gut microbiome and immune activation in mucosal SHIV transmission Yongjun Sui	2982: Distinct mechanisms govern resident memory T cell differentiation and survival in different tissues Erica Wynne-Jones	116: Interleukin-3 amplifies acute inflammation and is a potential therapeutic target in sepsis Georg F. Weber
14:00	3338: Antigen-Specific Protective Immunity in Chlamydia trachomatis Genital Infection is Dependent on Effector Cell MicroRNAs Bernard P Arulanandam	1682: Persisting fetal clonotypes influence the structure and overlap of adult human TCR repertoires Mikhail Pogorelyy	3186: IL-15 and TGF-β promote the selective retention of virus-specific resident memory T cells in human lymphoid organs Mainthan Palendira	3094: A novel motif in Activation induced deaminase (AID) is necessary for targeting its mutagenic activity in B cells but is dispensable for E coli mutagenesis. Stephen P. Methot	1770: Extent of Inflammatory Stimuli Influences the Response of Functionally Distinct Natural Killer Cell Subsets Ethan G Aguilar	435: Stimulation of the melanocortin-1 receptor leads to direct neuroprotection via orphan nuclear 4 receptor in inflammatory neurodegeneration Nadine Sucker	2775: The impact of seminal plasma on anti-HIV immunity John Selva Kevin	4196: Intravascular surveillance by terminally differentiated effector and memory CD8+ T cells Olga Barreiro	1364: SMG1 is a regulator of toll-like receptor responses. Tara Roberts
14:10	2312: Maternal asthma exacerbation before mating offers strong protection against offspring asthma Melanie Conrad	2553: Regulatory T cells suppress effector T cell proliferation by limiting division destiny Mark R. Dowling	4149: 125. Human cytomegalovirus reprograms human bone marrow progenitor cells into nitric oxide-producing, long-life, immune suppressive monocyte subset to achieve latency Ke Zen	169: Investigating the role of the Bcl2 family member A1/Bfl1 in lymphocyte homeostasis and function Andreas Villunger	2024: Murine peripheral NK cell populations originate from site-specific immature NK cells more than from BM-derived NK cells Ramit Mehr	2544: Macrophage derived ROS regulate arthritis and psoriasis-like dermatitis in ZAP deficient SKG mice Simon Guerard	3825: Ablating cellular Inhibitors of Apoptosis (cIAPs) specifically sensitizes HIV-infected CD4+ T cells to death, reducing viraemia and immune attrition in humanized mice. Cody Allison	2942: The role of IL-36 in the immune response to influenza infection Alexander Wein	2000: GM-CSF-induced expansion of phagocytes is sufficient to trigger demyelination and neurological deficits Sabine Spath
14:20	3862: Repeated priming with male seminal fluid expands regulatory T cell populations to build pregnancy tolerance in mice Sarah A. Robertson	3653: RTCR: a pipeline for complete and accurate recovery of T cell repertoires from high throughput sequencing data Bram Gerritsen	862: The role of monocyte apoptotic cell disassembly in Influenza A virus infection Georgia Atkin-Smith	876: Serine/threonine phosphatase PP4 is required for class switch recombination through recruitment of gammaH2AX Yu-Wen Su	3320: Natural Killer (NK) cells and γδ T cells differentially modulate Th17-driven disease in ankylosing spondylitis. Nikki Horwood	3191: The role of anti-inflammatory cytokine interleukin-27 in atherosclerosis Ekaterina Koltsova	4117: Overexpression of total-STAT1 during lymphopenia-induced proliferation leads to diminished CD4 T cell survival: implications in HIV infection Marta Catalfamo	4176: Identifying Novel Regulators of Tissue Resident Memory CD8 T Cell Differentiation John Milner	3066: HGK/MAP4K4 deficiency induces TRAF2 stabilization and Th17 differentiation leading to T-cell-mediated type 2 diabetes Huai-Chia Chuang

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14:30	1306: Effect of TGF-β treatment on Treg cells in adverse pregnancy caused by Toxoplasma gondii infection Xuemei Hu	4178: Utilization of SWIFT cluster templates to register (normalize) fluorescence intensity in flow cytometry data at two levels of resolution Tim Mosmann	2057: Study of rhinovirus-specific antibody responses in children under 4 years using the PreDicta microarray Katarzyna Niespodziana	2542: Selective regulation of noncoding RNA by mediating AID-interacting molecule GANP Kazuhiko Maeda	443: Human Lung NK Cells are Predominantly Constituted by Highly Differentiated Hypofunctional CD69-CD56dim Cells Nicole Marquardt	4167: T cell tolerance in the pancreatic islets is mediated by MerTK during type 1 diabetes Robin Lindsay	850: Prime-Boost Immunisation Strategies with Recombinant HIV Vaccines Induces Vaginal Mucosa HIV-specific CD8 T-cells Hyon-Xhi Tan	832: Stage-Specific Role for FoxO1 in the Maintenance of T-Cell Memory M. Suresh	3686: Matrix Metalloproteinase-7 increases IL-8 release from primary lung fibroblasts derived from patients with/without chronic lung transplant rejection. Jade Jaffar
14:40	3540: Circulating blood macrophages transmit Chlamydia infection to the testis Emily R. Bryan	3877: Distinctive differences in Lymphocyte receptor repertoire and in cell frequencies results in an individual immune system Florian Rubelt	2601: PLCβ2 negatively regulates innate immune responses through TAK1 in Hand, foot and mouth disease Dapeng Yan	3893: Unraveling the function of human IgD in individuals with heterozygous mutations in IGHD Menno Van Zelm	1915: Harnessing NK cells to target chronic lymphocytic leukemia: Design and efficacy of novel trispecific immunoligands Maulik Vyas	879: PTEN ameliorates autoimmune arthritis through down-regulating STAT3 activation with reciprocal balance of Th17 and Treg Seung Hoon Lee	1552: CX3CR1+ CD8 T cells promote monocyte activation and cardiovascular risk Michael Freeman	1622: HVEM regulates effector versus memory cell fate decisions following respiratory poxvirus infection Pritesh Desai	1014: Altered response of macrophages to an inflammatory stimulus in an allergic environment Crstan Herbert
14:50	3616: Uterine regulatory T cells prepare a tolerogenic environment for embryo implantation and imprint maternal-fetal tolerance during early gestation Laura Maria Florez	1539: T cell receptor signaling and Toll-like receptor signaling converge to amplify T cell responses Mary Young	3468: Bone marrow monocyte priming and pathological CNS infiltration are independently mediated by local IFN-γ production in WNV encephalitis Paula Niewold	1559: The Role of Gene Conversion in the Diversification of Murine IgM Plasma Cells Gordon Dale	2638: Selective modulation of Natural Killer (NK) cell phenotypes through chromatin modifying mechanisms Adam Cribbs	1305: CD4+ T cells from the pancreatic islets of an organ donor who had type 1 diabetes recognize epitopes formed by transpeptidation Stuart Mantering	3305: Immunological efficacy of therapeutic vaccination in chronically HIV-1 infected patients is impacted by the process and the route of vaccine administration Nabila Seddiki	1003: Local boosting with 4-1BBL induces long-lived lung parenchymal and circulating memory populations that protect against influenza infection Angela C. Zhou	1909: An alternatively spliced IL-15 isoform modulates cell signaling and promotes skin lesions in Herpes simplex virus-1 zosteriform mouse model Chia-Chi Ku
15:00	4101: Characterization and functionality of MAIT cells at the feto-maternal interface Martin Solders	3022: Large-scale network analysis reveals the architecture of antibody repertoires Enkelejdao Miho	4093: Intrinsic Strain Difference in CD8 T Cell Responses to TCR Signaling and Consequences for Resistance to Viral Infection Christine Biron	2043: Analysis of The IgE Repertoire in Healthy, Non-allergic Individuals by Massive Parallel Sequencing Maryvyn Koning	2836: Crosstalk with regulatory dendritic cells promotes NK cell activation towards an alternative phenotype characterized by low secretion of IFN-γ Nicolas Ignacio Torres	3770: Granzyme A-deficiency breaks immune tolerance and promotes organ-specific autoimmune disease through a type I interferon-dependent pathway Helen Thomas	480: Lower immune activation, potent cytotoxic responses and preserved balance between Tregs and Th17 profiles characterize the mucosal tissue of HIV-controllors. Maria Rugeles	2623: Long-lived resident CD4+ Th2 memory cells cause allergen-induced exacerbations of allergic asthma Sahar Kazemi	490: A new Toll-like receptor adaptor protein that provides specificity to inflammatory cytokine production from macrophages Matthew Sweet
15:10	BREAK								
15:30	NK Cells	HIV	Immunity to Viruses 1	Allergy 1	Treg	Immunity to Bacteria & Fungi 1	Tumour Immunology 1	Cytokines, Interferons & Inflammation 1	Autoimmunity 1
15:30	739: Loss of DNAM-1 ligand expression by acute myeloid leukemia cells renders them resistant to NK cell killing Conor Kearney	1124: Influenza Vaccine Induces anti-nuclear and anti-double strand DNA IgG Antibodies and Their Relates to Levels of Microbial Translocation in Antiretroviral-treated Aviremic HIV-infected Patients Wei Jiang	2969: Broad αβTCR cross-strain recognition of influenza A viruses Sergio M. Quiñones-Parra	1524: Local remodeling, mast cell activation and sphingosine-1-phosphate elevation precede atopic dermatitis Carole Oskeritzian	2706: Human Intrahepatic Treg are functional, require IL-2 from effector cells for survival and are susceptible to FAS Ligand mediated apoptosis Hannah Jeffery	3477: Gender dimorphism in the immunomodulatory role of Beta 2-glycoprotein I in sepsis Fatima El-Assaad	4091: The role of the CXCL9/CXCR3 axis in mediating T-cell skewing in chronic lymphocytic leukemia Bola S. Hanna	1217: The potential of inflammatory responses to contribute to the development of transfusion-related acute lung injury (TRALI) Annette Sultana	632: Anti-myeloperoxidase pathogenic autoimmunity can be induced by a Staphylococcus aureus plasmid derived peptide Joshua D. Ooi
15:35	2520: Killer cell Immunoglobulin-like receptor 3DL1 polymorphism defines distinct hierarchies of Human Leukocyte Antigen recognition Julian Vivian	851: The role of chemokines in the natural resistance of baboons to SIV infection Veronica Obregon-Perko	1141: Epigenetic Modifications of PD-1 and Immune Escape of HBV Jie Chen	300: Perinatal exposure to GOS/inulin prebiotics prevent food allergy by promoting tolerance and protecting intestine. Marie Bodinier	2776: CD226 ligation protects against EAE by promoting IL-10 expression via regulation of CD4+ T cell differentiation Hanyu Zeng	3935: Langerin+ CD8a+ dendritic cells play a protective role early after systemic bacterial infection in mice Joanna Kirman	422: Superior power of neoadjuvant immunotherapy to eradicate metastatic disease Michele Teng	2301: Sinomenine inhibits inflammation through α7nAChR of cholinergic anti-inflammatory pathway in sepsis mice and macrophages stimulated by lipopolysaccharide Yan Dong	2111: Short chain fatty acids regulate CD1d-restricted natural killer T cells in limiting autoimmune diabetes James Lauchlan Richards
15:40	3675: Plundering the non-classical MHC to find buried treasure Dan Andrews	3835: Immune Response to Mycobacterium tuberculosis in patients with Human Immunodeficiency Virus vertical infection Paulo César Martins Alves	1546: Innate mediators of amphibian immunity provide protection against human influenza viruses David Holthausen	1903: A Phloroglucinol from Melicope ptelefolia Attenuates IgE-Mediated Mast Cell Degranulation via Calcium-Dependent Signalling Pathways Chau Ling Tham	3180: CD4+ T cell homing in Cystic Fibrosis peripheral blood Emily Mulcahy	865: A potential role for bacterial superantigens in tonsillar hypertrophy Fiona Radcliff	1240: Highly suppressive regulatory T cells frequency in peripheral blood of breast cancer patients and their association with exhausted T CD8 lymphocytes. Miriam Victoria Martín Manzo	3848: A new GM-CSF-dependent pathway in arthritis Adrian Achuthan	2357: Autoimmune Response to Amyloidogenic Transthyretin in Childhood Arthritis Halima Moncrieffe
15:45	2844: IL-23 promotes NK cell activation and IFN-γ secretion Andrea Ziblat	1073: HIV-1 Nef down-regulated CD1a lipid antigen presentation in immature dendritic cells through hemopoietic cell kinase (Hck) and p21-activated kinase 2 (PAK2) Eiji Shinya	1851: Effects of Human Papilloma Virus oncoprotein E7 on antigen presentation and potential involvement of keratinocyte exosomes. Megha Budhwani	2428: Interaction molecule-1/2 plays essential role in basophil activation and development of IgE-mediated chronic allergic inflammation Soichiro Yoshikawa	3878: Interleukin-21 limits regulatory T cell populations by modulating responsiveness to Interleukin-2 Christoph Jandl	257: Lung tissue resident T cell immune responses to Mycobacterium tuberculosis infection in humans Paul Ogongo	1819: Positive Feedback Loop between B cells/plasma cells and Macrophages Promote M2 Macrophage-Elicited Hepatoma Progression Dong-Ming Kuang	137: Enhanced expression of BAFF receptor (BR3) on peripheral monocytes contributes production of IgG by B cells through IL-6 signaling in patients with primary Sjögren's syndrome. Keiko Yoshimoto	2840: Overexpression of interleukin-10 in rheumatoid arthritis: Relationship with IL10 haplotypes and autoantibodies Jorge Hernández-Bello
15:50	11: Intratumoral natural killer (NK) cells possess inhibitory phenotype and suppress Th1 effector function Paul Sourav	1494: Complement-Opsonized HIV-1 Overcomes Restriction in Dendritic Cells Wilfried Posch	1984: Natural H3N2 influenza A infection in humans expands memory B cells specific for the hemagglutinin stalk domain Mark Sangster	2712: Bronchoepithelial cell-derived prostaglandin D2 inhibits eosinophilic lung inflammation Toko Maehara	4096: IL-1β promotes Th17 differentiation by inducing alternative splicing of FOXP3 John Andersson	370: ManLAM of Mycobacterium tuberculosis negatively regulates anti-TB immunity Xiao-Lian Zhang	2208: Anti-VISTA antibody enhances the anti-tumor immune response in mice with mammary tumors Shawn M. Jensen	1479: Anemia in early diabetic nephropathy: the role of erythropoietin deficiency and tumor necrosis factor alpha Ivan Pchelin	3358: Determining the mechanism and scope of a novel immunomodulatory peptide (C1) in rheumatoid arthritis Amita Limaye
15:55	949: Idelalisib promotes anti CD20-mediated ADCC by inhibiting immunosuppressive ROS production in monocytes Ali A. Akhiani	1951: The HIV gp41 conserved pocket binding domain is bifunctional, alternatively mediating both immunosuppression and membrane fusion Yoel A. Klug	2364: Suppression of dendritic cell necroptosis by pandemic influenza virus Boris Hartmann	3222: Genome-derived proteomics reveals the hidden allergens of the pacific oyster (Crassostrea gigas) Roni Nugraha	2789: Low dose Proleukin promotes enhanced regulatory phenotype with selective induction of phosphoSTAT5 and prosurvival Bcl-2 in blood and liver Treg in autoimmune liver disease Hannah Jeffery	1075: A forward genetic screen for zebrafish genes involved in pneumococcal infection Anni Saralahti	3190: APOBEC gene family expression and activity in chronic lymphocytic leukemia: APOBEC3F splice variants correlate with patient outcome Charles C. Chu	3745: ApoE production in monocytes is altered by anti-inflammatory drugs. Makiko Kumagai-Braesch	564: The Role of Somatic Hypermutation and N-glycosylation in the anti-NET Immunoreactivity of RA Synovial Monoclonal Antibodies Elisa Corsiero
16:00	3478: Preparation of TERT-modified human NK cells Maria A. Streltsova	3482: Influence of host genetic factors on HIV in North Indian population Narinder Mehra	3576: Glycoprotein Peptide: A Potential Candidate for Generation of Immune Response against Lethal Ebola Virus Shweta Shweta	1451: Exploring and rewiring the epigenetic circuits leading to asthma Rhys Allan	454: The use of Basiliximab as induction therapy in heart-transplanted children deregulates the regulatory T-cell population (Treg), compromising the natural mechanisms of tolerance of transplanted organs. Rafael Correa-Rocha	2053: Distinct immunological signature for M.tuberculosis infected children with and without overt disease. Françoise Mascart	3455: Regulation of inflammatory tumor microenvironments by SphK1/S1P signaling Beichu Guo	338: Zebrafish as a genetic model for leukemia and other hematopoietic disorders Faiza Basheer	1657: The microRNA-29 family is required for the development of autoimmune pathology Annemarie Van Nieuwenhuijze
16:30	BREAK								
16:45			Inflammation, COPD	Costimulation/ Coinhibition		Lymphocyte Signalling	Tumour Immunology	Mucosal Immunology	T Cell Memory

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Monday 22 August 2016



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			<i>Chairperson: Phil Hansbro</i>	<i>Chairperson: Stephen Turner</i>		<i>Chairperson: Naoko Nakano</i>	<i>Chairperson: Sophie Lucas</i>	<i>Chairperson: Yvonne Bordon</i>	<i>Chairperson: Thomas Gebhardt</i>
16:45			Alison Humbles	Arlene Sharpe		Anjana Rao	Nicholas Restifo	Long-term consequences of mucosal infections Belkaid Yasmine	Transcriptional control of CD8 memory T cell differentiation Goldrath Ananda

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08:30			Golden Anniversary of IgE <i>Chairperson: Wayne Thomas</i>				Infection <i>Chairperson: Lisa Ng</i>	T Cell <i>Chairperson: Linda Sherman</i>	Genetics <i>Chairperson: Nattiya Hirankarn, Sara Marsal</i>
08:30			Hierarchy and molecular properties of house dust mite allergens Wayne Thomas				Tuberculosis: Basic and clinical immunology united against the most successful pathogen on earth Stefan Kaufmann	Rafi Ahmed	Genetics and the Overlap between Common Immune-Mediated Diseases Matt Brown
09:00			Understanding the Rationale of IgE blockade in allergic diseases Ruby Pawankar				The role of dendritic cells in HIV persistence and cure Sharon Lewin	Thymic effector cells Kris Hogquist	Anne Spurkland
09:30			IgE-targeting strategies for treatment of allergy Rudolf Valenta				Jean Langhorne	T cell-mediated regulation of pathogenic antibody responses Carola Vinuesa	Reconstructing regulatory circuits in immune cells: from individual patients to single cells Aviv Regev
10:15	BREAK								
10:30	Granulocytes <i>Chairperson: Attila Mocsai, Ben Croker</i>	Invariant and $\gamma\delta$ T cells <i>Chairperson: Wendy Havran, Dietrich Kabelitz</i>	T Cell Development <i>Chairperson: Katsuto Hozumi, Stephen Daley</i>	HIV 2 <i>Chairperson: Anna-Lena Spetz</i>	Cell Trafficking <i>Chairperson: Eduardo Garcia, Gudrun Debes</i>	Dendritic Cells 1 <i>Chairperson: Meredith O'Keefe, Li Wu</i>	Mucosal Immunology 1 <i>Chairperson: Hiroshi Kiyono</i>	Immunity to Bacteria & Fungi 1 <i>Chairperson: Elizabeth Hartland</i>	Genetics <i>Chairperson: Xuejun Zhang, Elissa Deenick</i>
10:30	527: Neutrophil necroptosis triggers NET release via RIPK3 and MLKL to combat Staphylococcus aureus infection Ben Croker	2823: The protective role of $\gamma\delta$ T cells in neonatal influenza Xizhi Guo	3743: The critical roles of IRF1 and BATF during differentiation of Tr1 cells Katarzyna Karwacz	948: Public TCRs confer high-avidity CD4 responses to HIV Controllers Moran Galperin	2754: Implications of Spns2-deficiency on S1P-driven lymphocytes egress, HEV-integrity and immunity. Szandor Simmons	216: Dendritic cell development is dependent on Drosha-mediated cleavage of mRNAs Timothy Johanson	3874: Profiling immunogenetic bacteria within the microbiota of SKG mice associated with spondyloarthritis and ileitis using IgA-SEQ Linda Rehaume	1143: Mitochondrial stress contributes to differential type I interferon induction by Mycobacterium tuberculosis and Mycobacterium africanum Kirsten Wiens	3184: Cross-talk between DNA break repair and chromosome conformation in developing lymphocytes Patrick Collins
10:40	1007: Redefining Myeloid Cell Subsets in Murine Spleen Ying Hey	3683: Identification of phenotypically and functionally heterogeneous mouse Mucosal Associated Invariant T cells using MR1 tetramers. Hui-Fern Koay	2480: Novel role for heparan sulfate in intrathymic T cell development David Anak Simon Davis	2032: The G801A polymorphism in chemokine cxc ligand 12 (CXCL12) gene is associated with liver complication in HIV-infected Thais who are on combined anti-retroviral therapy. Chareeporn Akekawatchai	4210: Boosting migration and function of tumor-specific T cells using integrin transregulation Joseph Cantor	3129: Clec9A-mediated induction of Tfh and B cell responses Yu Kato	3057: Epithelial HVEM regulates intestinal homeostasis of microbiota and immune cells Jr-Wen Shui	1620: An ITIM-bearing receptor Ly49Q positively regulates the innate immune defense against bacterial infection Yutaka Handa	1763: TLR4 plays a critical role in allowing the persistent, asymptomatic infection with a new commensal Neisseria Jeffrey Frelinger
10:50	1286: Sugar modification of carrier protein in allergen determines the magnitude of IgE and basophil-mediated allergic inflammation Toshihisa Nagao	4122: New pathways regulating immunosurveillance by tissue-resident gd T cells Maria Luisa Iannitto	4114: Notch/RBPJ signaling in a conditional inducible state in vivo Jc Zuniga-Pflucker	1574: Fc effector polyfunctionality in individuals that develop HIV-specific broadly neutralizing antibodies Simone Richardson	1169: Exocrine gland surveillance by tissue resident memory T cells depends on cell contractility and Cdc42-mediated polarity but not integrin and chemokine signaling Xenia Ficht	1191: Dendritic cells, division of labour during peripheral Herpes Simplex Virus-1 Paul Whitney	3978: TGF- β signaling in ILC3 prevents spontaneous microbiota-induced colorectal cancer Julien Marie	3445: 3Infection of mice by Trypanosoma brucei ameliorates host immune response against Brucella melitensis Arnaud Machelart	2028: Neuroinflammatory pathways and risk genes associated with Alzheimer's disease Angela Hodges
11:00	1961: Engagement of the ITIM receptor CD31 regulates neutrophil adhesion and rolling on activated endothelial cells in vitro and in vivo Giuseppina Caligiuri	4133: HEB plays a critical role in the installation of IL-17 program in $\gamma\delta$ T cells Tracy In	236: The Linear Ubiquitin Chain Assembly Complex: A New Function in Thymic T Cell Differentiation and Regulatory T cell Homeostasis Charis Teh	3804: Accumulation of follicular T Helper (Tfh) cells, despite preferential infection, allows establishment of a large and unexpected viral reservoir during HIV infection Anthony Kelleher	1417: CXCR4 mediates homeostatic compartmentalization of monocytes and pulmonary inflammatory responses Shu Zhen Chong	750: BCAP regulates DC homeostasis in response to immune stimulus through bi-switch NF- κ B and PI3K/Akt pathway Fang Fang	636: Hyper Inflammation Signaling in Nlrp3 Mutant Mice Alters Gut Microbiota and Confers Resistance to Colitis and Colorectal Cancer Guangxun Meng	1449: Brahma complex modulates immune signalling in Drosophila melanogaster Mirva Järvelä-Stöltzing	3768: Immunogenetic traits of a heritable CD56+ cell population dysregulated in Multiple Sclerosis: clinical utility and implications for pathogenesis David Booth
11:10	3606: IL-33 fine-tunes mast cell degranulation and chemokine production at the single cell level Régis Joulia	742: $\gamma\delta$ T Cells and the Regulation of Immune Responses at Epithelial Surfaces Wendy Havran	1631: Specific requirement of C-terminal Zn finger motifs in Bcl11b transcription factor for lineage dissection upon receiving positive selection signals in the thymus. Satoshi Kojo	3928: Plasmacytoid DCs control HIV latency in resting T-cells by type I IFN α . Renee Van Der Sluis	2695: L-selectin controls trafficking of chronic lymphocytic leukemia cells in lymph node high endothelial venules in vivo. Fanny Lafouresse	2958: The dendritic cells that prime Th2 immune responses in vivo are transcriptionally heterogeneous Franca Ronchese	1056: High-affinity, poly-reactive IgA is required for gut homeostatic maintenance to prevent colitis in mice. Shinsaku Okai	1115: TLR2/1 orchestrate human pDC response to Gram+ bacteria Salvatore Raieli	1812: Diversity of Killer cell immunoglobulin-like receptors (KIRs) and HLA ligands in susceptibility to dengue infections in northeastern Thais Suwit Chairri
11:20	1462: mMCP-8, a basophil specific protease, triggers an inflammatory response by stimulating fibroblasts to produce chemokines Hidemitsu Tsutsui	1151: Hybrid $\alpha\beta$ - $\gamma\delta$ T cells, novel T cell populations with a critical pathogenic role in CNS autoimmunity Sarah Edwards	3632: The TCR signalosome specifies thymic selection outcome by a quantitative network mechanism that sums activity across a single protein-interaction signature Adam Schrum	311: Variability in HIV-1 Envelope glycan shield vulnerability: implications for immune escape from anti-glycan neutralising antibodies Thandeka Moyo	3000: CXCR8 is the receptor of the mucosal chemokine CXCL17. Jose L. Maravillas-Montero	1467: Activation of plasmacytoid dendritic cells in colon-draining lymph nodes during C. rodentium infection involves pathogen-sensing and inflammatory pathways distinct from CD103+ DC Raine Toivonen	1284: Microbiota of the small intestine are selectively engulfed by phagocytes of the lamina propria and Peyer's patches Masatoshi Morikawa	2046: Functional and Structural Insights into a Unique SEIxy Staphylococcal Superantigen Ries Langley	2940: Association of human MS4A2 genetic variant with lower parasite density in a Malian sympatric population with mild malaria Daniel Amoako-Sakyi
11:30	310: Functional and Metabolic Reprogramming Drives the Development of a Pathogenic Subset of Neutrophils in Inflammatory Airway Diseases Osric Forrest	3871: Thymic precursors to the Mucosal-Associated Invariant T cell lineage Dale Godfrey	3641: The unique features of pT α mediate pre-TCR down-regulation rather than constitutive signalling. Melissa Call	1463: Comparison of the antigen sensitivity of Gag-specific CD4+ T cell responses in controlled HIV infection and HIV vaccination Madhura Mukhopadhyay	3163: Real-time intravital longitudinal imaging of osteoclast formation, function and fate during bone remodeling Tri Phan	3737: Human plasmacytoid dendritic cells diversify into specialized innate and adaptive subsets after viral activation Solana Gabriela Alculumbre	2241: Zymosan Induces Th17 cell Differentiation by Promoting IL-6 Secretion from Small Intestinal Lamina Propria Dendritic cells You-Me Kim	3077: PD-1 Blockade Rescues Mycobacterium tuberculosis Specific Polyfunctional T Cell Responses Divya Kamboj	2473: Identification of differentially methylated genes in purified disease relevant blood cell populations in patients with Spondyloarthritis Corinne Miceli-Richard

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11:40	2875: Pathological manifestations in lymphatic filariasis correlate with lack of inhibitory properties of IgG4 molecules on IgE-armed granulocytes Ulrich Fabien Prodjinotho	4186: Lung γ T cells mount innate and adaptive immune responses to Bordetella pertussis. Alicja Misiak	2673: Cooperative TCR-pMHC-CD8 catch bond distinguishes thymocyte positive versus negative selection Jinsung Hong	3104: Molecular characteristics and use of bovine IgG with broad HIV-1 neutralizing activity from colostrum of cows vaccinated with Env-gp140 trimers Damian Purcell	915: MST1 dependent vesicle trafficking regulates neutrophil transmigration through the vascular basement membrane Angela Kurz	1438: Inflammation induces two types of inflammatory dendritic cell in lymph nodes Jiyoun Min	2406: Oral immunization induces an effective mucosal immune response that protects mice against intravaginal HSV-2 challenge Peter Mulvey	3867: Understanding antigen specificity of CD4+ T cell responses in Salmonella infection is key to vaccine design Nancy Wang	4128: Novel genetic associations of chemokine receptors and chemokines genetic polymorphisms on susceptibility to HIV infection and AIDS progression Jacqueline Valverde-Villegas
11:50	912: Advances in practical clinical blood analysis for eosinophilic disorders using high throughput table top imaging flow cytometry. Justyna Piasecka	3241: Obesity triggers changes in skin IL-17-producing γ T cells Kylie Webster	814: Search for substrates of protein kinase D during thymocyte development Eri Ishikawa	971: HIV and HIV Tat inhibit LPS-induced IL-23 production in human macrophages by distinct intracellular signaling pathways Ashok Kumar	2594: Tc17 cells: a non-cytotoxic pro-inflammatory effector CD8+ T cell subset? Shaun Mccoll	2330: The non-canonical Wnt pathway negatively regulates the differentiation of dendritic cell by inhibiting the expansion of Flt3+ lymphocyte-primed multipotent precursors Li Wu	3142: Interferon- ϵ -regulated gene expression patterns in protection against female reproductive tract infection Jemma Mayall	477: The plasmacytoid dendritic cells exert a tolerogenic function during a pulmonary model of fungal infection Flávio Loures	4193: Regulation of CD4 commitment is conserved between marsupial and placental mammals Dietmar Kappes
12:10	BREAK								
12:30			Macrophages	HIV	Inflammation	T Cell Memory	Genomics	Treg	Microbiome
			<i>Chairperson: Martin Williams</i>	<i>Chairperson: Marc Pellegrini</i>	<i>Chairperson: Alessandra Mortellaro</i>	<i>Chairperson: Linda Wakim</i>	<i>Chairperson: Marc Dalod</i>	<i>Chairperson: William Heath</i>	<i>Chairperson: Jocelyne Demengeot</i>
12:30			Macrophage regulation in tuberculosis Frank Brombacher	Tracking signatures of IL-6 involvement in chronic disease Sarah Rowland-Jones	Patricia Bozza	Susan Kaech	The power of one: Immunology in the age of single cell genomics Ido Amit	Christophe Benoist	David Artis
13:15	BREAK								
13:30	Microbiome	Late Breaker Symposium 1	B Cells 2	NK Cells 2	Stem Cells & Immunity	Autoimmunity 3	Cytokines, Interferons & Inflammation 3	Vaccines 2	Tumour Immunology 2
	<i>Chairperson: Alan Baxter</i>	<i>Chairperson: Greg Lemke, Subha Sen</i>	<i>Chairperson: Dr Anna George, Menno van Zelm</i>	<i>Chairperson: Andrew Brooks</i>	<i>Chairperson: Katarina Le Blanc, Richard Boyd</i>	<i>Chairperson: Güher Saruhan-Direskeneli, Helen Thomas</i>	<i>Chairperson: Stephanie Watowich</i>	<i>Chairperson: Cevayir Coban, Daniela Santoro Rosa</i>	<i>Chairperson: Cristina Bonorino, Shubhada Chiplunkar</i>
13:30	4198: Intestinal interleukin-17 receptor signaling mediates reciprocal control of the commensal microbiota and autoimmune inflammation Pawan Kumar	4627: TAM receptors regulate multiple features of microglial physiology Greg Lemke	1344: Activation induced cytidine deaminase (AID) expression in human B-cell precursors is essential for central B-cell tolerance Tineke Cantaert	3003: Adenosine impairs the proliferative capacity of terminally mature NK cells Arabella Young	3270: High salt driven Th17 response induces stem cell mobilization and accelerates atherosclerosis Dragana Dragoljevic	3374: Elucidating genetic pathways in SLE and stratifying patients via whole genome sequencing Julia Elyard	3134: Bypassing STAT3-mediated Id2 inhibition improves the anti-tumor efficacy of dendritic cells Stephanie Watowich	2055: Off-target effects of a live attenuated pertussis vaccine Camille Locht	2693: The immunoreceptor TIGIT regulates anti-tumor and anti-viral T cell effector function Jane Grogan
13:40	1714: Anticancer Probiotics: a novel tool of the oncological armamentarium Romain Dailière	4405: Inhibitory ITAM signalling and its potential implication in immune tolerance Renato Monteiro	3644: Differential responsiveness of IgM and IgD B cell receptors regulate early B cell development and the activation of mature B cells Übelhart Rudolf	3067: Identification of two MCMV immunoevasins that modulate NK cell recognition via the NKR-P1B:Clr-b axis Oscar Aguilar	2133: Desmoglein 2 (DSG2) is a novel surface marker of endothelial and haematopoietic progenitor cells, and plays a critical role in neovascularization Lisa Ebert	1311: Antigen-specific maturation of autoantibodies in systemic lupus erythematosus Shuhei Sakakibara	962: The mechanism of pathogenicity of IL-17A in CNS autoimmunity Aoife Mc Ginley	2065: 4Antibody responses six years following reduced dose quadrivalent HPV vaccine schedules in fijiian adolescent girls Zheng Quan Toh	1089: Monoclonal antibodies against GARP/TGF- β 1 complexes inhibit the immunosuppressive activity of human regulatory T cells in vivo Sophie Lucas
13:50	858: Early life host-microbiota interactions have lifelong consequences for humoral immunity Hazel Poyntz	4551: Regulation of T cell receptor signaling by lipid metabolites Feng Wang	22: Effects of neonatal microbial exposure on B cell development and protection against allergic and autoimmune disease John Kearney	384: TGF- β inhibits NK cell activation and cytotoxicity through repression of the mTOR pathway Fernando Souza-Fonseca-Guimaraes	866: Human placenta-derived multipotent cells (PDMCs) protect against Klebsiella pneumoniae-induced pneumonia by enhancing polymorphonuclear granulocytes (PMN) functions Li Tzu Wang	3252: Harnessing homeostatic mechanisms to resolve innate-directed neuroinflammation Anne Camille La Flamme	3527: A20 as a master regulator of islet inflammation and diabetes Nathan Zammit	225: Vaccine-induced, antigen-specific TH9 immune response blocks tumor cell engraftment Jean Gariepy	833: Interactions between ILC3 and tumor microenvironmental cells in lung cancer: role in the development of intratumoral tertiary lymphoid structures Guido Ferlazzo
14:00	3564: Dysbiosis-induced IL-33 contributes to impaired antiviral immunity in the genital mucosa Heung Kyu Lee	4471: Reciprocal regulation of Th17 and Treg differentiation by PKC- ζ -phosphorylated Steroid Receptor Coactivator1 Sen Subha	844: miRNAs are critical for the regulation of RAG expression and secondary Ig rearrangement in peripheral B lymphocytes Sergei Korolov	3029: Vigilin Regulates the Expression of the Stress-Induced Ligand MICB by Interacting with its 5' UTR Orit Berhani	1351: The parasympathetic nervous system is involved in the regulation of hematopoietic stem cell activity Annas Al-Sharea	1244: Type 1 diabetes susceptibility genes impair gut physiology and lead to perturbations in the microbiota. Emma Hamilton-Williams	378: Regulation of IL-10 expression in human T-cells in response to TNF blockade Ceri Roberts	475: RNA- and protein-based influenza vaccines induce antigen-specific CD8+ T-cells identified by MHC class I pentamers with different gene expression profiles Trine Meldgaard	2899: High dimensional analysis of tumor mutant antigen-specific CD8+ T cells shows that checkpoint blockade immunotherapy targets T cells in tumors but not the periphery Michael Fehlings
14:10	568: Molecular characterization of alpha-galactosylceramides from commensal Bacteroidales and their immunomodulatory functions to the host Sungwhan Oh	4633: Antigen-linked rather than TFH cell-derived signals select high affinity germinal centre B cells for plasma cell differentiation Robert Brink	2922: Early B cell development requires balanced expression of miR-191 Jonas Blume	3050: Interleukin-1 receptor 8 (IL-1R8) plays a crucial role in NK cell differentiation and function Martina Molgora	1795: BCAP inhibits myeloid cell development from hematopoietic progenitors Jeffrey Duggan	3030: Targeting the survival mechanism of plasmacytoid dendritic cells for immune intervention in lupus Yifan Zhan	1401: Co-expression of receptors type 1 and 2 to TNF- α on immunocompetent cells Alina Alshevskaya	2168: Cross-reactive neutralizing antibody responses of high-growth enterovirus 71 genotype B5 vaccine candidate in rabbits Min-Shi Lee	3980: T cell acute leukaemia development and chemo-resistance are mediated by dynamic interactions with heterogeneous bone marrow microenvironments. Edwin Hawkins
14:20	1273: Targeting gut microbial composition to enhance protective immunity against influenza Lieke Van Den Elsen	4450: Identification of broadly conserved cross-species protective Leishmania antigen and its responding CD4+ T cells Jude Uzonna	3130: Complete degradation of CD74-invariant chain by the endopeptidase SPPL2A is necessary for B cell survival Anselm Enders	3688: The IRE1/XBP1 pathway is a critical regulatory hub for human NK-cell mediated lysis and motility that modulates the actin-binding protein XIRP1. Maher K.Gandhi	3219: Mesenchymal cells expressing Tlx1 serve as an extramedullary niche in the spleen Akihisa Oda	3555: IL-1 receptor antagonist-deficient mice develop autoimmune arthritis due to intrinsic activation of IL-17-producing CCR2+V α 6+ γ δ T cells Aoi Akitsu	2117: Augmented vascular T-cell levels promote vascular dysfunction in the stroke prone spontaneously hypertensive rat via prostanoid pathways Shanzana Khan	3122: Multi-Epitope Chimeric VLP as a Therapeutic Vaccine for Colorectal Cancer Braeden Donaldson	1694: Fibroblast activation protein induces inflammatory fibroblasts via STAT3-CCL2 signaling to promote tumor immunosuppression Yuli Lin
14:30	3371: The effect of Microbiome/Toll-Like receptor interactions on susceptibility to Type 1 Diabetes Alan Baxter	4360: LYVE-1 expressing macrophages as gatekeepers of large blood vessel homeostasis Angeli Veronique	3182: PU.1 and SPI-B transcription factors mediate IG light chain accessibility during B cell development Rodney DeKoter	1335: Disarming A Killer: Novel Viral Infection of Human NK Cells Interferes With Function and Phenotype Tessa Campbell	3806: Production of BMP4 by endothelial cells is crucial for endogenous thymic regeneration Jarrold Dudakov	4191: N-terminal additions to the WE14 peptide of Chromogranin A creates strong autoantigen agonists in type 1 diabetes Niyun Jin	3859: IL-13-dependent biomarkers with liver inflammatory differentiation after pneumococcal sepsis during rapid inflammatory phase Natsuo Yamamoto	268: Induction of mucosal and systemic immune responses following intranasal vaccination with liposomes containing surface-expressed peptide, encapsulated carrier protein: Protection from group A streptococcus following challenge. Mehfuz Zaman	3694: Neutrophils are protective in cancerogenesis by altering tumor microenvironment and controlling intestinal microbiota Andrea Ponzetta
14:40	3674: An expansion of rare lineage intestinal microbes characterizes rheumatoid arthritis Veena Taneja	4728: Tissue-resident ILC2 and inflammatory ILC2: two distinct ILC populations Yuefeng Huang	3391: AP4 mediates resolution of chronic viral infection through amplification of germinal center B cell responses Takeshi Egawa	2121: Role of the non-classical MHC H2-Q10 in NK cell biology Katharine Goodall	160: Menstrual Blood Stromal Stem Cells Modulate the Properties of Dendritic Cells S M.Moazzeni	1026: A role for circulating AIM protein in the pathogenesis of autoimmune type 1 diabetes Ayaka Matsumoto	1194: Host immune responses differ between M. africanum- and M. tuberculosis-infected patients following standard anti-tuberculosis treatment Leopold Tientcheu Djomkam	1023: A novel TB vaccine based on Mycobacterium tuberculosis sulphur metabolism enzymes formulated with AdvaxTM polysaccharide adjuvant Claudio Counoupas	1897: Tissue Resident CD103+CD69+ T cells develop rapidly and do not require cognate antigen within the epidermis of a mouse model of precancerous skin Graham Leggett

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14:50	3208: Association of differential microbiota profile and cytokines expression levels at cervical level in the different stages of cervical cancer Kirvis Janneth Torres Poveda	4656: Bile Acids Control Inflammation and Metabolic Disorder through Inhibition of NLRP3 Inflammasome Di Wang	48: Blimp1 controls plasma cell function through regulation of immunoglobulin secretion and the unfolded protein response Julie Tellier	2832: Orientation of CD56dim NK cells toward IFN-γ production directed by NKG2A/KIR expression upon FcγRIIIa engagement Laurie Lajoie	2345: Differential TLR Activation of Murine Mesenchymal Stem Cells Generates Distinct Immunomodulatory effects in EAE Ana Vega-Letter	1442: Nanoengineered myelin oligodendrocyte glycoprotein peptides suppressed experimental autoimmune encephalomyelitis: Implications in Multiple Sclerosis therapy Manzoor Koyakutty	3345: Regulation of myeloid cell differentiation by S100A8 and S100A9 Philippe Tessier	1790 A model to study the impact of polymorphism in vaccine design, using altered peptide ligands of an immunodominant CD8 T cell epitope. Kirsty Wilson	2889: STK4 regulates TLR pathways and protects against chronic inflammation-related hepatocellular carcinoma. Bin Wei
15:00	3522: The immune pathogenesis of neonatal infection: Relevant to digestive health Shokrollah Elahi	4444: A Novel Function of Human Pumilio Proteins in Innate Immune Responses Ryo Narita	1952: Defining antigen specific plasmablast and memory B cell subsets in blood following viral infection and vaccination of humans Ali Ellebedy	4100: Antigen-specific memory responses of human liver- and skin-derived NK cells Victoria Stary	2730: Characterisation of mesenchymal cell subsets in human lymph nodes Jennifer Eom	3919: Molecular basis for the increased susceptibility of Indigenous North American tribes to seropositive rheumatoid arthritis Ranjeny Thomas	642: Interleukin-13 predisposes to more severe influenza infection in mice and human epithelial cells by suppressing interferon responses and activating the microRNA-21/PI3K signaling pathway Malcolm Starkey	3617: Vaccine antigen design to maximize anti-HIV CD4+ T cell responses Edecio Cunha-Neto	3636: The implications of vaccination-induced IFN-gamma signalling on the control of B-cell lymphoma and the acquisition of immune resistance Rory Rearden
15:10	BREAK								
15:30	Dendritic Cells 1	T Cell Development	Immunity to Viruses 2	Allergy 2	Mucosal Immunology 1	Immunity to Bacteria & Fungi 2	Tumour Immunology 2	Cytokines, Interferons & Inflammation 2	Autoimmunity 2
15:30	2170: Blood Dendritic Cell Immunotherapy as Consolidation Therapy for Acute Myeloid Leukaemia Phillip Fromm	3474: The 'Ins and Outs' of Myc - Molecular regulation of division progression in B and T cells Susanne Heinzl	253: IL-17 promotes pulmonary B-1a cell differentiation via induction of Blimp-1 expression during influenza virus infection Liwei Lu	3115: A20 levels in dendritic cells control Th17-mediated severe neutrophilic asthma Heleen Vroman	2081: Microbial metabolites: A critical element in the fight against obesity and inflammatory diseases Yu Anne Yap	3534: An inhibitor of Wnt protein production improves host control of Listeria monocytogenes Thao Tran	4135: Tumor cell intrinsic TLR4 signaling promotes tumor growth and metastasis Meri Rogava	1219: High Fat Diets Induce Colonic Epithelial Cell Stress and Inflammation that is Reversed by IL-22 Sumaira Hasnain	1243: DNase 1 is protective in murine experimental myeloperoxidase anti neutrophil cytoplasmic antibody associated glomerulonephritis Kim Maree O'Sullivan
15:35	1437: EpCAM+ dermal dendritic cells drive FITC/DBP-induced Th2 differentiation Yuri Cho	1787: Thymic precursors of CD8aa+ intestinal epithelial lymphocytes (IEL) divide into an emigrating and a retained population Roland Ruscher	1490: The subcellular localization of viral antigen after infection shapes the antigenic profile and protective capacity of poxvirus-mediated T cell immunity Ingo Drexler	1639: Repeated exposures to common cosmetic preservative biocide methylisothiazolinone produces sensitivity to touch and pressure in sensitized ND4 female mice Devavani Chatterjea	3354: Lachnospiraceae protect from colitis by regulating colonic group 3 innate lymphoid cells Neil Surana	4194: Enhancement of IL-22/IL-22RA1 signaling to decrease bacterial burden and extrapulmonary dissemination during pneumococcal pneumonia. Giralaina Trevejo-Nunez	509: Exploring the Mechanism for Cancer Associated Fibroblasts Recruitment and the Potential Therapeutic Value in Esophageal Squamous Cell Carcinoma Jiali Qi	2523: Antimicrobial peptide derived from insulin-like growth factor-binding protein 5, AMP-IBP5, activates human mast cells Francois Niyonsaba	2219: CCR6 intrinsic signaling promotes Th17 cell differentiation during autoimmunity. Girdhari Lal
15:40	3932: Abnormalities of antigen presenting cells in type 1 diabetes Martine Boks	3064: Peripheral CD8 T cell receptor revision contributes to the plasticity of the immune repertoire Pradyot Dash	1553: Mast cell activation in severe dengue Chandima Jeewandara	2074: Association between polymorphism of Th1 cell surface gene Tim-3 with asthma and total serum IgE levels in an Iranian population. Maryam Sadri	327: Aberrant accumulation of HLA-DR and reduced mucin production in colonic epithelial cells of HLA-DR4 transgenic mice and ulcerative colitis patients. Atsushi Irie	522: Decreased micro RNAs (miRNAs) and soluble interleukin-7 receptor (sIL-7R) plasma levels in tuberculosis patients in Kumasi, Ghana. Anthony Afum-Adjei Awuah	1414: A novel multiplex approach to discover mutation derived T-cell epitopes for personalized immunotherapy in non-small cell lung cancer. Kumar Saini Sunil	539: Anti-inflammatory properties of the hookworm protein Na-AIP-1 Geraldine Buitrago	2595: Proinsulin specific CD4+ T cells isolated from peripheral blood of people with type 1 diabetes have similar specificities to islet-infiltrating CD4+ T cells. Michelle So
15:45	1185: Role of Wnt-4 signaling in dendritic cells lineage and differentiation Pooja Jain	3152: Tolerance by deletion and regulatory T cell differentiation arise from different TCR repertoires during two waves of thymic selection Stephen Daley	1857: Transcriptional regulation in immune and epithelial cell types during influenza A infection Joel Ma	2577: Interaction of the probiotic strain E. coli O83 with the host immune system and its impact on allergic airway inflammation in mice Christian Zwicker	2461: Th17 cell production of amphiregulin contributes to intestinal homeostasis to microbiota Yingzi Cong	87: Deciphering innate immune response: applications in pre-symptomatic diagnosis and therapy of diseases Goutam Gupta	1971: Low dose Irradiation retunes of Immunosuppressive tumor associated macrophages (TAM), and induces immune mediated rejection of established Tumors of Pancreas Hridayesh Prakash	276: The impact of the pro-inflammatory cytokine TNF-α in prostate cancer development Maurizio Provenzano	2870: Lupus-associated complement classical pathway proteases degrade apoptotic nuclear proteins and dampen cell activation by subclinical endotoxin Jinhua Lu
15:50	4075: Dendritic cells instructed by NK cells at early stages of differentiation process are potent inducers of type-1 CD8 T cells Maria Clavijo-Salomon	3687: How many TCR clonotypes does a body maintain? Grant Lythe	2197: Severe influenza disease is associated with prolonged immune activation. Sook-San Wong	3027: Clethra barbinervis leaf extract inhibits allergic reaction of basophilic leukemia cell line RBL 2H3. Tatsuo Katagiri	4163: Route of immunization governs the development of distinct resident memory CD8 T cells and protective immunity in the intestinal mucosa Brian Sheridan	1066: FOXO3 Transcription Factor modulates IL-10 secretion in BCG-infected macrophages Makram Essafi	2337: Natural Killer cells display increased efficiency towards Vemurafenib resistant melanoma cell lines Alexandra Frazao	1797: Impact of the timing of morphine administration on lipopolysaccharide-mediated lethal endotoxin shock in mice Hidehito Kato	3795: Preclinical characterization of JAK1/JAK2 inhibitors for treatment of type 1 diabetes Nicholas Scott
15:55	2073: Circulating tolerogenic monocytes are a hallmark of active human tuberculosis Françoise Mascart	1339: Competitive signaling between STAT5 and PI3K of the IL-7R modulates T cell development and homeostasis in vivo Guangwei Cui	2705: HCMV vCXCL1 binds several chemokine receptors and preferentially attracts neutrophils over NK cells by interacting with CXCR2 Rachel Yamin	3587: Mechanism of antigen recognition by heme-induced polyreactive IgE antibodies Hadzhieva Maya	445: Maternal antibodies are present at the newborn's respiratory tract in the absence of a structured polymeric immunoglobulin secretory immune system (PISIS) Marco A. Vega-López	1407: The role of regulatory T cells in nontuberculous mycobacterial lung disease Minkyung Jung	3206: Flt3L-based in situ vaccination for the treatment of lymphoma Linda Hammerich	3810: Aspirin-triggered Resolvin D1, ATRvD1, reverts chronic pulmonary fibrosis in a murine model Claudia Benjamin	648: CCDC134 suppresses the development of experimental autoimmune encephalomyelitis in C57BL/6 mice Jing Huang
16:00	4154: Protein kinase C dependent differentiation of dendritic cells Colin Chavel	1526: Characterization of early thymus seeding precursors in a non-irradiated recipient Victoria Michaels Lopez	1054: ECM remodelling by ADAMTS5 regulates influenza-specific immunity John Stambas	1735: Interleukin-1 and fibroblast growth factor-7 gene expression in skin experimental irritant contact dermatitis mouse model treated with aqueous extract of Trachyspermum coticum (L.) Link seeds Shima Rasouli	3681: Oral administration of Lactic acid bacteria prevents inflammation and steatosis in a murine model of non-alcoholic steatohepatitis (NASH) and hepatocellular carcinoma (HCC) Noriko Tsuji	2563: Profile of events leading to innate resistance to mycobacterial infection Lucille Adam	3713: Ovarian cancer ascites-activated neutrophils suppress T cell proliferation in a contact-dependent mechanism Kelly Singel	785: HMGB1 Facilitated Macrophage Reprogramming towards a Proinflammatory M1-like Phenotype in Experimental Autoimmune Myocarditis Development Yueqin Liu	1757: Molecular targets for inhibiting progression of myocarditis to inflammatory cardiomyopathy Thomas Forsthuber
16:30	BREAK								
16:45			Ag Presentation	Cell Trafficking		Imaging Membranes	T-B	Lymphocyte Differentiation	Lymphocyte Signalling
			<i>Chairperson: Dale Godfrey</i>	<i>Chairperson: Jalkanen Sirpa</i>		<i>Chairperson: Sarah Russell</i>	<i>Chairperson: Nicole LaGruta</i>	<i>Chairperson: Juan Carlos Zuniga-Pflucker</i>	<i>Chairperson: Jurgen Wienands</i>
16:45			Jamie Rossjohn	Cell migration requirements for the humoral immune response		Molecular insights into T cell signalling with single molecule imaging	How the helper T cell repertoire responds to infection	Immune function and development of dendritic cell subsets	Cbl-b in immune cell activation

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Room	103	104	105 & 106	109 & 110	111 & 112	203 & 204	Plenary 1	Plenary 2	Plenary 3
08:30			Late Breaker Program Lectures 1				Antigen Presentation	Innate Molecular	Treg
			<i>Chairperson: Michele Grimaldeston</i>				<i>Chairperson: Margarita del Val</i>	<i>Chairperson: Clare Bryant</i>	<i>Chairperson: Shohei Hori</i>
08:30			Warrison Andrade				Antigen presentation and T cell activation by dendritic cells Sebastian Amigorena	Identification of a novel monocyte subset involved in lung fibrosis Shizuo Akira	Transcriptional and epigenetic basis of Treg cell development and function Shimon Sakaguchi
09:00			Saida Dadi				Hidde Ploegh	Feng Shao	Fiona Powrie
09:30			Clare Lloyd				TAPBPR associates with UDP-glucose:glycoprotein glucosyltransferase 1 to provide quality control in the MHC class I pathway Louise Boyle	Inflammasomes in Innate Immunity and Inflammation Thirumala-Devi Kanneganti	Cellular function and monitoring of regulatory T cells in clinical trials Birgit Sawitzki
10:15	BREAK								
10:30	Emerging & Indigenous-Relevant Diseases	Late Breaker Symposium 2	Immunity to Bacteria & Fungi 2	Adoptive Cell Therapy	Th Subsets	Immunity to Viruses 2	Antigen Processing & Presentation	Innate Receptors & Inflammasomes 1	Autoimmunity 4
	<i>Chairperson: Tom Kariuki, Sergio Oliveira</i>	<i>Chairperson: Barbara Rolfe, Anandasabapathy Niroshana</i>	<i>Chairperson: Luigina Romani, Tom Ottenhoff</i>	<i>Chairperson: Phil Darcy, Flavio Salazar-Onfray</i>	<i>Chairperson: Rene van Lier, Akihiko Yoshimura</i>	<i>Chairperson: Tania Watts, Andrea Sant</i>	<i>Chairperson: Ana-Maria Lennon-Dumenil, Karen Hastings</i>	<i>Chairperson: Jeak Ling Ding, Naeha Subramanian</i>	<i>Chairperson: Ranjery Thomas, Christophe Benoist</i>
10:30	2205: Aboriginal Australians with acute rheumatic fever have enhanced Th17 responses to group A streptococcus that can be inhibited in vitro by repurposed clinical drugs Willam Martin	4403: Lymph node stromal cells derive from a distinct embryonic FAP+ progenitor Alice Denton	2157: The role of CD8 T-cells during anti-PD1 treatment of viral infection-induced secondary bacterial pneumonia Alexandra Brown	1744: High-affinity PD-1/CD28 chimeric switch receptors improve the potency of CAR-T cells Alexander Salter	1440: Single-cell RNA-sequencing resolves Th1-Tfh bifurcation Tapio Lönnberg	800: Reversed T-cell receptor docking on Major Histocompatibility Class I complexes within the naive T-cell repertoire limits involvement in the immune response Nicole La Gruta	841: MHC class II antigen-processing chaperone H2-O regulates thymic selection in vivo Scheherazade Sadegh-Nasseri	662: Natural IgG is innate immune responsive Jeak Ling Ding	1652: Gut Microbial Metabolites Regulate Autoimmune T Cell Responses and Protect Against Type 1 Diabetes Eliana Marino
10:40	441: T cell up-regulation of CD127 is associated with reductions in the homeostatic set point of the peripheral T cell pool during malnourishment. Melanie Gubbels Bupp	4310: Host genetic polymorphisms affect p24 Gag epitope presentation and T-cell engagement in HIV-1 infection Tracy Josephs	1691: Intestine lamina propria CD4+T cells promote the bactericidal activity of macrophages via galectin-9 and Tim-3 interaction during Salmonella typhimurium infection Cai Zhang	1843: System Analysis of the Functional Fate of Tumor Infiltrating Lymphocytes Moran Hod Marco	1489: IL-1-induced Bhlhe40 identifies pathogenic TH cells in a model of autoimmune neuroinflammation Brian Edelson	4217: Links between specificity and function in CD4 T cell immunity to influenza virus Andrea Sant	421: MR1 is an endoplasmic reticulum-resident sensor of vitamin B metabolites Hamish McWilliam	2450: Autocrine NLRP3 inflammasome activity is critical to normal adaptive immunity via regulation of IFN-γ in CD4+ T cells Giuseppina Arbore	3647: Detection and characterization of autoreactive memory stem T cells in patients with type 1 diabetes Debora Vignali
10:50	406: IL-33-dependent endothelial activation contributes to apoptosis and renal injury in Orientia tsutsugamushi-infected mice Lynn Soong	4530: Bringing veterinary immunology up to speed using the Babraham pig model of influenza A infection/vaccination. Katie Tungatt	560: Human CD8+ T-cells recognizing peptides from Mycobacterium tuberculosis presented by HLA-E have an unorthodox Th2-like, multifunctional, Mtb-inhibitory phenotype and represent a novel human T-cell subset Tom Hm Ottenhoff	2814: Dendritic cells electroporated with mRNA encoding the Wilms' tumor protein (WT1) have major effects as adjuvant treatment in cancer patients Zwi Berneman	2835: The Stepwise Commitment of T Follicular Helper Cells via ICOS Signaling Pathways Kok-Fai Kong	2389: A systems approach to understanding the role of MAVS in Ebola pathogenesis in murine models of infection. Shelly Robertson	3147: Immunology by numbers: quantitation of antigen presentation completes the quantitative milieu of systems immunology! Anthony Purcell	1285: Sid2 transports extracellular dsRNA into the cytoplasm for innate immune recognition Tan Nguyen	1963: Coenzyme A fueling has immunosuppressive effects on autoreactive T cells and inhibits autoimmune disease development Gabriela Constantin
11:00	1260: Understanding sepsis-induced lymphopenia Hamsa Puthalakath	4698: p75TNFR limits Th1 mediated immune protection against Mycobacterium tuberculosis in the presence of sustained p55TNFR expression Muazzam Jacobs	1501: PKC-δ (delta), a host factor critical for macrophage killing effector functions during Mycobacterium tuberculosis in mice. Suraj Parihar	496: The CARPETS trial: GD2-specific CAR T cell therapy for advanced metastatic melanoma Tessa Gargett	3088: Peroxisome proliferator activated receptor gamma promotes type 2 immune responses. Jonathan Coquet	3545: Deep profiling of the murine myelopoietic system: signaling and cell cycle responses to neurotropic viral infection profiled by flow and mass cytometry (CyTOF) Thomas Ashhurst	1953: Highly efficient cross-priming of CD8+ T cells by splenic CD169 macrophages employing a unique endosomal processing pathway Peter van Endert	1289: Inflammatory response sculpting by neutrophil inflammasomes Kate Schroder	3078: TCR affinity and bond lifetime for antigen combine to determine avoidance of tolerance and induction of demyelinating disease Brian Evavold
11:10	4088: Development of a MVA-based vaccine against Crimean-Congo Haemorrhagic Fever virus Victoria Graham	4433: The Human Vaccines Project Decoding the Human Immune System: Transforming the Future of Global Disease Prevention Wayne Koff	1132: Inhibition of IL-1β Expression by Anthrax Lethal Toxin through HDAC8 and enhancer RNAs Sung Ouk Kim	1214: Expanding the scope of TCR gene therapy for the treatment of AML and other cancers Rachel Perret	2809: The Foxo3/Eomes axis regulates CD4 T cell polarization and susceptibility to autoimmunity Michael Michieletto	733: Type I interferon preferentially induces GITRL on inflammatory APC compared to classical DC to establish early viral control during chronic LCMV infection Tania Watts	2909: In vivo biosensors for pathogen physiological functions reveal distinct effector T cell - APC interaction dynamics depending on intracellular pathogen proliferation Andreas Muller	1600: Differential contribution of the Inflammasome to L. pneumophila clearance independently of cell death Kyle Caution	3760: Down-regulation of autoreactive T and B lymphocytes by selective therapy in humanized murine SCID model of Systemic lupus erythematosus Andrey Tchobanov
11:20	345: Reclaiming the Hijacked Phagosome Rahul Verma	4357: Glycogen synthase kinase 3 inhibition blocks PD-1 expression via increased Tbet expression for enhanced CD8+ cytolytic T-cell responses in anti-viral and cancer immunotherapy Christopher Rudd	2146: Dynamics of phagocytic cells early after mycobacterial lung infection. Brin Ryder	43: ImmTACs: Bi-specific TCR-based reagents for targeted cancer immunotherapy Bent Jakobsen	3021: A dominant function of transcription factor Foxo1 in the development of Th9 and IL-9-producing T cells Amit Awasthi	957: NADPH Oxidase 1 (NOX1) is associated with altered host survival and T cell phenotypes after influenza A virus infection in mice Shiva Gangappa	4062: The modulation of cellular protease activities by HIV protease inhibitors alters the processing, direct and cross-presentation of pathogens Sylvie Le Gall	32: Rhd3d3 controls innate inflammatory diseases via negatively regulating TLR signaling Juan Liu	52: Self-reactive IgE exacerbates interferon responses associated with autoimmunity Miguel Sanjuan
11:30	464: Cutaneous manifestations of an emerging viral infection: Chikungunya fever Arun Inamadar	4393: The Complement C3a Receptor Contributes to Melanoma Tumorigenesis by Regulating Neutrophil and CD4+ T Cell Responses Barbara Rolfe	3369: Cooperation between monocyte-derived dendritic cells and lymphoid cells in the acute response to a bacterial lung pathogen Ian van Driel	396: Optimizing Adoptive Cell Therapy by Genetic Engineering of T cells for Improved Homing to Tumor Site Manja Idorn	3542: Tumor suppressor death-associated protein kinase inhibits Th17 by targeting cytoplasmic HIF-1α for degradation Ming-Zong Lai	2225: Towards identification of immune and genetic correlates of severe influenza disease in Indigenous Australians Ella Bridie Clemens	3731: Generalists and specialists: a new view of how MHC class I molecules determine resistance to infectious diseases Jim Kaufman	2029: Anti-Phosphorylcholine Antibodies Decrease the Interaction of House Dust Mite with Antigen-Presenting Cells in the Lung Through CD36 and Platelet Activating Factor Receptor (PAFR) Preeyam Patel	1173: Developmental exposure to an immunotoxicant induced irreversible autoimmune disease pathology that correlated with changes in gut cytokine production Kathleen Gilbert

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11:40	1589: Use of the Rapid Urine Lipoarabinomannan Antigen-Antibody test for Bovine Tuberculosis Diagnosis Joan-Miquel Balada-Llasat	4708: Homeostatic monophagocyte signatures regulate anti-tumor immunity Niroshana Anandasabapathy	2418: Galectin-3 negatively regulates CR3-mediated neutrophil anti-Candida albicans functions Betty Wu-Hsieh	1460: Vdelta1 T cells expressing natural cytotoxicity receptors for adoptive cell therapy of leukemia Bruno Silva-Santos	1508: Early growth response gene (Egr) 2 and 3 control Th1 differentiation by directly inhibiting T-bet Tizong Miao	3670: Protective Monotherapy Against Lethal Ebola Virus Infection: Structural and Molecular Basis of Potent Neutralization Nancy Sullivan	1982: GILT-mediated antigen processing in thymic epithelial cells diminishes T cell-mediated protection from melanoma through promoting thymic deletion and regulatory T cells Karen Hastings	1873: The NLRP3 specific inhibitor CP-456,773 potently attenuates crystal-induced kidney fibrosis in vivo Isis Ludwig-Portugall	1531: Synovitis in Juvenile Idiopathic Arthritis is mediated by TCR-independent CD31-IL17 axis of inflammation Abbe Vallejo
11:50	2282: Changes in the effector and regulatory functions of CD8+ T cells in visceral leishmaniasis patients Bhawana Singh	4536: Adaptive NK cells with low TIGIT expression are inherently resistant to myeloid-derived suppressor cell inhibitory activities Dhifaf Sarhan	3112: Calcineurin-NFAT signaling control of the innate response Jan Fric	2482: Immunotherapy by using rejuvenated antigen-specific T cells Toshinobu Nishimura	2934: PU.1 expressing Th9 cells promote Colitis-associated cancer (CAC) Katharina Gerlach	2769: Harnessing innate immune responses to inhibit influenza H1N1 infection Anna-Lena Spetz	98: Bias-free imaging of antigen degradation using bioorthogonal antigens Sander van Kasteren	1784: E3 ubiquitin ligase TRIM31 negatively regulates NLRP3 inflammasome activation by promoting proteasomal degradation of NLRP3 Wei Zhao	3885: Human iPSC-derived neural stem cells modulate adaptive and innate immune responses to protein against autoimmune-mediated demyelination Natalie Payne
12:10	BREAK								
12:30			Inflammation	Cell Trafficking		Lymphoid Stromal Cells	Innate Receptors & Inflammasomes	Tregs	Dendritic Cells
			<i>Chairperson: Patricia Bozza</i>	<i>Chairperson: Scott Mueller</i>		<i>Chairperson: Alice Denton</i>	<i>Chairperson: John Silk</i>	<i>Chairperson: Bin Li</i>	<i>Chairperson: Francesca Granucci</i>
12:30			Alberto Mantovani	Michael Sixt		Stromal regulation of immunity in lymphoid tissues and beyond Shannon Turley	The Non-canonical Inflammasome Pathway Vishva Dixit	Regulatory T cell differentiation and function Alexander Rudensky	Caetano Reis e Sousa
13:15	BREAK								
13:30	Complement	Transplantation 1	Musculo Immunology	Immunity to Parasites 1	Neuroimmunology 1	Innate Receptors & Inflammasomes 2	Immunity to Viruses 3	Tumour Immunology 3	Cytokines, Interferons & Inflammation 4
	<i>Chairperson: Claudia Kemper, Arturo Ferreira</i>	<i>Chairperson: Kelli MacDonald</i>		<i>Chairperson: Faith Osier, Dr Bhaskar Saha</i>	<i>Chairperson: Masaaki Murakami</i>	<i>Chairperson: Greta Guarda, You-me Kim</i>	<i>Chairperson: Matteo Iannaccone, Ahmed El-Gohary</i>	<i>Chairperson: Michele Teng</i>	<i>Chairperson: Kendall Smith, Solomatina Lilya</i>
13:30	1095: Unraveling a new virulence mechanism: human IgG accentuates experimental Streptococcus pyogenes infections in mice David Ermert	2744: Understanding the role of Interleukin-6 in human immune system Rintaro Ono	346: The IBD-associated autophagy gene Atg16l1 differentially regulates Treg and Th2 cells to control intestinal inflammation Agnieszka Kabat	580: IL-27-producing CD4+ T cells regulate protective immune responses during malaria infection Katsuyuki Yui	2098: The effects of chronic psychological stress on the immune response to lymphoma Michael Nissen	3257: Familial autoinflammation with neutrophilic dermatosis reveals a novel regulatory mechanism of pyrin activation Paul Baker	1499: Early growth response gene (Egr) 2 and 3 are essential for adaptive immunoresponses of T cells Tizong Miao	3637: Identification of repurposed drugs that increase immune checkpoint blockade efficacy in cancer using network analysis of responding tumours Rachael Zemek	31: IL-17 from discovery to targeting Pierre Miossec
13:40	3818: The ubiquitin ligase MARCH 1 regulates complement C3 deposition on professional antigen presenting cells Jose Villadangos	3849: Analysis of sites, kinetics and mechanisms of liver-graft-mediated depletion of alloreactive CD8 T cells reveals a critical role for liver tissue in liver transplant tolerance Frederic Siero	3085: TH17 Cells Express ST2 and are Controlled by the Alarmin IL-33 in the Small Intestine Anja Hauser	1511: Immunomodulation of Plasmodium pathogenicity by hepatic gamma-delta T cells in experimental cerebral malaria Bruno Silva-Santos	907: Inflammation-dependent upregulation of CCL17 in hippocampal neurons and its influence on neuro-immune interactions Lorenz Fülle	1521: Sensing viral RNAs by the Duplex RNA activated ATPase Dicer-2 in drosophila Jean-Luc Imler	4250: Extreme memory inflation of high affinity HLA-C restricted CMV-specific CD8+ T cells specific for immediate-early antigen Louise Hosie	3097: A novel approach using a bi-specific CD19xCD47 antibody to harness the phagocytic potential of macrophages to effectively suppress malignant B cells. Walter Ferlin	1771: Preclinical efficacy of Periostin short interfering RNA in pulmonary fibrosis Josephine Hinneh
13:50	1985: Collectin-11 recognises stress-induced epithelial cell pattern of L-fucose and triggers the innate immune system Wuding Zhou	3355: Islets encapsulated in tannic acid-containing nanothin coatings suppress pro-inflammatory M1 macrophage responses and restore euglycemia in diabetic mice Hubert Tse	2783: MR1-dependent activation of intrahepatic MAIT cells by bacterially exposed biliary epithelial cells and liver B cells Hannah Jeffery	931: The parasitic worm-derived immunomodulator, ES-62 and its drug-like small molecule analogues are protective in a model of chronic asthma William Harnett	507: IFN-γ signaling at the blood-brain barrier (BBB) endothelial cells has inflammatory function but in parenchyma plays a regulatory role during autoimmunity. Sandip Sonar	959: Human monocytes engage an alternative inflammasome pathway Moritz Gaidt	2768: The m15 locus of murine cytomegalovirus modulates natural killer cell responses and promotes dissemination to the salivary glands Alec Redwood	4235: Somato-Germinomics antigens: A new entity of cancer-stem cell-specific functioning antigens Toshihiko Torigoe	3722: The balance between inflammation and immunity in the tumor microenvironment is determined by IL-1β. Ron Apte
14:00	209: Scabies mites give mite associated bacterial pathogens a helping hand Katja Fischer	352: IL-28 is a critical cytoprotectant in transplantation Andrea Henden	836: Expression of CCR2 on CD4+ T-cells is critical for mediating colonic inflammation and modulating gut microbiota to promote intestinal tumorigenesis Venkatakrishna Jala	2366: Low affinity CD8 T cells participate in the T cell response to Plasmodium infection Tracey Lamb	1785: The neuroimmunology of encephalitis in a mouse model of Dengue virus infection – interaction between draining cervical lymph nodes and the brain. Luan Vu	1918: Roles of innate immune regulator TAPE in RIG-I signaling and antiviral defenses Kuan Ru Chen	3663: NF-κB dependent antiviral immunity in drosophila Jean-Luc Imler	2012: Co-inhibition of adenosine generation and signaling improves anti-tumour immune responses Arabella Young	839: TLR4 deletion reduces browning and attenuates inflammation in adipose tissue in cancer cachexia syndrome Felipe Henriques
14:10	528: Complement C5 regulates TGF-β and Response Gene to Complement -32 expression in Experimental Autoimmune Encephalomyelitis Horea Rus	2191: Revealing a critical cross-talk between beta islet cells and the vasculature in diabetes Claudine Bonder	1058: Aeroallergen-induced IL-33 Predisposes to Respiratory Virus-induced Asthma by Dampening Type I and III Interferon Production Rhiannon Werder	3139: Plasmodium-associated TIM3 expression on γδ T cells results in functionally impaired cells and decreases the risk of clinical malaria Emily Eriksson	2108: Anti-inflammatory effects of GABAA receptor modulators Silke Neumann	1230: NLRP3 inflammasome-mediated, IL-1β-dependent inflammatory responses drive severe, steroid-resistant asthma Richard Kim	820: Differential recognition of influenza A viruses by M158-66 epitope-specific CD8+ T cells is determined by extra-epitopic amino acid residues Carolien van de Sandt	827: Treating Metastatic Disease through Manipulation of Regulatory T cells Ellyn Hughes	1636: mPGE1-dependent PGE2 orchestrates T cell responses during autoimmunity Damian Maseda
14:20	1516: The complement modulator SALSA in placenta Martin Reichhardt	3915: Understand the role of allo-HLA cross-reactive CD8+ T cells in a transplant setting. Louise Rowntree	1375: Notch-STAT5b is central for the development of TCRβ+CD8αα+ small intestinal intraepithelial lymphocytes Chioko Ishifune	427: The NLRP3 inflammasome negatively regulates Type 2 immunity to gastrointestinal helminth infection. Rafid Alhallaf	2779: A natural variant of the TCR signaling molecule Vav1 reduces both effector T cell functions and susceptibility to neuroinflammation Abdelhadi Saudi	2699: The molecular mechanism of Toll-like Receptor 4 signaling in cells. Clare Bryant	1346: Control of lymphoid stromal cell expansion during virus infection Yannick Alexandre	2003: An unusually long 13-mer tumor antigenic peptide "molded" around distinct T cell receptors when presented by HLA-B*0702 and provided the basis for polyclonal T-cell receptor recognition Kok Fei Chan	2141: Genetic ablation of CCR6 aggravates colitis in a spontaneous colitis mouse model Waheedha Basheer
14:30	2077: Susceptibility to leprosy and HBV coinfection is increased by polymorphisms compromising lectin pathway activation and abundance of a complement receptor Angelica Boldt	3992: Characterising the Immune Response to Allogeneic Limbal Stem Cell Transplantation Pervinder Sagoo	2285: Acute colitis is ameliorated through neutralization of pro-inflammatory monocytes by interfering with Toll-Like Receptor (TLR)-2 dimerization. Iraz Shmuel-Galia	1558: The IL-12 response to Toxoplasma gondii in humans involves a pathogen sensing mechanism and myeloid cell subsets distinct from those utilized by mice Dragana Jankovic	3443: miR-155 controls T helper cell 17 development during autoimmune demyelination via Hsp40 genes expression Maria Cichalewska	2409: Role of inflammasomes in the epigenetic regulation of Inducible Nitric Oxide Synthase (iNOS) expression. Karina Bortoluci	2375: Functional Motifs Responsible for Human Metapneumovirus M2-2-mediated Innate Immune Evasion Xiaoyong Bao	2955: Systemic inflammation in tumour microenvironment provoked by cytotoxic lymphocyte synapse dwell time Misty Jenkins	3259: IL-33 released from liver sinusoidal endothelial cells induce neutrophil extracellular traps during liver sterile inflammation Hai Huang

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14:40	438: The epidermal growth factor receptor regulates complement activation in the local environment of epithelial tumors Anas Abu-Humaidan	2181: Combined Blockade of VEGFR-2 and VEGFR-3 Promotes High-risk Corneal Transplant Survival Lu Chen	2535: Probiotics in Crohn disease: selecting strains able to trigger Paneth cells-derived antimicrobial response and downregulate inflammatory responses Jiri Hrdy	3727: System biology approaches to identify Gene-microRNA pathophysiology related networks in Chagas disease Ludmila Ferreira	181: The P2X7 receptor in amyotrophic lateral sclerosis Ronald Sluyer	2122: Delayed inhibition of the NLRP3 inflammasome during pathogenic influenza A virus infection in mice reduces disease severity and prolongs survival Ashley Mansell	3234: Increased severity of influenza in Down Syndrome may be due to a rapid inflammatory response rather than virus-induced pathology. Mark Zanin	3660: Inflammatory monocytes promote inflammation-induced tumor development in a model of cutaneous squamous cell carcinoma Iva Lelios	353: Promotion of expansion and differentiation of hematopoietic stem cells by IL-27 into myeloid progenitors to control infection in emergency myelopoiesis Takayuki Yoshimoto
14:50	627: Low pH impairs complement-dependent cytotoxicity against IgG-coated target cells. Ezequiel Dantas	2935: Frequency and quality of CMV-specific T cells in patients after haploidentical stem cell transplantation Yuri Sykulev	3387: Characterization of the inflammatory response in the upper respiratory tract following influenza infection Miguel Palomino Segura	4166: RIP3 kinase and Caspase-8 regulate Trypanosoma cruzi-induced innate immune response Grace Da Silva	1598: Dynamics of inflammatory immune response in a mouse model of traumatic spinal cord injury, potential therapeutic targets Masoud Hassanpour Golakani	3479: Caspase-4/5 control non-canonical inflammasome activation in human monocytes in response to extracellular LPS Alessandra Mortellaro	3844: A potent clinical stage Smac mimetic antagonizes cellular inhibitors of apoptosis and promotes hepatitis B virus clearance in vivo Greg Ebert	1382: Role of IL17 producing γδ T cells (Tγδ17) in gall bladder cancer pathogenesis Shubhada Chiplunkar	1239: Bromodomain inhibitors reverse inflammation and disease features in experimental chronic obstructive pulmonary disease Bernadette Jones
15:00	2087: Genetic variations of complement factors in schizophrenia Hovsep Ghazaryan	3807: Sustained mixed chimerism and regulatory t-cell subsets reconstitution in patients with sickle cell disease after allogeneic hematopoietic stem cell transplantation Júlia Teixeira De Azevedo	1057: Monoclonal intestinal IgAs are poly-reactive but recognize a specific amino acid sequence of protein expressed by multiple bacteria. Fumihito Usui	1564: Absence of Bim, a pro-apoptotic member of the BCL-2 family, sensitizes mice to T. cruzi infection. Gustavo Amarante Mendes	4045: Multiple Sclerosis patient lymphocytes' crosstalk with microglial cells directs remyelination Mohamed El Behi	3780: RIPK3 promotes cell death and NLRP3 inflammasome activation in the absence of MLKL James Vince	1602: High rates of cross-reactivity among apparently unrelated specificities shape antigen-specific T cell receptor repertoires Paul Thomas	4758: Targeting Cereblon for Anti-Tumor Immunity Rebecca Hesterberg	1520: Transcription factor Fli-1 is a dominant regulator in modulating expression of chemokine CXCL2 Xian 'John' Zhang
15:10	BREAK								
15:30	Antigen Processing & Presentation	Adoptive Cell Therapy	Immunity to Viruses 3	Allergy 3	Mucosal Immunology 2	Vaccines 1	Tumour Immunology 3	Cytokines, Interferons & Inflammation 3	Autoimmunity 3
15:30	1278: Drugs/Drug analogues modulate MAIT cell function in an MRI-dependent manner Sidonia Eckle	2808: Structure guided DMF5 TCR mutations can increase antigen specificity and alter off target cross reactivity Kendra Foley	178: Therapeutic use of fingolimod (FTY720) to abrogate CD4+ T cell-mediated joint pathology during arthritogenic alphavirus infections Teck Hui Teo	607: Expression of IL-33, IL-25 and TSLP in the airways of human asthmatics in vivo and its relationship to airways inflammation and lung function Yan Li	1225: Unravelling a Novel Mechanism by which Cytokines Induce ER Stress to Halt Viral Protein Synthesis in Mucosal Epithelial Cells Sumaira Hasnain	3459: Immunogenicity and memory B cell response following alternative pneumococcal vaccination strategies in Vietnam Paul Licciardi	4184: Targeting the proangiogenic and immunosuppressive tumour microenvironment in primary and metastatic breast cancer Roberta Mazzieri	1968: The effects of sodium benzoate on the innate immune response upon bacterial stimulation. Andre Ribeiro	1541: Expansions of salivary gland CD4+ T cells from Sjögren's syndrome patients: Single-cell repertoire analysis and correlation with clinical measures of disease A. Darise Farris
15:35	466: CD8 T-cells of Listeria monocytogenes-infected mice recognize both linear and spliced proteasome products Anouk Platteel	3714: Adoptive therapy using Natural Killer cells for Acute Myeloid Leukemia Reshmi Parameswaran	1527: Intranasal live-attenuated vaccine primes influenza-specific B cells in local lymph nodes that are rapidly recalled with parental inactivated subunit vaccine boost Sinthujan Jegaskanda	1883: Identification of DAMPs molecules in mother's milk of a cohort study on atopic dermatitis in breastfed infants: Mouse model study and correlation with gut ILCs. Masamoto Kanno	3750: Investigations on intelectin-1 during chemically induced colitis using a knockout mouse model Bo Lonnerdal	3846: The Ag85B protein of the BCG vaccine facilitates macrophage uptake but is dispensable for protection against aerosol Mycobacterium tuberculosis infection Kelly Prendergast	774: In vivo Suppression of a Tumor Growing through Activated CD8+ CTLs Primed by Administration of α-galactosylceramide Hideki Kogo	2850: Expression and Function of a Novel Membrane-Spanning Protein, MS4A8B, in the Human Airways Li Eon Kuek	2309: Role of T cells in Paraneoplastic Cerebellar Degeneration Lidia Yshii
15:40	635: Counting T cells and peptides: A quantitative view of immunogenicity and antigen presentation during virus infection David Tsharke	1186: Engineering Adoptive T cell Therapy for Application in Ovarian Cancer Kristin Anderson	1702: HBV suppresses the expression of MICA on hepatoma cells through down-regulation of transcription factors GATA2 and GATA3 to escape from NK cell surveillance Cai Zhang	2198: Diminished allergic airways disease in ovalbumin sensitised BALB/c offspring following maternal therapeutic immunostimulant (OM85) treatment during gestation Kyle Mincham	2323: Biological significance of intestinal M cells in Th17 response to mucosal infection Yutaka Nakamura	4015: A unique class of organic-inorganic hybrid polymers with adjuvant properties: an emerging platform for vaccines and immunotherapies. Ilona Kubajewska	1512: Combination therapy of IL-21 and radiation suppressed primary and metastatic tumors M-Hua Tao	134: The SNARE Sec22b regulates nitric oxide and cytokine secretion Guillermo Arango Duque	2689: Secreted autoantibody V-region repertoires sequenced by mass spectrometry express shared clonotypes in Sjögren's syndrome and systemic lupus erythematosus Jing Jing Wang
15:45	3764: The ER-resident protease ERAAP generates CD4+ T cell epitopes Soo Jung Yang	414: New genes for enhancing T cell function in adoptive cell therapy of cancer Gideon Gross	1919: Angiopoietin-like 4 Increases Pulmonary Tissue Leakiness and Damage during Influenza Pneumonia Liang Li	2658: Identification of altered peptide ligands of the immunodominant peptide of the major mugwort pollen allergen Art v 1 Candia Martín Rodrigo	3517: The effect of bovine milk with high- and low-IgA abundance on suppressing infection of the mouse intestinal tract by Citrobacter rodentium. Alison Hodgkinson	3669: Skin vaccination with live virus vectored microneedle arrays induce long-lived protective mucosal immunity Marija Zaric	2047: An immune-related signature for identification of platinum-resistant ovarian cancer Agata Mlynska	702: Allylpyrocatechol mitigates collagen induced arthritis via modulation of the MAPKinase, Nrf2-ARE, STAT pathways Soumita De	3089: Selective alteration of autoreactive B and T cells by chimaeric molecules in a humanized murine model of Autoimmune Diabetes Iliyan Manoylov
15:50	1337: Peptides dependent degradation of Major Histocompatibility Complex II via ubiquitination Haruo Kozono	471: Human monocyte-derived suppressor cells control graft-versus-host disease and preserve graft-versus-leukemia effect in clinically relevant conditions Nona Janikashvili	2265: Phenotypic analysis of natural killer cells in acute dengue infection Gathsaurie Malavige	3144: Molecular and immunological characterisation of different seafood preparations for skin testing Thimo Ruethers	424: Repeated psychological stress-induced exacerbation in a murine model of chronic ulcerative colitis is associated with loss of microbial diversity in mucosa-associated commensal bacteria Sohei Arase	404: Optimisation of anti-tumoral vaccines inducing CD8+ T cell responses: role of CD4+ T cells (helper vs. regulatory CD4+ FoxP3+ T Cells) Chahrazed Maherzi - Mechalik	2369: Role of Prostate apoptosis response-4 gene in Chronic Lymphocytic Leukemia Mary Kathryn Mckenna	2050: Interleukin-8 receptor 2 (CXCR2) gene variability in patients with chronic periodontitis alone or in combination with type 2 diabetes mellitus in the Czech population Lydie Izakovicova Holla	3813: Identification and characterisation of human CD1a-autoreactive T cells using CD1-lipid tetramers Catriona Nguyen-Robertson
15:55	3068: Stability, conformation and peptide binding of HLA-B*27:05 are all influenced by tapasin Kajsa Maria Paulsson	743: Targeting adenosine mediated immunosuppression enhances chimeric antigen receptor T cell function Paul Beavis	2859: Checkpoint Regulator VISTA plays a role in Suppression of B-Cell Responsiveness by Monocytic Myeloid Derived Suppressor Cells from LP-BM5 retrovirus-infected Mice William Green	3920: Novel Transcriptomic and Immunoproteomic Approaches in Identifying Cross-reactive Allergens between Crustacean and Molluscs Andreas Lopata	1163: Increased γδ T cells and decreased NKT, Th and B1 cells in conjunctiva in elderly: lymphocyte subsets in peripheral blood and conjunctival IELs Jose Carlos Zarzuela Velasco	666: Gingival vaccination for the elderly population Marni Cueno	3229: Mast cell-associated macrophage recruitment promotes gastric tumour growth Moritz Eissmann	4139: In Vivo and Ex Vivo Animals Models Reveal Endothelial Specific Dysfunction And Pulmonary Hypertension Mediated by A Likely Damage Associated Molecular Pattern (DAMP) Oxidized Cardiolipin. Justin Buland	994: GITR blockade ameliorates murine collagen-induced arthritis by regulating follicular helper T cells Shengjun Wang
16:00	3744: Antigen processing in the ER is monitored by unusually conserved CD8+ T cell antigen receptors specific for non-classical Qa-1 MHC molecules Nilabh Shastri	1187: Expression of a CD200-targeted chimeric costimulatory receptor enhances T cell effector function and adoptive immunotherapy of disseminated leukemia Shannon Oda	4083: Unexpected universal protection against influenza exerted by M2e-specific, lung-resident memory CD4 T cells Nils Lycke	205: Assessment of the pattern of aeroallergen sensitization among patients suffering from airway allergy Alanood Asiri	185: Simulated microgravity alters intestinal homeostasis and increases colitis susceptibility Qing Ge	1781: Mucosal adjuvants and strategy for overcome multiples vaccine doses Oliver Perez	3739: The impact of secondary iTreg clones in the TCR repertoire of tumor patients. Maria Xydia	2258: The role of soluble forms of IL-6 receptor (sIL-6R) and soluble form of gp130 (sgp130) on the regulation of IL-6 signaling in rheumatoid arthritis. Kazuyuki Yoshizaki	1885: A new age of immune phenotyping - Multiple parameter analysis of single-cell flow cytometry data can distinguish complex ocular diseases using novel machine learning algorithms. Laura Morton
16:30	BREAK								
16:45			Computational Immunology	T Stress (Gender Equality & Career Development)		CTL Killing	Cell Trafficking	Tumour Immunology	T Memory

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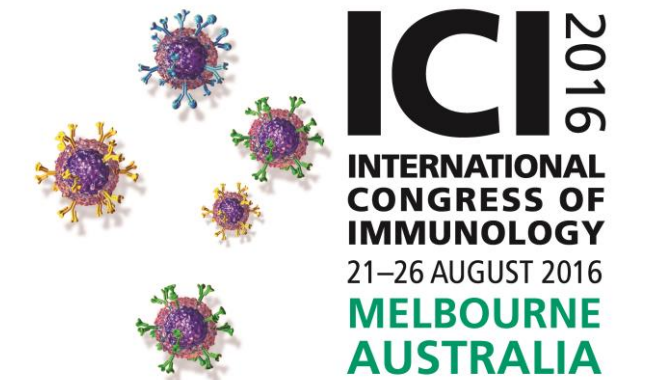
Wednesday 24 August 2016



Room	103	104	105 & 106	109 & 110	111 & 112	203 & 204	Plenary 1	Plenary 2	Plenary 3
			<i>Chairperson: Shalin Naik</i>	<i>Chairperson: Olivera Finn</i>		<i>Chairperson: Misty Jenkins</i>	<i>Chairperson: Barbara Fazekas de St Groth</i>	<i>Chairperson: Prof Derek Hart</i>	<i>Chairperson: William Heath</i>
16:45			Phil Hodgkin	Stressed Out: A Novel Approach to Cancer Immunotherapy Laurie Glimcher		Rapid high-resolution imaging of the immunological synapse: cytotoxic T cells in action Gillian Griffiths	Imaging Immunity: Developing a Spatiotemporal Understanding of Host Defense Ronald Germain	Ira Mellman	Memory CD8 T cells and infections John T. Harty

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Thursday 25 August 2016



Room	103	104	105 & 106	109 & 110	111 & 112	203 & 204	Plenary 1	Plenary 2	Plenary 3
08:30			Late Breaker Program Lectures 2				Allergy	Dendritic Cells	Innate Lymphoid Cells
			<i>Chairperson: Laura MacKay</i>				<i>Chairperson: Michele Grimaldeston</i>	<i>Chairperson: Muriel Moser</i>	<i>Chairperson: Zhigang Tian</i>
08:30			3349: Gut microbiota-induced Immunoglobulin G controls systemic infection by symbiotic bacteria and pathogens Melody Zeng				Why do we have mast cells and IgE? Roles in enhancing host defenses against venoms Stephen Galli	Xuetao Cao	Complementarity and redundancy of innate lymphoid cells Eric Vivier
09:00			1998: Beneficial effect of enhancing apoptotic cell clearance in vivo Kodi Ravichandran				Cezmi Akdis	Ana-Maria Lennon-Duménil	Innate Lymphoid Cells: Id2 as a key player in driving differentiation and homeostatic maintenance Gabrielle Belz
09:30			3762: Hobit and Blimp1 instruct a universal transcriptional program of tissue-residency in lymphocytes Laura Mackay				Peptide immunotherapy in allergic disease: targeting T cells to induce tolerance Mark Larche	Mapping the human dendritic cell lineage Florent Ginhoux	Marc Colonna
10:15	BREAK								
10:30	NKT Cells	Transplantation 2	Immunity to Bacteria & Fungi 3	Late Breaker Symposium 3	Mucosal Immunology 3	Immunodeficiency	Allergy 2	Dendritic Cells 2	Tumour Immunology 4
	<i>Chairperson: Dale Godfrey & Susanna Cardell</i>	<i>Chairperson: Karen Dwyer</i>	<i>Chairperson: John Fraser & Theo Geijtenbeek</i>	<i>Chairperson: Melissa Ruck & Anne Willing</i>	<i>Chairperson: Elizabeth Forbes-Blom</i>	<i>Chairperson: Ridha Barbouche & Vanessa Bryant</i>	<i>Chairperson: Rudolf Valenta & Ruby Pawankar</i>	<i>Chairperson: Christiane Ruedl</i>	<i>Chairperson: Rajiv Khanna</i>
10:30	3427: Direct analysis of Natural Killer T (NKT) cell responses and their interactions with APCs in situ. Darryl Johnson	3262: Hematopoietic stem cells and their progenitors critically require autophagy to promote early engraftment following allogeneic stem cell transplantation Katie Lineburg	1196: Keap1 regulates Mycobacterium avium - induced inflammatory signaling in human macrophages Jane Awuh	4731: Src-Like adapter protein (SLAP) regulates the proliferation of mast cells in vivo. Namit Sharma	1585: MAIT cells reside in the female genital mucosa and are biased towards IL-17 and IL-22 production in response to bacterial stimulation Edwin Leeansyah	2105: Mycobacterial disease and myeloid dendritic cells defects in patients with SPPL2a deficiency Ruben Martinez Barricarte	274: Mechanisms of anaphylaxis in human low-affinity IgG receptor locus knock-in mice Caitlin Gillis	2018: IRF8-dependent DCs Play a Key Role in the Regulation of CD8 T Cell Responses to Epithelial-derived Antigen in the Steady State but not in Inflammation Thorsten Joeris	1288: Haematopoietic Cell Kinase Activity in Myeloid Cells Promotes Colorectal Cancer Progression Ashleigh Poh
10:40	502: Neutrophils license NKT cells to regulate self-reactive B cell responses Mikael Karlsson	2587: The IL-6/IL-17 pathway impairs the re-establishment of immune-equilibrium following autologous stem cell transplantation for multiple myeloma Simone Minnie	2588: A dominant-negative mutation in TNFR1 results in increased susceptibility to pulmonary tuberculosis infection Bernadette Saunders	4466: The RNA-binding protein Mex-3B is required for IL-33 induction in the development of allergic airway inflammation Yusuke Yamazumi	3514: Conditioning of lung dendritic cells by dietary vitamin A and the gastrointestinal microbiota Nico Ghilardi	1940: Heterozygous mutations in IKAROS in patients with progressive loss of B cells and hypogammaglobulinemia. Bertrand Boisson	2080: FGD2 is a novel negative regulator of IgE-dependent mast cell activation Graham Mackay	4051: tRNAs: new regulators of immunity? Rafael Jose Arguello	3170: Oncolytic virus-mediated immunotherapy Marie-Claude Bourgeois-Daigneault
10:50	989: Plasticity in CD1d-lipid antigen recognition by non-canonical NKT cells Catarina Filipa Dos Santos Sa E Almeida	213: Interleukin-35 mitigates development of rejection after murine pancreatic islet transplantation via regulation of Treg/Th17 ratio Yin Zongyi	819: Cathelicidin insufficiency in patients with fatal leptospirosis Mitermayer Reis	4692: Induction of autoimmune disease by deletion of CTLA-4 in mice in adulthood Katrin Klocke	3873: Pathogenic NK T cells attenuate clearance and exacerbate immunopathology in chlamydial infections Charles Armitage	2037: Human TYK2 deficiency: Mycobacterial and viral infections without hyper-IgE syndrome Stephanie Boisson-Dupuis	3933: Production of a hypoallergenic variant of the major peanut allergen Ara h 2 in the baculovirus insect cell system Angelika Tscheppe	3176: Characterization of Sirpa+ dendritic cell paralysis following systemic inflammatory response syndrome Shirin Valikhani	214: CIS is a potent checkpoint in NK cell-mediated tumour immunity Nicholas Huntington
11:00	3412: Characterisation of human CD1 restricted T cells Daniel Pellicci	1469: Calcineurin inhibitor Tacrolimus impairs host immune response against urinary tract infection by affecting TLR4 negative regulators Diba Emal	2476: Structural basis of mycobacterium tuberculosis lipid antigen-CD1b complex recognition by T cell receptor Stephanie Gras	4457: Targeting citrullination with a peptidyl arginine deiminase inhibitor is associated with a shift from Th17-mediated immune responses and abrogates collagen-induced arthritis Joanna Kawalkowska	911: PPAR γ in Dendritic Cells and T cells controls induction of pulmonary allergic inflammation Samuel Nobs	4202: Evaluation of T cell function in Patients and Mice with Dominant Activating Mutations in the Gene Encoding p110 δ Pamela Schwartzberg	2430: Intensity of local skin memory response varying with the type of locally persisting T cell subsets Akihiko Murata	2159: T cell help amplifies innate signals in CD8+ DC for optimal CD8+ T cell priming Marie Greyer	2145: Mechanisms driving co-inhibitory receptor expression on T cells Norio Chihara
11:10	4052: iNKT mediated anti-tumoral response activated by a Th1 biased agonist Raúl Castaño	3223: Recipient bone marrow (BM) macrophages (Macs) are vital for haematopoietic stem cell (HSC) engraftment post autologous transplantation Simranpreet Kaur	1360: Autoantibody Production by Murine B-1a Cells Stimulated with Helicobacter pylori Urease through Toll-Like Receptor 2 Signaling Hikaru Takeshita	4370: MLKL mediates programmed hepatocellular necrosis independent of RIPK3 during inflammation-dependent hepatitis Claudia G	1068: Dendritic cell-intrinsic molecular chaperone grp94/gp96 is critical for maintaining gut tolerance Bei Liu	1088: Life-threatening Enterovirus 71 Encephalitis in Unrelated Children with Autosomal Dominant TLR3 Deficiency Cheng-Lung Ku	547: Regulatory role of an oligopeptide transporter SLC15A4 in the inflammatory responses in mast cells Toshihiko Kobayashi	3238: Involvement of XCR1-expressing dendritic cells through the XCR1-XCL1 chemokine axis in intestinal immune homeostasis Tomokazu Ohta	963: Rescue of exhausted CD8 T cells by PD-1 targeted therapies is CD28-dependent Alice Kamphorst
11:20	713: The activation of iNKT cells induces alloreactive T-cell deletion through the generation of myeloid-derived suppressor cells Kyoko Nakamura	3975: Clinical grade Multipotent Adult Progenitor Cells suppress IL-7 driven stimulation of T cells in vivo. Fiona Carty	2607: Inhibition of TLR signaling by a bacterial protein containing immunoreceptor tyrosine-based inhibitory motifs Dapeng Yan	4306: TLR9 polymorphisms induce autoimmunity in a murine model of SLE Melissa Ruck	1458: CD4+ T cell deficiency results in blunted inflammatory response during dysbiosis-triggered colitis Urmi Roy	1010: NFKB deficiency: new genes and new insights into COVID pathogenesis Vanessa Bryant	1594: Posttranscriptional control of antigen-specific T cell proliferation and allergen induced airway inflammation by RNA binding protein HuR Jason Ellis	2232: Molecular basis for the efficient processing of antigens taken up by Clec9A, a DAMP receptor on dendritic cells Mireille Lahoud	2088: NFKB1 Suppresses Intestinal-Type Gastric Cancer Development by Preventing Chronic Inflammation in the Stomach Lorraine O'Reilly
11:30	939: Ly9 (CD229) cell surface receptor controls NKT2 cell development Pablo Engel	4097: Association of TLR2,TLR4 and CD14 single nucleotide polymorphism with biopsy proven acute rejection post kidney transplantation Aliakbar Amirzargar	3446: Allergic asthma increases the susceptibility of mice to Brucella melitensis after intranasal infection Georges Potemberg	4481: Neuroprotection affected by immunomodulatory treatment with glatiramer acetate Rina Aharoni	2292: Functional role of intestinal dendritic cell subsets in the mucosal IgA response to rotavirus Julia Hütter	1434: Cxcr4 desensitization is required for efficient humoral immune response and plasma cell trafficking Jessica Natt	2138: Tolerogenic Immune Modifying Nanoparticles are a Highly Efficacious Antigen-Specific Therapy for the Treatment of Th2-Mediated Allergic Airway Inflammation Daniel Getts	3987: Transcription factor Ikaros regulates lineage choice in dendritic cell-committed progenitors Ben Roediger	3006: The role of ACKR4 in melanoma biology and anti-tumour immunity Jade Foeng
11:40	3518: Wnt proteins drive the IL-12/IFN- γ -axis in response to the Natural Killer T cell antigen, α -galactosylceramide Jessica Kling	2709: Monocyte derived dendritic cells promote Th polarization, while conventional dendritic cells promote Th proliferation Kevin Chow	4029: FIBCD1 binds to Aspergillus fumigatus chitin and regulate epithelial inflammation in response to Aspergillus fumigatus cell wall components. Uffe Holmskov	4525: Augmented activation and IL-17 production of mucosal associated invariant T cells in multiple sclerosis Anne Willing	2617: Apoptotic epithelial cells control the abundance of regulatory T cells at barrier surfaces. Chigusa Nakahashi-Oda	3646: Characterization of the adaptive immune response defects in an in vivo model of the WHIM syndrome Giuliana Roselli	3864: Gut microbiota, bacterial metabolites and metabolite-sensing GPCRs determine mucosal tolerance and protection against food allergy Laurence Macia	1924: BCG Skin Infection Triggers IL-1R-MyD88-Dependent Migration of EpCAMlow CD11bhigh Skin Dendritic cells to Draining Lymph Node During CD4+ T-cell Priming Antonio Rothfuchs	3959: Intravital 2-photon imaging of the anti-leukemia immunity in living bone marrow Hiroki Mizuno

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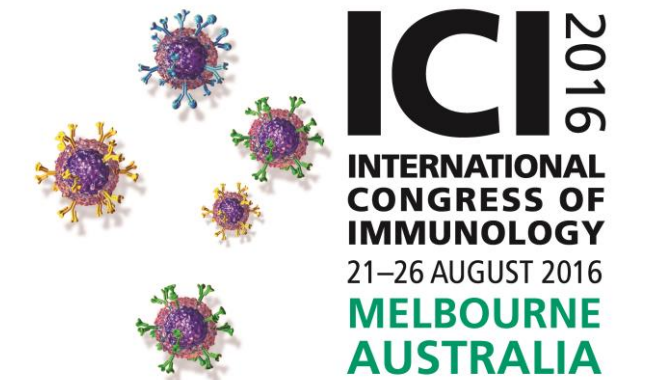
Thursday 25 August 2016



Room	103	104	105 & 106	109 & 110	111 & 112	203 & 204	Plenary 1	Plenary 2	Plenary 3
11:50	2377: Activity of sulfatide-reactive type II NKT cells from mouse lung Lise Pasquet	3704: Correlation of circulating levels of soluble MICA with development of acute rejection following renal transplantation Ajay Baranwal	4001: Characterization of the Interaction between M-ficolin and the Fungal Polysaccharides Chitin and β -1,3-glucan Grith Lykke Sorensen	4335: Gut Microbiota Drives Autoimmune Arthritis by Unleashing the Tfh Response Hsin-Jung Joyce Wu	3537: Inhibition of Dectin-1 signaling ameliorates colitis by inducing Lactobacillus-mediated regulatory T cell expansion in the intestine Ce Tang	1142: An autosomal recessive TCF3 mutation underlies association of agammaglobulinemia and B-cell acute lymphoblastic leukemia. Mohamed Ridha Barbouche	860: Contact hypersensitivity is ameliorated by 17,18-epoxy-eicosatetraenoic acid, a metabolite from eicosapentaenoic acid, in the skin Takahiro Nagatake	3777: Immunoregulation by O-GlcNAc glycosylation in dendritic cells Nishma Gupta	4017: Engaging deactivated tumor associated macrophages against cancer cells through TLR-3 ligand stimulation via IFN- α signaling Aurobind Vidyarthi
12:10	BREAK								
12:30			Antigen Presentation	MAIT Cells		Lymphocyte Development	Mucosal Immunology	Allergy	Th
			<i>Chairperson: Scheherazade Sadegh-Nasseri</i>	<i>Chairperson: Daniela Finke</i>		<i>Chairperson: Lyn Corcoran</i>	<i>Chairperson: Kenya Honda</i>	<i>Chairperson: Robyn O'Hehir</i>	<i>Chairperson: Cecile King</i>
12:30			The role of Endoplasmic Reticulum Aminopeptidase 1 in NK cell function Doriana Fruci	James McCluskey		Dissecting the transcriptional regulatory network for early T-cell commitment Ellen Rothenberg	Reinhold Förster	Dendritic cells as central integration of the innate/adaptive immune axis in allergy Bart Lambrecht	Human Th subsets in immunity and autoimmunity Federica Sallusto
13:15	BREAK								
13:30	Veterinary & Comparative Immunology	Tolerance	Vaccines 3	Immunity to Viruses 4	Dendritic Cells 3	B Cells 3	Tumour Immunology 5	Macrophages 1	Allergy 3
	<i>Chairperson: Jim Kaufman, Mika Ramet, Jean-luc Imler</i>	<i>Chairperson: Agnès Lehuen, Maria Rosa Bono</i>	<i>Chairperson: Michael Good, Hubertus Hochrein</i>	<i>Chairperson: Merylin Hibma</i>	<i>Chairperson: Irina Caminschi</i>	<i>Chairperson: Veronique Angeli, Rita Carsetti</i>	<i>Chairperson: Alex McLellan</i>	<i>Chairperson: Muz Haniffa, Kate Schroder</i>	<i>Chairperson: Masato Kubo</i>
13:30	3516: Evolution of Innate Versus Adaptive Lymphoid Cells in Vertebrates Masayuki Hirano	1049: Somatic Hypermutation Serves Two independent Functions: Antibody Maturation Away From Binding Self and Towards Binding Foreign Deborah Burnett	3682: "Oral Vaccines for Transmissible Prion Diseases for Multiple Animal Species at Risk of Infection" Fernando Goni	1597: Deposition, protection and re-call of influenza virus specific memory CD8 T cells in the upper respiratory tract Linda Wakim	2052: XCR1+ dendritic cells promote memory CD8+ T cell recall upon secondary infections. Marc Dalod	349: Where and how memory cells are reactivated in the secondary antibody response in the lymph node Imogen Moran	325: Suppression of metastases using a new lymphocyte checkpoint target for cancer immunotherapy Mark Smyth	986: Capacity of yolk sac macrophages, fetal liver and adult monocytes to colonize an empty niche and develop into functional tissue resident macrophages Martin Guilliams	1461: A helminth-derived suppressor of IL-33 in allergic asthma Henry Mcorley
13:40	1786: New insights from amphioxus: on the origins of the adaptive immune system of jawed vertebrates Shengfeng Huang	1188: Antigen-specific suppression by TCR and scFv CAR-engineered CD4 Tregs and cytotoxic CD8's David Scott	2167: A dual Chikungunya and smallpox vaccine derived from a novel, replication-incompetent poxvirus vaccine system provides mice with complete protection from Chikungunya virus and mousepox infection John Hayball	1590: Immune Responses during Acute Allergic Asthma Promotes Host Protection against Influenza A Virus Amali Samarasinghe	491: RUNX2 mediates plasmacytoid dendritic cell egress from the bone marrow and controls viral immunity Michael Chopin	587: ICOSL-controlled regulation of germinal center formation and relative affinity-based plasma cell fate determination Dan Liu	706: The emerging role of tissue-resident memory (TRM) CD8 T cells in antitumor immunity and malignant disease Fathia Mami-Chouaib	992: Histone Deacetylase 7 (HDAC7) regulates a sub-set of TLR-mediated pro-inflammatory responses in macrophages by both deacetylase-dependent and -independent mechanisms Kaustav Das Gupta	2647: Role of interleukin-4 receptor alpha+ CD4+ T cells in chronic airway hyperresponsiveness Frank Kirstein
13:50	2799: Divergence of bacteria sensing (TLR 4, 5) and virus sensing (TLR 3, 7) within the reptilian lineage Manisha Priyam	3014: Consequences of CD79B and MYD88 mutations for B cell tolerance and lymphomagenesis James Wang	1308: Developing a non-human primate model for skin vaccination Kerrie Sandgren	3135: Initial Interactions of Herpes Simplex Virus with human skin dendritic cells. Anthony Cunningham	589: Dendritic cell expressed ADAM10: a novel target for reducing Th2 immune responses. Sheela Damle	2496: NFkB1 prevents the development of multi-organ autoimmunity by limiting IL-6 production in follicular B cells. Raffi Gugasyan	1607: Dual-specific T cells and oncolytic virus eradicate large solid tumors Clare Slaney	1562: Identification and characterization of CD300H, a new member of the Human CD300 immunoreceptor family Kouta Niizuma	1223: B1 cells produce large amounts of IgE post-helminth infection, and this IgE is protective against allergic disease. Rebecca Martin
14:00	3521: Plasticity of MHC-driven responses in the California sea lion: An eco-immunological approach Jorge E. Montano-Frias	3490: High-affinity disease-ameliorating autoantibodies in APECED patients reveal their origins Kai Kisand	1324: Therapeutic vaccination enhances 4-1BB-mediated anti-tumor CD8 T cell immunity against poorly immunogenic haematological cancers Stephen Mattarollo	3761: An epithelial integrin regulates the amplitude of protective lung interferon responses through a TGF β -dependent mechanism Stacey Schultz-Cherry	2230: Targeting CLEC9A can deliver antigen to human CD141+ DC for recognition by both CD4+ and CD8+ T cells Kirsteen Tullett	3148: A glucocorticoid alternative that interferes with B cell activation Sarah Jones	3699: SLAMF7 is a novel target for immunotherapy of multiple myeloma Paul Neeson	1072: Epigenetic and transcriptional regulation of macrophage polarization and endotoxin tolerance by Akt kinases and insulin signalling Christos Tsatsanis	2720: Serial mast cell tryptase measurements: sensitivity and specificity for a diagnosis of anaphylaxis in patients with shock and/or hypoxemia. Abbie Creamer
14:10	529: VH and VL from polyspecific IgM and monospecific IgG antibodies contribute differentially to antigen recognition and virus neutralization function. Azad Kaushik	1000: Actively acquired self-tolerance by clonal redemption of autoantibodies during human immunization Joanne Reed	2684: Design of intracellular cleavable immune-conjugates Katrin Kramer	849: Human mucosal-associated invariant T cells contribute to anti-viral influenza immunity via IL-18-dependent activation Liyen Loh	1352: Enhanced activation of human CD141+ DC and CD1c+ DC in vivo with combined TLR3/TLR8 ligation Kristen Radford	4027: IkbNS is an essential mediator of Toll-like receptor-induced B cell responses Maki Touma	489: Jak-STAT3 pathway triggers DICER1 for proteasomal degradation by ubiquitin ligase complex of CUL4ADCAF1 to promote colorectal cancer cells growth Jian Ma	925: Notch Signaling Plays a Role in Regulating IL-10 Production in Immune Complex-Stimulated Macrophages Tanapat Palaga	517: Deficit of Treg cells and Vitamin D are predisposing factors for the establishment of cow's milk protein allergy in infants Rafael Correa-Rocha
14:20	3748: Th1 paradigm: Redirect the cell-mediated immune response in a typical Th2 disease such as Leishmaniasis Silvia Scarpona	1518: Myelin Oligodendrocyte Glycoprotein induces incomplete tolerance of CD4 T cells specific for both a myelin and a neuronal self antigen Pierre-Paul Axisa	3997: Influenza vaccination with HA mini stem for broad antibody immunity Sophie Valkenburg	1881: Knockdown of p65 subunit of NF-kB transcription factor downregulates the induction of pro-inflammatory cytokines in human lung epithelial cells infected with influenza H9N2 virus Alireza Haghighparast	3362: RelB-deficient dendritic cells have increased retinoic acid dehydrogenase activity and promote regulatory T cell differentiation in mice and humans Hanno Nel	2247: The antibody gene repertoire of the mouse lacks diversity and is highly skewed towards core VDJ sequences Andrew Collins	2215: Therapeutic DNA vaccination against colorectal cancer by targeting the MYB oncoprotein Robert Ramsay	2383: miR-155 promotes inflammatory macrophage phenotype signature Mireia Guerau-De-Arellano	1664: Airway allergy can be controlled through dendritic cell subset manipulation in a mouse model Hidemi Takahashi
14:30	3887: The role of T cells in highly pathogenic avian influenza in the chicken Daniel Layton	2221: PD-1 upholds the unresponsive phenotype of self-reactive TCR- $\alpha\beta$ CD4- CD8- (double negative) T cells Noe Rodriguez-Rodriguez	1947: Peptide-lipid nanovaccine for tumor imaging and immunotherapy Zhihong Zhang	2392: Human TRIM5 is a functional restriction factor for tick-borne flaviviruses. Shelly Robertson	1428: Developmental heterogeneity of splenic CD11b+ dendritic cells Barbara Schraml	3037: The role of antigen and persistent germinal centers in recall memory responses Claude-Agnès Reynaud	1036: Mismatch in epitope specificities between IFN γ inflamed and non-inflamed conditions may lead to escape from T lymphocyte killing in melanoma. Katherine Woods	275: Forced Notch Activation in Macrophages Represses Tumor Growth through Upregulating miR-125a that abrogates TAM Phenotypes Hong-Yan Qin	2766: Characterizing immune responses in severe T-cell mediated adverse drug reactions. Alec Redwood
14:40	4071: Th2/Th17 cytokines are involved in the early stage of immune responses during PEDV infection Guanliang Liu	2524: T cells specific for posttranslational modifications escape negative selection in thymus Johan Backlund	1197: Is the sustained release of vaccine antigens beneficial or detrimental to the development of immunity? Sarah Hook	3432: Vaccine-elicited preferential induction of polyfunctional Th cells is associated with protection against acute retroviral infection Chihiro Motozono	2078: Defining CD16+ Dendritic Cells as a Unique Myeloid Antigen Presenting Cell. Phillip Fromm	3402: IL-10 secreting innate-like B cells migrate between the peritoneum and the inflamed skin Gudrun Debes	2545: Radiation dose and fractionation can influence the immune modulatory effects of radiotherapy and anti-cancer activity of checkpoint blockade therapy Nicole Haynes	821: The role of GILZ in macrophage reprogramming Juliana Priscila Vago Da Silva	3869: Regional variation in allergic sensitivity to subtropical and temperate grass pollen allergens; outcomes of the multicentre cross-sectional Grass Pollen Allergy Survey (GPAS) Janet Davies
14:50	3287: Regulation role of metalloprotease ADAM17 on porcine reproductive and respiratory syndrome virus infection Yue Wang	3010: A highly conserved NF-kB-responsive enhancer is critical for thymic expression of Aire in mice Pärt Peterson	1832: Mycobacterial Lipoprotein Z exerts protection against Mycobacterium tuberculosis infection mediated by increased innate and adaptive immunity Yingying Chen	3897: Orchestration of nucleic acid sensing pathways in HSV-specific CD8+ T cell priming Annabell Bachem	932: Tolerogenic dendritic cells generated by activin-A-induced regulatory T cells protect against allergic asthma through the instruction of Foxp3+ regulatory T cells. Maria Semitekolou	4174: Spp12a mediated processing of CD74 is required for B cell and DC development and function Dan Beisner	3196: T Cell Mediated Immune Surveillance is Essential for the Control of Spontaneous B Cell Lymphomas Dimitra Zotos	1101: Lysophosphatidylcholine acyltransferase (LPCAT) 2 regulates macrophage inflammatory responses through acylation of key metabolic proteins. Simon Jackson	1368: Mucosal route of immunotherapy with transgenic rice seeds expressing hypoallergenic whole T cell epitopes of Cry1 and Cry2 - Investigation in Murine Model of Cedar Pollinosis- Hideyuki Kawachi

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Melbourne Convention and Exhibition Centre

Thursday 25 August 2016



Room	103	104	105 & 106	109 & 110	111 & 112	203 & 204	Plenary 1	Plenary 2	Plenary 3
15:00	3578: Long lasting Immunity against Pasteurella multocida in mice and cattle vaccinated with inactivated Pasteurella multocida and herbal adjuvant 'DIP-HIP' Brij Bhushan	3601: Immunological tolerance mechanisms controlling human autoreactive CD8+ T cells in healthy and autoimmune conditions Vincenzo Barnaba	3457: A two-component synthetic peptide vaccine can protect against deep tissue infection with CovR/S mutant and wild type group A streptococci Michael Good	2719: Memory B cells recognising avian H5 and H7 influenza are widely prevalent – potential role as vaccine targets or as an immunotherapy Adam Wheatley	1555: Hepatitis B Virus affects dendritic cell activation and their cross-talk with natural killer cells. Claudia De Pasquale	2355: The ion channel TRPM7 regulates actin organization and antigen internalization in B cells Mihunah Krishnamoorthy	4074: Invariant NKT lymphocytes increase the development of intestinal tumors by promoting Treg cells and suppressing TH1 immunity Susanna Cardell	1996: Increased glycolytic capacity in CD16+ monocyte subset-derived M2 macrophages is linked to foam cell formation Man Lee	1279: Thermal processing enhances IgE but not T cell reactivity of shellfish allergens Jodie Abramovitch
15:10	BREAK								
15:30	Transplantation		B Cells 1	Innate Receptors and Inflammasomes 1	Macrophages	Immunity to Parasites 1	Tumour Immunology 4	Cytokines, Interferons & Inflammation 4	Autoimmunity 4
15:30	3808: Treg reconstitution before allogeneic bone marrow transplantation reduces T cell proliferation, activation status, and inflammatory cytokine secretion Aster Pijning		3547: Tfh-derived dopamine: motivation, learning and reward in the germinal centre Ilenia Papa	3792: Regulation of Inhibitor of Apoptosis (IAP) proteins by Toll-like Receptors and type I Interferons Kate Lawlor	2479: High salt modulates cellular metabolic processes essential for macrophage activation Katrina Binger	864: Liver-resident memory T cells can be harnessed for sterile protection against malaria Daniel Fernandez-Ruiz	4203: CD8+ T cells that co-express RORγt and T-bet are functionally impaired and expand in patients with distal bile duct cancer Kjetil Tasken	2255: A therapeutic neutralizing anti-G-CSFR antibody blocks G-CSF-induced neutrophilia but does not induce neutropenia in non-human primates Karen Scalzo	1910: Micro-fluidics is the powerful tool for revealing a mechanism of autoreactive B cell-inducing inflammation in vasculitis. Ayumi Yoshizaki
15:35	1301: Graft-versus-host disease precipitates cytomegalovirus reactivation after allogeneic bone marrow transplantation: lessons from the first preclinical model. Paulo Martins		736: Interferon-g receptor and STAT1 signaling in B cells are central to spontaneous germinal center formation and autoimmunity Ziaur Rahman	497: Sterile signals generate weaker and delayed macrophage NLRP3 inflammasome responses relative to microbial signals Rebecca Coll	3956: CX3CR1 reduces choline-deficient, ethionine-supplemented diet-induced liver injury and liver progenitor cell proliferation. Caryn Elsegood	3146: Identification of malaria vaccine targets using the online tool PlasmoSIP (Plasmodium Structure, Immunology and Polymorphisms) Jack Richards	982: IL-15 activated NK cells overcome DC maturation defects induced by head and neck cancer microenvironment. Deepak Upreti	3153: Loss of autophagy enhances macrophage migration inhibitory factor (MIF) release by macrophages James Harris	2353: Identifying autoimmune beta-cell epitopes in type 1 diabetes by HLA-peptidomics Sergio Gonzalez Duque
15:40	4084: Identifying Cellular Subsets Diagnostic for Severity and Organ Specificity Chronic GVHD Arwen Stikvoort		1328: LRRK1 plays an essential role in B-cell responses by regulating BCR-dependent NF-κB signaling. Keiko Morimoto	3771: Nucleic acid recognition via MAVS is critical for robust adaptive immunity Claudia Loetsch	2407: Pdc4 deficiency confers resistance to the assembly of stress granules in macrophages during high fat-diet challenge Qun Wang	1556: Surfactant protein A promotes lung repair by enhancement of IL-4-mediated proliferation and activation of alveolar macrophages Carlos Minutti	1710: An immune monitoring model that allows association between anti tumor immune surveillance and clinical response elicited by neoadjuvant chemotherapy in patients with breast cancer David Bernal-Estevéz	186: Cellular and molecular mechanism of resveratrol-mediated amelioration of experimental colitis and associated colon cancer Udai Singh	2698: Anti-inflammatory effects of vitamin D are reduced in T-cells from the inflamed joints of rheumatoid arthritis patients Louisa Jeffery
15:45	4098: Ex Vivo Immunological Analysis Following Decidual Stromal Cell Therapy in Patients with Acute Graft-versus-Host Disease Tom Erkers		1997: Characterising CARD11 mutations in B cell malignancies Keisuke Horikawa	348: Caspase-11 modulates inflammation and attenuates Toxoplasma gondii pathogenesis Irving Allen	2939: miR-127 modulates macrophage polarization in renal fibrosis María Laura García Bermejo	289: The contribution of IL-17RB in protective immunity to Trichinella spiralis infection Pornpimon Angkasekwina	2056: Evaluating prediction strategies for identification of T cell responsive mutation-derived neo-epitopes in cancer Sine Reker Hadrup	918: Two hit induced acute lung injury impairs cognitive function in mice Amarjit Naura	3100: Convergent antibody repertoire in Acquired Thrombotic Thrombocytopenic Purpura patients Magdalena Skowronska
15:50	4173: Placenta-derived Decidual Stromal Cells Alter IL-2R Expression and Signaling in Alloantigen-Activated T Cells Helen Kaïpe		2612: A role for CD40 signalling in the formation of unswitched CD73+ memory B cell subsets Lucas D'Souza	1233: Potential role of Toll-like receptors in calcific aortic valve disease: elevation of osteogenic activity of valvular cells by DAMPs Xianzhong Meng	3034: Plasmin induces macrophage reprogramming and contributes to features of the resolution of inflammation Michelle Amantéa Sugimoto	970: Th1, Th2, Th17 and regulatory T cells assessment in patients with cutaneous leishmaniasis before clinical cure Maria Carolina Castro	2537: Features of Cancer Associated Fibroblasts that Resemble Circulating Fibrocytes which Constitute a Unique Subset of MDSCs Gurcan Gunaydin	2342: Hairy and enhancer of split 1 attenuates inflammation via regulating transcriptional elongation Xiaoyu Hu	3945: Identification and quantitation of autoantigen peptides targeted by CD8+ T cells on human islet beta cells. Kailin Giam
15:55	1925: Downregulating Cyclin-Dependent Kinase 9 of alloreactive CD4+ T cells prolonged Allograft Survival Guihua Hou		3523: STAT3 is a critical B-cell intrinsic regulator of functional antibody responses and IgE production Alisa Kane	2214: Functional analysis of a novel E3 ubiquitin ligase in TLR4-mediated innate immune responses Li-Chung Hsu	1567: Epigenetic regulation of the overexpressed STAT-1/Myd88 in macrophages from type 1 diabetic mice Luciano Ribeiro Figueiras	2792: Antibody levels against GLURP R2, MSP1 block 2 hybrid and AS202.11 and risk of malaria in children living in hyperendemic (Burkina) and hypo-endemic (Ghana) areas. Mariama Cherif	3329: Regulation of IL-15 in the tumor microenvironment by the STING pathway Kimberly Schluns	4158: 1013. Inhalation of granulocyte/macrophage-colony stimulating factor (GM-CSF) and GM-CSF antibody Ryushi Tazawa	1015: CD4+ T cell-intrinsic TRAF5 negatively regulates Th17 cell-dependent experimental autoimmune encephalomyelitis Hiroyuki Nagashima
16:00	1981: Lymphocyte expression of CD31 and leukocyte-derived CD31, two new markers of antibody-mediated rejection in human heart transplantation Giuseppina Caligiuri		4220: Control of IgE production during primary and secondary immune responses Christopher Allen	1379: Roles of MD-1 in inflammatory disorders Natsuko Tanimura	3185: The Role of mTORC1 on Regulating Tissue Resident Macrophage Homeostasis Jimin Gao	3741: Mycobacterium indicus pranii (Mw) in combination with heat induced promastigotes persuade host protection against Leishmania donovani infection: Activation of IL-6+CD11c+ cDC and induction of CXCL10 Chiranjib Pal	3800: Interactions between CD4 T Cells, Regulatory T Cells and B Cells shape the immune response to tumours Elena Shklovskaya	3178: IL-37 requires the receptors IL-18Ra and IL-1R8 (SIGIRR) to carry out its multifaceted anti-inflammatory program on innate signal transduction. Claudia Nold	2289: GM-CSF Induces Multi-Organ Autoimmunity Upon Loss of Regulatory T cell Mediated Suppression Margit Lanzinger
16:30	BREAK								
16:45								The Immunology Debate: Adaptive Immunity is Innately Redundant	
16:45								Chairperson: Anne Kelso	
16:45								For: Luke O'Neill, Virginia Pascual, Nick Huntington, Kate Schroder	
16:45								Against: Ken Murphy, Gillian Griffiths, Richard Boyd, Elissa Deenick	

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		103	104	105 & 106	109 & 110	111 & 112	203 & 204	Plenary 1	Plenary 2	Plenary 3
08:30								B Cells	Inflammation	Immunodeficiency
								<i>Chairperson: Steve Nutt</i>	<i>Chairperson: Noriko Toyama-Sorimach</i>	<i>Chairperson: Stuart Tangye</i>
08:30								Transcriptional control of B cell immunity Meinrad Busslinger	Innate and adaptive IL-17 secreting T cells in autoimmunity Kingston Mills	Dysregulated PI3K signaling causes primary immunodeficiencies Anne Durandy
09:00								Constitutive CD40 signaling in naive B cells calibrates differentiation outcomes Anna George	Metabolic reprogramming in innate immunity and inflammation Luke O'Neill	Stuart Tangye
09:30								Instructive selection of germinal center B cells into the memory compartment Tomohiro Kurosaki	Tracking signatures of IL-6 involvement in chronic disease Simon Jones	Anne Puel
10:15	BREAK									
10:30	Macrophages 2			Tumour Immunology 6	Aging & Perinatal Immunology	Treg 2	Immunity to Bacteria & Fungi 4	Cytokines, Interferons & Inflammation 5	Innate Receptors & Inflammasomes 3	Therapeutic Antibodies
				<i>Chairperson: Margaret Baird</i>	<i>Chairperson: Janko Nikolich-Zugich & Andrew Currie</i>		<i>Chairperson: Bernadette Saunders & Sammy Bedoui</i>	<i>Chairperson: Andrew Bean & Joanna Groom</i>	<i>Chairperson: Ashley Mansell & Anne Fletcher</i>	<i>Chairperson: Xiyun Yan & Kong Peng Lam</i>
10:30	2787: Macrophage death following influenza vaccination promotes IL-1a-dependent dendritic cell activation and antigen presentation in draining lymph nodes. Yagmur Farsakoglu			764: Therapeutic potential anti-CD137 mAbs in Multiple Myeloma Camille Guillerey	2410: A thymus-sparing conditioning regime for tolerance induction in aged recipients Tracy Heng	2957: Chemokine production by regulatory T cells is required for therapeutic attenuation of autoimmunity and allograft rejection Anne Pesenacker	1474: Inflammatory monocytes contributes to the restriction of Legionella in a mouse model of Legionnaires' disease Liliana Massis	2650: Cellular sources of Tumor Necrosis Factor in disease and cell type-restricted cytokine targeting Sergei Nedospasov	1572: Protein kinase D1 links IRAK1 and TRAF6, but not TRAF3, in the MyD88-dependent Toll-like receptor signaling pathway Ae-Kyung Yi	810: Monoclonal Antibody against Dengue virus Nonstructural Protein 1 Wing Domain Protect Mice from Dengue Virus infection Trai Ming Yeh
10:40	1500: Bone marrow derived monocytes give rise to self-renewing and fully differentiated Kupffer cells Charlotte Scott			2365: Growth regulation of chronic lymphocytic leukemia by IL-10 produced constitutively by leukemic cells Subbarao Bondada	2599: Metabolic and Epigenetic Mechanisms of Age-Related Functional Defects in Naïve CD8 T Cells Kylie Quinn	3582: Transcriptional landscape of human tissue lymphocytes unveils uniqueness of tumor-infiltrating T regulatory cells Sergio Abrignani	3357: Mycobacterium tuberculosis expresses noncoding RNAs to regulate mycobacterial and eukaryotic gene expression during infections Nicolai van Oers	1884: Interleukin-27 inhibits synovial lymphoid neogenesis in inflammatory arthritis Gareth Jones	1699: HBV inhibits LPS-induced NLRP3 inflammasome activation and IL-1β production Cai Zhang	3619: Ultra-potent neutralization of GM-CSF by multispecific antibodies Luca Piccoli
10:50	1604: Monocyte derived alternatively activated macrophages prevent experimental autoimmune encephalomyelitis Santiago Partida-Sanchez			3785: Tumour-infiltrating T cells leave tumours to provide effector functions in draining lymph nodes Tommaso Torcellan	3217: Rules Governing Homeostasis, Repertoire Mobilization and Protective Immunity Change with Old Age Janko Nikolich-Zugich	1629: Molecular Control of Foxp3+ Regulatory T Cell Survival And Death During Chronic Viral Infection Daniel Gray	703: Inflammatory properties and adjuvant potential of synthetic glycolipids homologous to mycolate esters of the cell wall of Mycobacterium tuberculosis Giresse Hermann Tima	4150: Ongoing classical IL-6 signaling is required for Th17 maintenance and the pathogenesis of colitis Stacey Harbour	1183: TLRs and FcRs acting together to eradicate infections. Jantine Bakema	3901: Evaluation of a novel passive immunotherapy approach targeting HMGB1 in the treatment of sepsis Natalie Stevens
11:00	1281: Tissue-resident macrophages as a front line of defense in Plasmodium infection. Pravesh Gupta			1202: D133p53 isoform – a novel adjuvant for tumour vaccination Antony Braithwaite	793: A tumor suppressor Menin controls CD8 T cell senescence by regulating energy metabolism Masakatsu Yamashita	3725: Low-dose Interleukin-2 Selectively Modulates CD4+ T Cell Subsets in SLE Jing He	4002: Leptin And IL-17 Mediated Responses In Vaccination Against Helicobacter pylori. Anna Walduck	1293: Understanding the Role of Pro-inflammatory Cytokines in the Development of Gastric Cancer Jun Ting Low	2223: Cre-dependent DNA recombination activates cGAS-STING innate immune response Michael Gantier	548: Application of an ELISA based competitive binding assay to measure concentration of anti-TNF biologics and neutralising anti-drug antibodies in the clinical laboratory Paula Keating
11:10	981: A tissue-resident macrophage specific coinhibitory molecule promotes regulatory T cell differentiation and stability Wenxian Fu			3111: In vitro neutralization of IL-17A sensitizes dendritic cells to vinblastine in Langerhans cell histiocytosis Christina Delprat	1870: Significance of age-associated changes in miRNA expression regarding human CD4+ T cells Joanna Frackowiak	1495: Regulatory T cells modulate dendritic cell maturation and function at a transcriptional level. Emily Mavin	1935: NRAM (Natural Resistance Associated Macrophage Protein, Slc11a1) plays a critical role in the resistance of mice to Francisella tularensis Daniel Powell	1796: Target organ-directed nanoparticles effectively deliver IL-27 for arthritis therapy Kamal Moudgil	2329: A mitochondrial target of imiquimod is involved in Nlrp3 inflammasome activation and cancer cell growth arrest Christina Gross	1064: Developing an antibody targeting CcmX of mIgE for the treatment of IgE-mediated diseases Yueh-Hsuan Chan
11:20	4095: Hypoxia reprograms human macrophages towards a proinflammatory direction Federica Raggi			1152: Cancer Immunotherapy: Translation from mice to human clinical trials Jay Berzofsky	3008: T Cell Response among Elderly TB Patients: Approach to Rescue the Immunity Manju Namdeo	1540: Suppression by Human FOXP3+ Treg Cells Requires FOXP3/TIP60 Interaction Khalid Bin Dhuban	2845: Commensal microbial modulation of immunity in the male urogenital tract Praveen Thumbikat	2655: Regulators of inflammation and wound formation induced by Trehalose 6,6'-dimycolate (TDM) from Mycobacterium tuberculosis in vivo Joana Filipa Da Silva Domingues	1117: NOD/RIP2 signalling in response to non-peptidoglycan containing pathogen contribute to development of a TH1-Biased response and resistance against L. major infection Djalma Souza Lima Jr	2089: Novel Ways of Targeting PKCθ Reveals New Molecular Clues About T Cell Signaling Emrah Ilker Ozay
11:30	712: M3 switch macrophage phenotype: Implication in the cancer immunotherapy Igor Malyshev			2656: Melanoma cell lysosome secretory burst neutralises the CTL-mediated cytotoxicity at the lytic synapse Salvatore Valitutti	3499: Respiratory Syncytial Virus targets a fetally developed B cell population with regulatory functions which predicts disease severity Richard Lo-Man	485: USP21 prevents the generation of T-helper-1-like exTreg cells Bin Li	3664: Guanabenz Protects against Tuberculosis Infection by Targeting ESAT-6 of Mycobacterium tuberculosis Buka Samten	3274: Haemtopoietic Cell Kinase Promotes Myeloid Endotypes Underpinning the Development of COPD and Tumour Progression in Mice. Robert O'Donoghue	3323: TLR13 signaling on cardiomyocytes and macrophages is critical to establish protective immunity to Coxsackievirus B3 infection Wei Xu	3103: Preclinical development of a bispecific antibody that safely and effectively targets CD47 for the treatment of B cell cancers Walter Ferlin
11:40	842: Macrophage polarization and control of gut bacteria-associated sepsis in mice exposed to whole body 137Cs γ-irradiation Fujio Suzuki			3209: Smoking and lung immunology in the context of cancer initiation and progression Sarah White	2011: What role do immune cells play in preterm newborn brain injury? Xiaoyang Wang	1776: Divergent target specificity of human Foxp3+ regulatory T cells and Th2 effector cells poses a risk for allergy development Petra Bacher	4205: Phosphoinositide-mediated oligomerization by defensins induces fungal and tumour cell lysis Mark Hulett	535: GM-CSF primes cardiac inflammation during Kawasaki Disease. Angus Stock	2393: BAD-LAMP a novel actor of TLR9 trafficking in human plasmacytoid dendritic cells Alexis Combes	3680: "Anti-conformation monoclonal antibody effective in pre-clinical treatment of full Alzheimer's Disease animal models by targeting pathological oligomeric forms of Aβ and modified Tau" Fernando Goni

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11:50	2415: Controlling macrophage phagocytosis towards self cells: Two layers of activating and inhibitory mechanisms Yuan Liu		4050: PD-1 blockade induces quantitative and qualitative changes within a vast and common antigen-specific T cell repertoire in melanoma treated patients Sylvain Simon	3753: Interleukin-22Ra1 signaling attenuates the severity of necrotizing enterocolitis and enhances expression of antimicrobial peptides Misty Good	2580: A novel post-translational modification in Foxp3 regulates Treg function in autoimmune disease Cheryl Chia	2284: Neutrophil-producing IFN- γ eases tissue injury by driving macrophages to phagocytose apoptotic neutrophils during <i>Listeria monocytogenes</i> infection Guan Wang	1312: Regulation of CCL5 by Runx/CBF β is essential to maintain lung homeostasis Wooseok Seo	3423: Activation of TLR4 by dengue virus NS1 protein is a key to pathology Kate Stacey	3726: Selective IL-2 immunotherapy Onur Boyman
12:10	BREAK								
12:30			NK	Innate Regulation		Cytokines	Myeloid Cells	B Cells	Innate Receptors
			<i>Chairperson: Mark Smyth</i>	<i>Chairperson: Diana Castano</i>		<i>Chairperson: Pierre Miossec</i>	<i>Chairperson: Xiaoyu Hu</i>	<i>Chairperson: Robert Brink</i>	<i>Chairperson: Kate Stacey</i>
12:30			Mariapia Degli-Esposti	Estrogen-related receptor α and regulation of innate immunity Eun-Kyeong Jo		New insights into interleukin-1beta release, inflammasome activation and cell death Pablo Pelegrin	Gwendalyn Randolph	Development and Uses of Broadly Neutralizing Antibodies Against HIV-1 Michel Nussenzweig	Molecular Mechanism controlling TLR7 responses in plasmacytoid dendritic cells Kensuke Miyake
13:15	BREAK								
13:30	Neuroimmunology 2		Metabolism	Immunity to Parasites 2	Allergy 4	Vaccines 4	Immunosuppression	Innate Lymphoid Cells	B Cells 4
	<i>Chairperson: Anne LaFlamme</i>		<i>Chairperson: Axel Kallies, Clovis Palmer</i>	<i>Chairperson: Katja Fischer, Christian Engwerda</i>	<i>Chairperson: Graham LeGros</i>	<i>Chairperson: TBA</i>	<i>Chairperson: Roslyn Kemp, Matthias von Herrath</i>	<i>Chairperson: Chiara Romagnani, Sergei Nedospasov</i>	<i>Chairperson: Mübeccel Akdis, Kim Jacobson</i>
13:30	2863: Identification of eomes-positive T helper cells as a pathogenic factor in chronic neuroinflammation Ben Raveney		3536: Impaired cellular metabolism and inhibitory receptor expression during chronic infection are linked by IRF4 Axel Kallies	977: Liver resident memory T cells express CXCR6 and patrol in the sinusoids Lauren Holz	1586: Eosinophil lineage commitment and IL-5-dependent expansion is regulated by IL-33 in mice Laura Johnston	1879: Out-Manipulating the Manipulator: Development of a live attenuated human cytomegalovirus vaccine Adriana Tomic	3307: Understanding the molecular control of immune cell survival for the development of tailored immunotherapy Emma Carrington	1133: Down-regulating E protein function augments ILC2 production in hte thymus Xiao-Hong Sun	3091: PRMT5 regulates B cell development and germinal center homeostasis Ludvine Litzler
13:40	4268: Tumor necrosis factor induces a cytokine specific sensory vagus neurogram Sangeeta Chavan		4177: CD28 Induces Metabolic Fitness in Long-Lived Plasma Cells through Slp76 for Reactive Oxygen Species-Dependent Survival Adam Utley	549: Interleukin-6 and Type I Interferon-signalling control ICOS-mediated humoral immunity to malaria Ismail Sebina	3690: Pulmonary NK cells prevent allergic airway sensitization: Regulation by CB2-active eicosanoids Zeina Jaffar	4223: Lipovaxin, a versatile chelating liposomal vaccine platform for surface-loading of recombinant antigens to generate self-adjuvanting immune-stimulatory particles for improved immune responses. Nicola MacIennan	1877: Identification of a functional TGF- β mimic secreted by the helminth <i>Heligmosomoides polygyrus</i> . Danielle Smyth	2800: Differential roles of T helper 2 cells and group 2 innate lymphoid cells in allergic airway inflammation Rudi Hendriks	371: Single molecular force sensitivity and threshold for the activation of B cell receptors Wanli Lu
13:50	1470: Assessment of vasoactive neuropeptide receptor expression in varying severities of Chronic Fatigue Syndrome/Myalgic Encephalomyelitis (CFS/ME) Samantha Johnston		1390: Chronically stimulated CD4 T cells exhibit a defective glycolytic metabolism yet produce rapid effector function after PD-1 blockade Michael Braun	1227: Immune-Driven Alterations In Mucin Glycosylation Are Essential For Trichuris Muris Worm Expulsion Sumaira Hasnain	1956: In vivo optical imaging of skin allergy inflammation Zhihong Zhang	2109: Targeting dendritic cells with heterologous prime-boosting to enhance immunity Jessica Li	534: Ultraviolet irradiation establishes an immune suppressive microenvironment within the skin-draining lymph nodes Benita Tse	1051: Deciphering The Innate Lymphoid Cell Developmental Program Reveals Transient Requirement of the Transcription Factor Nfil3 Cyril Seillet	3757: Transcriptional and epigenetic regulation of germinal centre and plasma cell differentiation Kim Good-Jacobson
14:00	1979: CD8 T cell-mediated killing of orexin-producing neurons induces a narcolepsy-like phenotype in mice Raphaël Bernard-Valnet		1999: SHIP1 alters innate immunity in VAT to control obesity William Kerr	2454: HIF-1 α impairs monocyte's effector function and induces M2 macrophage polarization during chronic <i>Leishmania donovani</i> infection Akil Hamami	3557: Intrinsic- and extrinsic- mediated CTLA-4-signals shape the TH2 response: Implications for allergic disorders Mandy Pierau	1568: AS01-adjuvanted vaccine induces a transient innate immune response in humans Kinga Smolen	315: Alarmin S100A8/A9 dependent accumulation of myeloid-derived suppressor cells (MDSC) and their relevance in rheumatoid arthritis Meike Kuhlencord	3162: Flt3L controls the number of innate lymphoid cells in fetal and adult mice Daniela Finke	2742: G1-phase nucleotide paucity causes AID-induced mismatch repair to be mutagenic in germinal centre B cells Chris Jolly
14:10	2663: EphA2 is necessary for the development of experimental cerebral malaria. Thayer King		3444: Lymphocyte Activation Gene 3 controls metabolic profile of naive and activated CD4+ T cells Jon Piganelli	3787: PD-L2 is crucial for establishing effective CD4+ Th1 immunity against malaria Michelle Wykes	993: Unravelling modes of HLA-drug-TCR interaction in HLA-associated Adverse Drug Reactions Patricia Illing	2804: Vectorization in an oncolytic vaccinia virus of an antibody, a Fab and a scFv against PD-1 allow their intratumoral delivery and an improved tumor-growth inhibition. Laetitia Fend	344: Resveratrol-induced Myeloid-derived Suppressor Cells Attenuate Experimental Autoimmune Encephalomyelitis by regulating microRNA Profile Narendra Singh	224: Differential ID2 in the group 3 innate lymphoid cells control the development of different gut associated lymphoid tissues Wenyan Wang	3172: The impact of Arginine Methylation on BCR signalling Simona Infantino
14:20	3350: Regulation of CD4 T cell-mediated inflammation by cognate interactions with B cells in experimental autoimmune encephalomyelitis Chelsea Parker Harp		17: Smad4-deficiency results in altered cell metabolism and defective memory CD8 T differentiation Linda Cauley	1742: Protein Tyrosine Phosphatase Inhibition Enhances the Generation of Protective Tr1 Cells and Attenuates the Brain Sequestration of Pathogenic T Cells during Experimental Cerebral Malaria Kristin Van Den Ham	1722: FIBCD1: a novel regulator of Th2 immune responses Bartosz Pilecki	4059: Vaccine targeting of subdominant CD8+ T-cell epitopes increases the breadth of the T-cell response upon viral challenge, but may impair immediate virus control Maria Steffensen	3105: A Non-hematopoietic erythropoietin analogue, ARA 290, prolonged allogeneic islet graft survival in a mouse model Makiko Kumagai-Braesch	954: Tissue-microenvironment dictates the fate and tumor-suppressive activity of type 3 ILCs Kathrin Nussbaum	641: What determines B cell fate during infection? Henry Sutton
14:30	3529: Inflammatory monocytes recruited from the bone marrow in West Nile virus or dengue encephalitis have distinctive differentiative fates in the CNS Nicholas King		2666: Saturated fatty acids-induced metabolic stress leads to biased effector memory CD4+ T cell differentiation via mTOR-independent, PI3K p110/Akt-mediated signals Joanne Smith	3324: The role of TREM-1 in the severity of human Cutaneous Leishmaniasis through a translational study. Natalia Tavares	3827: Exploring the IL7-IL7R pathway: A comparative approach confirms reduced gene expression in atopic dogs and a function in prenatal immune system development of chicks Hanutal Mazrier	4048: Vaccine encoding SIV accessory antigens protects against pathogenic challenge Peter Johannes Holst	437: Antigen-specific exosomes carrying miRNA-150 interact with ovalbumin-derived peptides to suppress the delayed-type hypersensitivity reaction in mice Katarzyna Nazimek	1497: Redefining human ILC using high dimensional single cell analysis Yannick Simoni	1835: Distinct germinal center selection at local sites shapes cross-protective memory B cell response to viral escape Yu Adachi
14:40	1357: Neuroinflammation drives the neuronal degenerative phenotype in a rat model of Ataxia-Telangiectasia. Tara Roberts		458: Precision Immunometabolic Checkpoint Treatment of Lethal Murine Sepsis: Targeting the NAD+ and Sirtuin 1-dependent Homeostasis Network Tiefu Liu	4069: Omics profiling of <i>Leishmania</i> major-infected human macrophages: A systems-level Approach Fatma Guerfali	4189: IL-33 Enhances IL-9-producing Mucosal Mast Cell Function In IgE-mediated Food Allergy Yui-Hsi Wang	1247: Pulmonary immunisation with recombinant Influenza A viruses against <i>Mycobacterium tuberculosis</i> Heni Muflihah	2189: Coexpression of BTLA and PD-1 identifies a novel CD4+ T-cell exhaustion phenotype in human hepatocellular carcinoma Qiyi Zhao	4103: Cross-talk between pancreas resident innate lymphoid cells and T cells in autoimmune diabetes Frank Heuts	3228: The atypical chemokine receptor ACKR4 shapes early antibody responses Kara Ervin
14:50	3866: Protection against development of a mouse model of multiple sclerosis by a parasite-derived 68-mer peptide Judith Greer		624: Pdcd4 inhibits macrophage lipophagy and promotes foam cell formation and atherosclerosis in mice Lining Zhang	579: Enhanced presence of anergic/exhausted CD8+ T-cells contributes towards sustaining Indian Post Kala-azar Dermal Leishmaniasis Shibabrata Mukherjee	1091: The environment alters the immune response to ragweed pollen Shu-Hua Liu	1901: A cytolytic DNA vaccine to target cross-presentation of dendritic cells Danushka Wijesundara	3963: Kinetics of the Foxp3+ cell response in kidney tissue of both autoimmune and non-autoimmune induced hyperglycemia in mice Kailash Singh	1168: GATA3 regulates the development and functions of innate lymphoid cell subsets at multiple stages Jinfang Zhu	1522: TAPP adaptors control Akt-dependent metabolic activation of germinal center B cells and suppress autoimmunity via binding to the SHIP product PI(3,4)P2 Aaron Marshall

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15:00	2923: Air pollution as a novel contributor to the inflammatory activity of multiple sclerosis Andrea Cortese		4038: Modulating lipopolysaccharide-induced cytokine secretion profiles of monocytes by manipulating metabolic pathways Cathy Thornton	823: During Infection, Native Trypanosoma cruzi Calreticulin Mediates Growth Inhibition of a Mammary Tumor Arturo Ferreira	324: Sex-related differences in the interaction of CD4+ T cells with CD8+ T cells lead to female-dominant allergic airway inflammation Tomomitsu Miyasaka	2916: Assessment of humoral immune response to various combinations of recombinant Bordetella pertussis antigens in a mouse model Maryam Golara	1439: PM2.5 induces oxidative stress in splenic CD11b+ cells in mouse Cuiying He	2270: Balance of environmental factors modulates cell fate decision of adaptive lymphocytes and innate lymphoid cells Satoshi Koga	472: Human B cell memory defined by tyrosine phosphatase CD45 activity Britt Nakken
15:10	BREAK								
15:30	Dendritic Cells 2		B Cells 2	Innate Receptors & Inflammasomes 2	Neuroimmunology	Immunity to Parasites 2	Tumour Immunology 5	Cytokines, Interferons & Inflammation 5	Vaccines 2
15:30	1050: The contribution of interferon lambda to systemic lupus erythematosus Christophe Macri		732: TGF-β-induced regulatory T cells directly suppress B cell responses through a non-cytotoxic mechanism Song Guo Zheng	3833: Inflammasome function in autoimmunity Sara Thygesen	2718: Analysis of the binding specificity of antibody to dopamine-2 receptor in paediatric autoimmune movement and psychiatric disorders Nese Sinmaz	1229: The transcription factor T-bet negatively regulates germinal centre responses and humoral immunity to malaria Ann Ly	314: Costimulatory signals derived from myeloid leukemia cells contribute to functional exhaustion in CD4+ T cells Gunes Esendagli	1410: Oxidative stress and age related impairments in the maintenance of immunological memory Luca Pangrazzi	3672: Salmonella porins are a multivalent vaccine candidate against typhoid, paratyphoid, and non-typhoidal salmonellosis Constantino López-Macias
15:35	2239: Targeting infectious disease related antigen to Clec9A enhances antibody responses Hae Young Park		1162: Amino acid residues affecting the ligand-binding activity of FcγR Hiromi Kubagawa	3080: The role of SSc5D in pathogen recognition and inflammation Alexandre Carmo	196: Evaluating the impact of miR-181 interaction with DENN/MADD adaptor molecule on TNF-alpha neuroprotective signaling Samira Ghorbani	3133: Inflammatory monocyte- and neutrophil-derived CXCL10 impairs efficient control of blood-stage malaria infection and promotes severe disease Lisa Ioannidis	1044: Seromic profiling of melanoma patients using a custom protein microarray platform Jessica Duarte	2874: The role of IL-1 and IL-23 signaling in tumor elicited inflammation in colon cancer Sergei Grivennikov	3943: Novel strategy for protection against Leishmaniasis through activation of TLRs, cytokines leading to renewal of repopulating hematopoietic stem cells in bone marrow: A non-self 'carbohydrate-complex'. Chiranjib Pal
15:40	3343: Role of dendritic cells in the induction of immune response by lentiviral vector Céline Cousin		381: IL-4-treated mast cells activate regulatory B cells in a cross-talk involving microvesicles Felix Marsh-Wakefield	3961: Fungal Immunomodulatory Proteins LZ-8 and GMI Activate the NLRP3 Inflammasome via Stimulating ROS Generation Chun-Jen Chen	366: Role of the cholinergic system in experimental pulmonary tuberculosis Leon Islas	1579: Evaluation of Immunomodulatory Activities of Lentinan in Combination with Miltefosine in Balb/c Mice against Visceral Leishmaniasis Rahul Shivahare	1734: Differential expression of the inhibitory receptors PD-1, CTLA-4 and BTLA on effector T cells is a requirement for the development of intestinal type gastric cancer Anamaria Morales-Alvarez	270: OPG may protect bleomycin-induced pulmonary fibrosis by inhibiting SMAD2/3 dependent TGF-β1 activation. Dong Weng	531: Exceptionally long CDR3H of bovine scFv antigenized with BoHV-1 B-epitope generates specific immune response against the targeted epitope Azad Kaushik
15:45	1353: High mobility group box 1 protein contributes to the enhancement of co-stimulatory molecule-expression and cross-presentation by mucosal DCs through oral administration of cholera toxin Ayako Wakabayashi		2020: A disintegrin and metalloprotease 10 (ADAM10) regulates inducible costimulatory ligand (ICOS-L) levels on B-cells. Joseph Lownik	1126: Inhibition of TLR3 signalling by single stranded oligonucleotides Aleksandra Dondalska	1625: Association of naive or differentiated human CD8+ T cells frequency with EBV and HHV-6 load in RRMS patients in relapse phase Zahra Salehi	834: Combining immunoproteomics and in silico MHC-II epitopes prediction for the identification of potential protective antigens against Echinococcus granulosus infection in mice. Sebastián Miles	2090: The role of CD169 in tumour metastasis Morad-Remy Muhsin	554: Socs1 and Socs3 degrades Traf6 via polyubiquitination in LPS induced acute necrotizing pancreatitis Xiangyu Zhou	351: Epithelial ovarian cancer stem cells: a potential vaccine for ovarian cancer Jun Dou
15:50	188: The role of dendritic cells in sexual transmission of HIV Andrew Harman		2973: Myosin 1g participates in CD44-recycling in B-lymphocytes. Leopoldo Santos-Argumedo	3141: Bacterial DNA sensed by STING activates guanylate-binding proteins via type I IFN signaling pathway enhancing host cell defense Sergio Oliveira	3079: Innate receptor signaling and Type I interferons in glial response in the central nervous system Reza M. H. Khorrooshi	2687: Perforin is required for edema and blood-brain barrier disruption in vital regions of the brain in experimental cerebral malaria Aaron Johnson	2796: The cold shock protein YB-1 (Y-box binding protein 1) regulates resistance against apoptosis in T-lymphocytes Stefan Meltendorf	2974: ATF3 is a key regulator of macrophage interferon-responses Dominic De Nardo	523: Development of a BCG challenge model for the testing of vaccine candidates against bovine tuberculosis. Bernardo Villarreal-Ramos
15:55	2481: Dendritic cell activity is dependent on circadian rhythmicity and mitochondrial dynamics Francisco Javier Sánchez-García		3983: IL-27 directly influences germinal center B cell development via STAT1 Dipti Vijayan	2634: Parasite-derived antigens facilitate inflammasome activation by modulating Toll like receptor signaling Daniel Sorobetea	3485: Insight into regulatory mechanisms induced by a novel Immunospecific therapy with Synthetic Multi-Epitope targeting agent modulate MS-like disease Nathali Kaushansky	3032: Echinococcus granulosus infection ameliorates airway inflammation in ovalbumin-induced mouse allergic asthma model Wenbao Zhang	3375: B7-H1 (PD-L1) is expressed in the Tasmanian devil facial tumor microenvironment and is strongly upregulated in response to IFN-γ Andrew Flies	3944: Constitutive AHR signaling-mediated modulation of antiviral IFN response Taisho Yamada	960: GPI-CCL28 engineered VLP: A promising platform for next generation influenza mucosal vaccines Teena Mohan
16:00	1176: Induction of Tolerogenic Dendritic cells by Nasopharyngeal Carcinoma-Derived Exosomes Sarah Renaud		2788: CD21low/- age-associated B cells are memory B cells in autoimmunity Natalija Gerasimcik	3665: Cross-regulation between the inflammasome and linear ubiquitination machinery Todd Douglas	3613: Cytokine production of CD4+ responder and regulatory T cells and the effect of IL-21 in co-culture in myasthenia gravis patients Güher Saruhan-Direskeneli	2677: Differential response of IFN-γ in peripheral blood mononuclear cells of acute Malaria patients by ELISpot assays in the Peruvian Amazon Claudia Carrera Bravo	4188: Differentiation of leukemic cells into dendritic cells by redirecting cancer kinase signaling: A novel rewiring of Bcr/Abl and PKC David Hoekstra	3389: Potent antitumor effect of two self-limiting adeno-associated viruses Marcos Vásquez Durán	1882: The pig as a large preclinical model for therapeutic human anti-cancer vaccine development Nana Haahr Overgaard
16:30	BREAK								
16:45							Inflammation	Th17	Antibody
							<i>Chairperson: Xiaojing Ma</i>	<i>Chairperson: Youcun Qian</i>	<i>Chairperson: Prof Jorge Kalil</i>
16:45							Inflammasomes, dysbiosis and disease Richard Flavell	Vijay K Kuchroo	Broadly neutralizing antibodies and a new mechanism of diversification Antonio Lanzavecchia