

Adoptive Cell Therapy

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 1 **Alexander Davenport**, 3283, CAR T Cells are Potent Serial Killers
- 2 **Alla Dolnikov**, 3164, Combined immune and epigenetic therapy for high risk and relapsed leukaemias and lymphomas.
- 3 **Alla Dolnikov**, 3174, Haematopoietic stem cells to generate chimeric antigen receptor (CAR)-modified T cells
- 4 **Andy Kokaji**, 3627, Scalable human T cell isolation, activation and expansion using EasySep™ and ImmunoCult™
- 5 **Atsutaka Minagawa**, 2196, iPSC based adoptive immunotherapy by using genome editing strategy
- 6 **Beata Skiba**, 4491, High Throughput Flow Screening Assays to Profile Cell-Mediated Killing
- 7 **Bhushan Dharmadhikari**, 3431, High potency dendritic cells generated via CD137L reverse signaling for dendritic cell-based immunotherapy
- 8 **Carmen Yong**, 4146, Enhancing adoptive immunotherapy: Redirecting immune subsets and metabolic pathways
- 9 **Dongyan Shao**, 1671, Construction of CD47 specific CAR-NK and its anti-tumor activity in vitro
- 10 **Hiroshi Hamana**, 1674, A rapid and easy system for screening of antigen-specific TCRs
- 11 **Hung-Rong Yen**, 3322, Adoptive Transfer of Tc17 CD8 T Cells as an Approach to Elicit a Better Immune Response to Vaccination
- 12 **Isabelle Magalhaes**, 520, Functional signature of CD19 CAR transduced T cells
- 13 **Katerina Vavrova**, 901, Generation of T cell effectors using LNCap-loaded DC vaccine for adoptive T cell therapy
- 14 **Kiyomi Shitaoka**, 3881, Identification of tumor-specific T cell receptors of primary tumor-infiltrating lymphocytes (TILs) from B16F10 melanoma-bearing mice at single cell levels
- 15 **Lewis Cawkwell**, 1153, Engineering T cells for cancer therapy by expressing a Chimeric antigen receptor (CAR) targeting the tumour endothelial marker ROBO4
- 16 **Makiko Kumagai-Braesch**, 1573, Ex Vivo Generation Of Alloantigen-Specific T Regulatory Cells Using Selective T-Cell Co-Stimulation Blockade
- 17 **Nick Shields**, 2727, Generating CD4+ and CD8+ T cells using BMDCs and BMMΦs improves adoptive cell therapy for B16 melanoma
- 18 **Peng Li**, 2211, Identification of New Genes that Enhance Effector Function of Chimeric Antigen Receptor T Cells
- 19 **Protul Shrikant**, 3505, NFκB acts as a central integrator of cell extrinsic signals to regulate CD8+ T cell fate and tumor efficacy
- 20 **Raanan Greenman**, 1084, Activity of engineered antigen-specific T cells as a function of the relationship between affinity, avidity and antigen density
- 21 **Rajeev Kumar**, 226, Blockade of PD-1 enhances the cytotoxic function of ex vivo expanded CD8+ T-cells in EpCAM+ PDL-1+ cancer
- 22 **Rikke Lyngaa**, 1701, Using Merkel cell polyomavirus specific TCR gene therapy for treatment of Merkel cell carcinoma
- 23 **Seiji Nagano**, 3292, Selection process of the optimal T-iPSC clone from among clones derived from T cells specific to melanoma antigen MART-1
- 24 **Sherly Mardiana**, 990, Using agonist anti-4-1BB to enhance CAR T cell responses against cancer
- 25 **Song Guo Zheng**, 734, Human Gingiva-Derived Mesenchymal Stromal Cells Inhibit Graft-versus-Host Disease through CD39 and IDO
- 26 **Stefanie Bailey**, 2664, CD4+CD26+ T cells exhibit enhanced persistence and antitumor activity in vivo
- 27 **Sylvain Simon**, 4041, Manipulating PD-1 axis to generate melanoma-specific high avidity CD8 T cells for adoptive cell transfer for
- 28 **Sylvie Shen**, 3136, Ex vivo expansion of cytotoxic natural killer cells in combined immune therapy for relapsed and refractory neuroblastoma
- 29 **Tatsuhiko Ozawa**, 1895, A rapid and efficient single-cell manipulation method using microwell array chip (ISAAC) technology for screening antigen-specific cytokines-secreting T-cells
- 30 **Timothy Spear**, 1543, Influence of TCR and pMHC structure on the polyfunctional phenotypes of TCR gene-modified T cells
- 1385 **Xianing Huang**, 2683, Folate-modified Chitosan Nanoparticles Containing the IP-10 Gene Enhance Melanoma-specific Cytotoxic CD8+CD28+ T Lymphocyte Responses Xianing Huang

Immunodeficiency

Level 1 (via escalator 1), 1530 - 1630

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- 31 **Alfonso Blázquez-Moreno**, 3498, The effects of CD247 deficiency on activating NK cell receptors
- 32 **Ann Chidgey**, 2539, Stem cell based strategies for re-establishing T cell immunity.
- 33 **Charlotte Slade**, 3853, NFκB2 mutations in CVID: variability in clinical and immunologic phenotypes
- 34 **Chun-Fu Yeh**, 1667, Susceptibility to Cryptococcosis Due to Anti-Granulocyte-Macrophage Colony-Stimulating Factor Autoantibodies in The Absence of Pulmonary Alveolar Proteinosis
- 35 **David Shields**, 3179, Analysis of the NT5E (ecto-5'-nucleotidase) gene in Common Variable Immunodeficiency
- 36 **Delphine Guipouy**, 2278, Super-resolution imaging reveals the role of WASP in the ultrastructure of LFA-1 and actin cytoskeleton at the lytic synapse
- 37 **Ewelina Grywalska**, 266, Subcutaneous gammaglobulin replacement therapy in chronic lymphocytic leukemia – 5 years of experience
- 38 **Irina Nesterova**, 1878, The efficacy of different programs of the interferon- and immunotherapy in children with combined secondary immunodeficiencies associated with recurrent respiratory infections
- 39 **Julie Nguyen**, 826, Impact of a gain-of-function mutation in CXCR4 on haematopoiesis in mice
- 40 **Laurel Kartchner**, 4340, Woodsmoke inhalation injury causes pulmonary recruitment of neutrophils and alters cytokine production late after injury
- 41 **Marina Carvalho**, 3506, Effect of BAY 41-2272, a soluble guanylate cyclase agonist, in lymphocytes
- 42 **Matthaios Speletas**, 3099, A nation-wide study of clinical phenotypes and TACI mutations in patients with common variable immunodeficiency (CVID) and IgA deficiency (IgAD) in Greece
- 43 **Robert Sertori**, 2726, Conserved IL-2R signalling in zebrafish
- 44 **Sari Nurul Iman Nilam**, 4484, Recurrent Infected Lymphangioma in Hyper-IgE Syndromes
- 45 **Sebnem KILIC**, 147, Delayed puberty and gonadal failure in patients with HAX 1 mutation
- 46 **Simon Pelham**, 1768, Mutations underlying autosomal dominant hyper-IgE syndrome impair distinct stages of STAT3 signaling
- 47 **Supansa Pata**, 2756, Alteration of T cell responses in Adult-Onset Immunodeficiency with Acquired Anti-Interferon-γ Autoantibodies
- 48 **Vlastimil Kral**, 943, Memory B cells and plasmablasts in patients after splenectomy

Innate Lymphoid Cells

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- 49 **Anne Tsicopoulos**, 2010, Innate lymphoid cells contribute to allergic airway disease exacerbation by obesity
- 50 **Ayako Matsuki**, 2236, T-bet regulates IL-33-induced airway inflammation by suppressing IL-9 production from innate lymphoid cells
- 51 **Carina Malmhäll**, 2798, Systemic and airway derived Th2 cells and ILC2s in asthmatics susceptible to virus triggered exacerbations
- 52 **Cheng Yang**, 2900, Soluble Fibrinogen-like Protein 2 regulates differentiation and enhances immunosuppressive function of myeloid-derived suppressor cells in allograft immunity
- 53 **Farzaneh Kordbacheh**, 2151, A novel effect of extracellular histones released by innate immune cells on erythrocyte fragility
- 54 **Joshua D'Rozario**, 987, Human and murine fibroblastic reticular cells play specialized roles in innate immune cellular crosstalk
- 55 **Juan Carlos Flores Vazquez**, 2950, Regulation in the Production of Natural Antibody by Innate Lymphoid Cells
- 56 **Masaaki Hashiguchi**, 976, Peyer's patch innate lymphoid cells regulate commensal bacteria expansion
- 57 **Maureen McGargill**, 3401, Dysregulation of ERK signaling in CD4-expressing cells induces osteochondromas
- 58 **Minji Lee**, 3465, The role of dietary antigens on homeostasis and functional activity of innate lymphoid cells (ILCs) in the small intestine.
- 59 **Pia Steigler**, 2165, Mucosal BCG vaccination promotes function and accumulation of innate lymphoid cells in murine lungs
- 60 **Sarah Dulson**, 2380, STAT4 modulates innate lymphoid cell effector function and early responses to intestinal infection
- 61 **Satoshi Takaki**, 2182, Interferon- γ negatively regulates cytokine production of group 2 innate lymphoid cells
- 62 **Susanna Ng**, 773, Characterising the role of group 1 innate lymphoid cells during malaria
- 63 **Ya-Jen Chang**, 1377, The role of c-Kit in the activation of innate lymphoid cell and respiratory viral infection-induced acute asthma

Invariant & $\gamma\delta$ T Cells

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- 64 **Baiqing LI**, 3643, Comparison of IFN- γ production of peripheral blood $\gamma\delta$ T cells between latent tuberculosis infections and patients with active pulmonary tuberculosis
- 65 **Criselle Dsouza**, 2513, MAIT cells in Helicobacter induced gastritis
- 66 **Da Teng**, 2447, CAR $\gamma\delta$ -T cell for solid tumor immunotherapy based on tumor specific CDR3 δ
- 67 **Deborah Witherden**, 1557, TCR-ligand interactions are required for murine epidermal V γ 3V δ 1 T cell development
- 68 **Duncan McKenzie**, 2741, Dynamic expression of CCR6 and CCR2 balances homeostatic and inflammatory trafficking of $\gamma\delta$ T17 cells
- 69 **Fiona Ross**, 3796, Identification of CD1b-autoreactive T cells using tetramers
- 70 **Jason Kelly**, 3364, Visualising MAIT and NKT cells in colorectal tumours.
- 71 **Marice Alcantara**, 3872, Circulating Mucosal-associated invariant T (MAIT) cell levels and their functional capacity in healthy individuals and patients with chronic lymphocytic leukemia (CLL).
- 72 **Michael Souter**, 1783, The role of the CD8 co-receptor on MAIT cells
- 73 **Mohammad Kadivar**, 2802, TCR $\gamma\delta$ +CD8 $\alpha\beta$ + T cell in health and disease: A novel and functionally active subpopulation of T cells enriched within the gut
- 74 **Nicholas A. Gherardin**, 2287, A Broad Family of MR1-restricted T cells
- 75 **Sarah Thunberg**, 2456, Differentiation and expansion of $\gamma\delta$ T-cells by Zolodronic acid efficiently activates cytotoxicity in vitro
- 76 **Shihan Li**, 3917, Immunological role of alternatively spliced isoforms of MR1
- 77 **Shizue Tani-ichi**, 1617, Role of TCR γ enhancer 'Ey4' for the development and function of $\gamma\delta$ T cells
- 78 **Sneha Sant**, 2735, Universal immunity against influenza: human $\gamma\delta$ T cells
- 79 **Tai-Gyu Kim**, 3203, Triple costimulation via CD80, 4-1BB and CD83 ligand elicits the long-term growth of V γ 9V δ 2 T-cells in low levels of IL-2.
- 80 **Timothy Hinks**, 2060, Mucosal associated invariant T cells are deficient in human airways diseases
- 81 **Tom Hartwig**, 3093, Innate memory formation of dermal IL-17-producing $\gamma\delta$ T cells in a mouse model of psoriasis
- 82 **Uet Yu**, 1313, Herpes simplex virus (HSV) attracts resident $\gamma\delta$ T cells to the epidermal and dermal junction of human neonatal skin.

Neuroimmunology

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- 83 **Amar Daud Iskandar Abdullah**, 4647, STING modulates neuro-inflammation in acute neural injury.
- 84 **April Huseby Kelcher**, 4262, Transgenic expression of H-2Db class I molecules influences the development of brain atrophy during picornavirus infection
- 85 **Emma rathbone**, 1902, Characterising B cells in Multiple Sclerosis
- 86 **Foozhan Tahmasebinia**, 291, Effects of Clioquinol on the aggregation of Beta-Amyloid peptides in the presence and absence of metal ions and astrocyte-mediated inflammation
- 87 **Gabriel Arellano**, 1977, Protective role of interferon-gamma during the chronic phase of experimental autoimmune encephalomyelitis
- 88 **Hee-Jong Woo**, 1385, Differentially expressed genes in iron-induced prion protein conversion
- 89 **Helena Mareckova**, 3102, Immunological markers as risk factors in clinically isolated syndrome (MS)
- 90 **Jacqueline Orian**, 3868, Distinct cytokine profiles differentially induce white and grey matter inflammation in the experimental autoimmune encephalomyelitis model of multiple sclerosis
- 91 **Jing Wun Chen**, 2302, To investigate the immunological role of chemokine decoy receptor ACKR2 in experimental autoimmune encephalomyelitis
- 92 **Joon Keit Loi**, 2733, Adrenoreceptor signalling influences T cell responses during viral infection
- 93 **Juan Tichauer**, 1978, Tolerogenic activity of IFN- γ on macrophages/microglia in experimental autoimmune encephalomyelitis
- 94 **Judith Greer**, 3830, Functional effects of antibodies specific for myelin proteolipid protein in multiple sclerosis
- 95 **Kunikazu Tanji**, 3157, Trehalose administration inhibits inflammatory responses in the brain of Lewy body disease model mice
- 96 **Minako Ito**, 2226, Role of T cells accumulated in the brain at the late onset of stroke.
- 97 **Ming-Hong Lin**, 3041, Blimp-1 deficiency exacerbates experimental autoimmune encephalomyelitis in mice by impairing the suppressive function of Treg cells and enhancing the encephalogenicity of Th1 cells
- 98 **Mohammad Mohammad**, 661, A choroid-forebrain-lymphatic pathway for the maintenance of CNS immune tolerance
- 99 **Nien-Jung Chen**, 1024, TREM-2 promotes amyloid plaque formation and modulates microglia oxidative stress adaptation in an experimental Alzheimer's disease mouse model
- 100 **Nikki Templeton**, 1801, Behavioural and cellular effects of immunomodulatory compounds in the cuprizone model
- 101 **Patricia Martins**, 136, Mast cell-nerve interactions in the colonic mucosal of Trypanosoma cruzi-infected individuals with chagasic megacolon
- 102 **Renee Berry**, 2993, Neuromyelitis Optica Spectrum Disorder: A Patient with a Symptomatic Third Ventricular Floor Lesion, Anti-Aquaporin-4 Antibodies and Remission with Methotrexate
- 103 **Samantha Dando**, 4470, Immunophenotypic studies in transgenic reporter mice reveal that the uveal tract, but not the neural retina, contains populations of resident dendritic cells
- 104 **Samantha Dando**, 4689, Immune privilege in the central nervous system revisited: are there dendritic cells in the brain?
- 105 **Samita Andreansky**, 4752, Infection driven inflammation severely attenuates influenza specific immunity in a chronic model of spinal cord injury
- 106 **Shu Zhang**, 68, Brain mast cells evoke central nervous system inflammation by inducing microglial activation
- 107 **Tatiana Barichello**, 3360, Attenuation of pro-inflammatory parameters and memory impairment by erythropoietin in experimental pneumococcal meningitis
- 108 **Yasunobu Arima**, 4229, Pain is an inducer for relapse in multiple sclerosis models via the sensory-sympathetic nerve activation
- 109 **Zhigang Tian**, 1810, Intrahepatic development of liver-resident NK cells

NK Cells

Level 1 (via escalator 1), 1530 - 1630

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- 110 **Anthony Jaworowski**, 3840, Expansion of adaptive NK cells in HIV disease persists following combination antiretroviral therapy
- 111 **Dongyan Shao**, 1673, Effects of Resveratrol on cytotoxicity of human NK cells in vitro
- 112 **Fernando Guimarães**, 2569, Ascites containing ovarian cancer cells impair NK cells functionality and hinder their activation after IL-2 stimulation
- 113 **Gunnur Deniz**, 3942, Natural Killer Activating Receptors in Behcet Disease
- 114 **Guoshuai Cao**, 2347, Tumor therapeutics work as stress inducers to enhance tumor sensitivity to NK cell cytotoxicity by upregulating NKp30 ligand B7-H6
- 115 **Hiroshi Ichise**, 2722, HLA haplotype homozygous iPSC-derived cells can be rejected by haploidentical recipient in NK cell dependent manner.
- 116 **Jian Zhang**, 1846, MiR-146a Negatively Regulates NK Cell Functions via STAT1 Signaling
- 117 **Ling Tang**, 1020, Differential phenotypic and functional properties of liver-resident NK cells and mucosal ILC1s
- 118 **Luke Maggs**, 2826, The Role of Natural Killer Cells in Graft versus Leukaemia Following T Cell Deplete Allogeneic Stem Transplant
- 119 **MARIA CARMEN MOLINA**, 3098, Heat killed Helicobacter pylori increases NK cell cytotoxicity through induction of NKG2DL surface expression on gastric adenocarcinoma cells
- 120 **Naomi Truong**, 1361, Characterising natural killer cell subset responses to a Herpes Simplex Virus (HSV) lipopeptide
- 121 **Richter Anne**, 3996, Flow cytometric multicolor NK cell phenotyping as a potential tool for donor selection and NK cell reconstitution analysis in different hematopoietic stem cell transplantation setups
- 122 **Samantha Johnston**, 1444, Natural killer cytotoxicity and single nucleotide polymorphisms in transient receptor potential ion channels and acetylcholine receptors of isolated natural killer cells in chronic fatigue syndrome
- 123 **Sofya Erokhina**, 3577, Generation, characterization and functional analysis of HLA-DR-positive NK cells
- 124 **THAO NGUYEN**, 76, Killer cell immunoglobulin-like receptor genes and allelic polymorphism from natural killer cells in chronic fatigue syndrome/myalgic encephalomyelitis patients
- 125 **THAO NGUYEN**, 77, ERK1/2 significantly reduced in CD56dim-CD16+ NK cells from chronic fatigue syndrome/myalgic encephalomyelitis patients
- 126 **THAO NGUYEN**, 78, MAPK signalling and NK cell cytokine production in chronic fatigue syndrome/myalgic encephalomyelitis patients
- 127 **Wataru Oboshi**, 161, SNPs rs4656317 and rs12071048 located within an enhancer in FCGR3A are in strong linkage disequilibrium with SNP rs396991 and influence ADCC by transcriptional regulation
- 128 **Wei Chen**, 4593, Deficiency of autophagy resulted in high cytotoxicity activity and strong anti-tumor effect in NK (natural killer cells).
- 1369 **Andrea Ziblat**, 2844, IL-23 promotes NK cell activation and IFN- γ secretion
- 1382 **Sol Yanel Nuñez**, 2849, The interaction of alternatively activated (M2) macrophages and NK cells result in a negative modulation of NK cell activation and effector functions
- 1389 **Sang-jun Ha**, 1369, Enhancement of NK Cell-mediated Cytotoxicity during Chronic Virus Infection

NKT Cells

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- 129 **Adrian Gemiaro**, 2755, Increase in NKT cell numbers protects mice from central nervous system autoimmunity
130 **ALAN BAXTER**, 3378, Role of killer-associated protein NKG7 in NK and NKT cells
131 **Jing-Rong Huang**, 3278, Phenyl Glycolipids with Different Glycosyl Groups Exhibit Marked Differences in Murine and Human iNKT Cell Activation
132 **Joshua Vieth**, 4307, Induction of adipocyte resident NKT cells can be instructed by non ligand-binding motifs of the TCR γ chain
133 **Maia Inoue**, 2274, A novel epigenetic regulator of early NKT cell development
134 **Masaki Terabe**, 967, Characterization of sulfatide-reactive type II NKT cells in mouse lungs
135 **Pin Shie Quah**, 1404, TAC1 is required for maintaining the numbers and functions of invariant NKT (iNKT) cells
136 **Shi-Chuen Miaw**, 2774, c-Maf Positively Regulates IL-17A Production in Invariant NKT Cells
137 **Ya-Hui Chuang**, 1507, Repeated activation of lung invariant NKT cells results in chronic obstructive pulmonary disease-like symptoms
138 **Yi Li**, 3403, CD1d-dependent lipid antagonist DPPE-PEG attenuates atherosclerosis

Tumour Immunology

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- 139 **Adrielle Veloso Caixeta**, 4020, Characterization of the antitumor and immunomodulatory properties of new HDAC inhibitors as targeted anti-cancer drugs
140 **Alistair Cook**, 1400, Tumour resection in patients with non-small cell lung cancer does not modulate the adaptive immune system in a systemic manner
141 **Amanda Costa**, 4751, Killed Klebsiella pneumoniae activates an organ-specific innate immune response to reduce tumor burden
142 **Andreas Behren**, 3860, Immune escape in primary melanoma
143 **Archana Bhatnagar**, 1816, Regulatory T Cells In Experimental Colon Carcinoma: Effect of differential ratios of fish oil and corn oil
144 **Ashleigh Unsworth**, 2161, Immunophenotyping breast tissue for the identification of new immune-therapeutic targets for breast cancer
145 **Barbara Dillinger**, 1422, IFN- γ exposure augments immunoinhibition caused by ganglioside enrichment of dendritic cells
146 **Bianca von Scheidt**, 2402, Transgenic CAR mice for Cancer Immunotherapy
147 **Bladimiro Rincon-Orozco**, 4238, System-level effects of ectopic Galectin-7 reconstitution in cervical cancer and their microenvironment
148 **Branislava Stankovic**, 3062, Immune Cell Composition in Human Non-Small Cell Lung Cancer
149 **Candani (Dani) Tutuka**, 3279, Distribution of the Potential Target for Immunotherapy BTN2A1 in Cancer and Normal Tissues
150 **Changping Wu**, 670, Reduction of gastric cancer proliferation and invasion by miR-15a mediated suppression of Bmi-1 translation
151 **Chareeporn Akekawatchai**, 2022, High-dose vitamin C modulates CXCR4/CXCR7/CXCL12 chemokine receptor/ligand axis in MDA-MB-231 breast cancer cells.
152 **Chen Chang-Jung**, 4663, The role of NADPH oxidase 2 on M2 tumor-associated macrophages differentiation in pancreatic cancer progression
153 **Chenqi Xu**, 3565, Modulating T-cell cholesterol metabolism to treat cancer
154 **Christina Salmon**, 1316, Immunotherapy of solid tumours using Complete Freund's Adjuvant
155 **Chunhong Ma**, 1921, Tim-3, a negative player in liver tumor microenvironment
156 **Connie Duong**, 3447, The impact of microbiota on the efficacy of immune checkpoint blockade.
157 **Cruz Pamela**, 704, Transmissible cancers and the immunogenic role of Trypanosoma cruzi calreticulin
158 **Dong Sun Oh**, 3194, The critical role of macroautophagy for MHC class II presentation of tumor antigens by dendritic cells
159 **Dong Wang**, 1716, Autologous bone marrow Th cells can support multiple myeloma cell proliferation in vitro and in vivo
160 **Dongyan Shao**, 1002, Inhibitory activity and major effective compounds of the products converted from glucose by Phomopsis sp. XP-8 resting cells
161 **Emelie Radestad**, 4044, Tumor-Infiltrating T-cells of Ovarian Cancer Express Markers Associated With Functional Impairment
162 **Emma Victoria Petley**, 2680, Assessment of checkpoint blockade combined with NKT cell-dependent glycolipid-peptide vaccines.
163 **Erin Andrew**, 1318, Immune infiltrates in murine solid tumour models treated with bacterial based cancer immunotherapies.
164 **Erin Andrew**, 1767, Simple and effective tumour immunotherapy using intratumoural Complete Freund's Adjuvant.
165 **Flavio salazar-onfray**, 1456, Cancer vaccine design based on tumor cell lysates and adjuvants
166 **gabriella pietra**, 3706, Effect of new oncogene-targeted therapies on NK cell function
167 **Geir Hetland**, 2806, AndosanTM extract of the immunomodulating and antitumor mushroom Agaricus blazei, protects against development of intestinal cancer in the APC Min^{+/-} mouse model for colorectal cancer.
168 **Gunnur Deniz**, 3752, Pediatric B- and T-ALL Minimal Residual Disease Levels in Turkey
169 **haiting Mao**, 1314, CTLA-4 positive breast cancer cells inhibit dendritic cells function and the reverse effect of anti-CTLA-4 antibody therapy
170 **Henn Sarah Jessica**, 4512, Characterization of immune cell phenotypes in response to Ras activation in the mouse intestinal epithelium
171 **Ho Lam Fong**, 2320, Significance of INHBA expression in EBV-infected nasopharyngeal carcinoma
172 **Hook Sarah**, 730, Chitosan hydrogel vaccine generates CD8⁺ T cell memory protective in a mouse tumour model of colorectal cancer
173 **Hua Wang**, 4545, Myeloid STAT3 promotes hepatocarcinogenesis by inactivating natural killer T cells
174 **Hyun-il Cho**, 2618, Zoledronic acid induces dose-dependent increase of antigen-specific CD8 T-cell responses in combination with peptide/poly-IC vaccine
175 **Ioannis Morianos**, 2441, Activin-A potentiates anti-tumor immunity and protects against lung cancer progression in vivo.
176 **Irene Soncin**, 2821, Role of intestinal CD103⁺CD11b⁻ dendritic cells in colorectal cancer
177 **Jai Rautela**, 4359, Type I interferon agonists as potent anti-metastatic cancer therapeutics
178 **Jantine Bakema**, 1180, Antibodies pay Toll to improve their therapeutic efficacy: Improving antibody-mediated anti-cancer treatment via co-activation of Fc-receptors and Toll-like receptors.
179 **Jarek Baran**, 806, Lactococcus lactis as a new vehicle in delivering tumoricidal recombinant human protein Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand (TRAIL)
180 **Jenée Mitchell**, 1224, The role of T cells in the immune regulation of Langerhans cell histiocytosis (LCH)
181 **Jennifer Bridge**, 1203, Novel regulators of CD8⁺ T-cell functions in the skin
182 **Jingtao Chen**, 2661, Eliciting Regression by Combination of Therapeutic Vaccine STDENVANT and PD-L1 Blockade in a glioma mouse model
183 **Jingting Jiang**, 855, PD-1 blockade boosts radiofrequency ablation-elicited adaptive immune responses against tumor
184 **Joanna Mathy**, 3936, Heterogeneity of immune response within single melanoma metastases
185 **Jonathan Chee**, 2163, T cell phenotype and receptor expression in pleural effusions associated with malignant mesothelioma
186 **Jong-Seok Lim**, 3298, Inhibition of Osteoclast Differentiation by NDRG2 Expression in Breast Cancer Cells
187 **jun ai**, 4518, Expression of OCT4 and EMT-associated factors in invasive breast cancer and its relationship with clinicopathological features and prognosis

188 **Kang Suk-Jo**, 2401, Emergence of a neutrophil precursor population that serves as granulocytic myeloid-derived suppressor cells in cancer

189 **Kaori Denda-Nagai**, 638, Immunization with glycosylated-MUC1 induces effective humoral responses and suppression of MUC1-expressing carcinoma growth and metastasis

190 **Karen Hastings**, 1986, Gamma-interferon-inducible lysosomal thiol reductase is upregulated in human melanoma and halo nevi

191 **Karla Wiehagen**, 4762, Mechanisms of Response and Resistance to Checkpoint Blockade in Models of Murine Colorectal Carcinoma.

192 **Kazuhito Ishii**, 1366, Extracellular pH and hypoxia affect on the function and development of antigen-specific cytotoxic T lymphocytes

193 **Kellie Mouchemore**, 2747, Neutrophils as therapeutic targets in metastatic breast cancer

194 **Kenji Ina**, 2400, The association of lentinan with PD-1/ PD-L1 axis in gastric cancer

195 **Lifen Gao**, 1850, The novel function of immunoregulatory molecule TIM-4 in non-small-cell lung cancer development

196 **Lih Tan**, 1800, The Role of Vasculogenic Mimicry Vessels in Mediating Leukocyte Recruitment to Melanomas

197 **Lihui Han**, 1099, Loss of AIM2 expression promotes hepatocarcinoma progression through activation of mTOR-S6K1 pathway

198 **Li-Rung Huang**, 3198, Metabolic reprogramming of myeloid cells during tumor progression

199 **Liting Jia**, 4351, MIR-200C REGULATES MIGRATION OF BREAST CANCER CELL BT549 BY TARGETING SLUG

200 **Li-Wha Wu**, 660, Up-regulated S100A9 in stroma functions as an early recurrence marker for early-stage oral cancer patients through increased tumor invasiveness, angiogenesis, macrophage recruitment and IL-6 expression

201 **Luis Avila**, 2217, Mesenchymal stromal cells derived from cervical cancer tumors induce an increase of CD73 expression in cervical cancer cells

202 **ma simin**, 2224, HBV infection promotes proliferation, migration and invasion of hepatocellular carcinoma via the regulation of miR-181a/362 by targeting HSPA5

203 **Manoj Mishra**, 304, Role of immune cells in prostate cancer development and clearance

204 **María Gabriela Lombardi**, 532, The production of cytokines induced by breast tumor antigens in dendritic cells is modulated by cholinergic activation

205 **Marija Mojic**, 3854, Time-scale analysis of interplay between occult immunogenic tumor and immune response

206 **Mayumi Saito**, 2045, Immunological Markers of Persistence & Regression in Cervical Intraepithelial Neoplasia Grade 2 in Women under 25

207 **McArdle Stephanie E**, 4482, Prebiotic supplement effect on the response to a mutated PAP-derived vaccine in old mice

208 **Mehri Barabdi**, 2992, Can IL-25 remove the malignant cells spontaneously? An in vitro evaluation of IL-25 versus IL-17B on breast cancer cell lines

209 **Mei Han**, 4273, The Relationship between tumor associated neutrophils and tumor progression and the mechanism

210 **Melanie McCoy**, 1365, Immune biomarkers of response to chemoradiotherapy in locally advanced rectal cancer

211 **Michele Hoffmann**, 4789, Identification and functionality of paired α TCR sequences shared in human breast cancer T cells

212 **MING-SHIOU JAN**, 605, P. gingivalis-induced inflammation and immunoregulation promote the progression of pancreatic cancer

213 **Minou Baradaran Gavgani**, 3747, Anti-proliferation effects of Scrophularia oxysepala medicinal plant extract on the prostate cancer cell line (PC3)

214 **Mithun Khattar**, 4407, Pre-clinical development of a first-in-class heat shock protein-based personalized cancer vaccine

215 **Monica Neagu**, 514, Cytokine/chemokine pattern in cutaneous melanoma

216 **Naoko Nakano**, 1949, Roles of CD11c+ T cells in anti-tumor immune responses

217 **Nicolas Jacquelot**, 903, Chemokine receptor patterns in lymphocytes mirror metastatic spreading in melanoma

218 **Nicole Haynes**, 2551, Panobinostat can enhance the curative activity of Trastuzumab in anti-HER2 refractory breast tumors by immune mediated mechanisms

219 **Nirmala Chandralega Kampan**, 2119, Blockade of interleukin-6 signaling reduces regulatory T cells in ascites of advanced epithelial ovarian cancer

220 **Paul Beavis**, 323, Adenosine receptor 2A blockade increases the efficacy of anti-PD-1 through enhanced anti-tumor T cell responses

221 **Piotr Kusnierczyk**, 3449, Comparison of the distribution of ERAP1 single nucleotide polymorphisms in non-small cell lung cancer patients and healthy controls in Poland and China

222 **Plinio Reinaldo Hurtado**, 3890, p16 overexpression and high levels of Treg cells in smokers young patients with oropharyngeal cancer

223 **Qing Zhang**, 2334, Blockade of inhibitory receptor TIGIT prevents tumor-induced NK cell exhaustion

224 **Qiuju Han**, 2883, The molecular and immunological mechanism of hepatoma development promoted by HBV-SALL4

225 **Qiuping Zhang**, 606, PEG10 promotes human breast cancer cells proliferation, migration and invasion.

226 **Ramireddy Bommireddy**, 1758, HER-2+ breast cancer cells expressing GPI-anchored cytokines induce long lasting anti-tumor memory response

227 **Ravikumar Aalinkeel**, 2837, Galectin-3 in prostate cancer proliferation and metastasis

228 **razieh zarei**, 265, IL-23, an inflammatory cytokine, decreased by shark cartilage and vitamin A oral treatment in patient with gastric cancer.

229 **Reza Alimohammadi**, 476, MPL adjuvant encapsulated in liposome coated with P5 HER2/neu peptide; a potent prophylactic vaccine for breast cancer

230 **saleh chouaib**, 3629, Targeting tumor hypoxia improves Immunotherapy based on peptide vaccination and immune-checkpoint blockade.

231 **saleh chouaib**, 3716, The induction of autophagy in tumor cells by hypoxic stress and the acquisition to CTL resistance involves the stemness transcription factor NANOG

232 **Sathana Dushyanthen**, 2190, Specific targeting of the RAS/MAPK pathway in combination with immunotherapy promotes anti-tumor immune responses against triple negative breast cancers.

233 **Scott FISHER**, 1315, Combination immune checkpoint blockade as an effective therapy for mesothelioma.

234 **Scott FISHER**, 1371, Targeted depletion of regulatory T cells in solid cancers.

235 **Shirley Shen**, 853, Impaired signalling in T cells from patients with colorectal cancer in response to IL-2 and IL-7.

236 **Sho Miyamoto**, 3379, Anti-tumor CTL effect targeting the ASB4 gene-derived natural peptide presented by HLA-A24 of human colon cancer stem cells

237 **Sotirios Fortis**, 1486, Prognostic relevance of tumor infiltrating immune populations and of circulating miRNAs and cytokines/chemokines in Breast Cancer (BC)

238 **STEPHEN MATHEW**, 1569, Altered expression and function of NK receptors in pediatric Acute Lymphoblastic Leukemia (ALL)

239 **Sugiura Kikuya**, 162, Manipulation of tumor microenvironment by cytokine gene transfection enhances dendritic cell-based immunotherapy

240 **Sun-Young Kim**, 4369, Targeting Endosomal Receptor of Immune cells by Multivalent Polymer Nanocomplex for Enhanced Immunostimulation and Anti-tumor Response

241 **Swapan Ghosh**, 4200, Adjuvanticity and chemo-therapeutic potential of novel Phytol-derived immunoadjuvants

242 **Tatiana Slavyanskaya**, 2397, Diagnostic and prognostic immunobiological markers of bladder cancer N.A. Avdonkina, T.A. Slavyanskaya, S.V. Salnikova Peoples' Friendship University of Russia; Institute of Immunophysiology, Moscow, Rus

243 **Tatsuo Katagiri**, 2873, Polyporus alveolaris extract (PAE) induces anti-tumor activity of RAW264.7 macrophage

244 **Tenielle George**, 3051, Understanding the anti-tumour immune response to melanoma in the brain

245 **Teridah Ernala**, 2429, Difference in proinflammatory response induced by Newcastle disease virus in tumor and normal cells contributes to tumor-specific cytotoxicity

246 **Tobias Meredith**, 3838, The Regulatory Effects of NKT and MAIT cells in cancer

247 **Tom Witkowski**, 3790, TCR beta sequencing to determine clonal T-cell populations in melanoma patients undergoing immunotherapy

248 **Tomomitsu Miyagaki**, 333, Vascular Endothelial Growth Factor-A and Placental Growth Factor Regulate Tumor Progression Via Increased Vasculature in Cutaneous T cell Lymphoma

249 **Vianey Gutierrez**, 1730, High expression of Ecto-nucleotidases CD39-CD73, A2A-A2B adenosine receptors and IL-10 is associated with HLA class I downregulation in advanced cervical cancer.

250 **Wayne Aston**, 1415, Cancer Chemo Immunotherapy – Exploiting the Immunogenic Potential of Cytotoxic Chemotherapy

251 **wei zhu**, 4562, IL-15 derived from gastric cancer mesenchymal stem cell involved in the progression of gastric cancer

252 **Wen-Jye Lin**, 2876, Molecular mechanisms of DUSP22 ablation in enhancing EGFR-mediated lung tumor development: potential involvement of immunosuppression

253 **Winnie Tong**, 3691, T-cells in the anal mucosa of men with high-grade squamous intraepithelial lesions

254 **Xiao-Jun Li**, 1018, Effects of upregulation of Id3 in human lung adenocarcinoma Q1 cells on proliferation, apoptosis, mobility and tumorigenicity
255 **Xuehua Chen**, 2275, Hepatocyte growth factor activates stromal fibroblasts to promote tumorigenesis in gastric cancer
256 **Xuzhi(Jessica) He**, 192, Preclinical modeling of EGFR-specific mAb and immune pathways that impact immunotherapies for squamous cell carcinoma
257 **yannick SIMONI**, 1503, Overview of T cells populations in human colorectal cancer by single cells analysis
258 **Yasuhiro Yoshida**, 1680, Caspase-1 is involved in drug resistance to triterpenoid anticancer drug in adult T-cell leukemia
259 **Yosuke Minoda**, 3189, Identification and quantification of innate like T cells in patients with cancer
260 **Zengtao Wei**, 2492, Epac1 knockdown inhibits the proliferation of serous ovarian carcinoma cells by inactivating AKT/CyclinD1/CDK4 pathway in vitro and in vivo
261 **Zhaoliang Su**, 754, N-glycosylation HMGB1 Preferentially Promoted M-MDSCs Expansion via Driving Differentiation from Bone Marrow, contributing conversion of monocytes into MDSC-like cells and Facilitated Breast Cancer Progression
262 **Zsuzsanna Tabi**, 917, Opposing effects of the adenosine/PGE2/cAMP vs. STAT3 pathways on CD73 expression on human tumour-associated monocytes
1360 **Nelson Delia**, 2573, Human mesothelioma induces defects in dendritic cell numbers and antigen processing function which predict survival outcomes
1372 **Erin Andrew**, 1767, Simple and effective tumour immunotherapy using intratumoural Complete Freund´s Adjuvant.
1380 **Lina Lim Hsiu Kim**, 4696, Interaction Between Breast Cancer Cells and Microglia in the Microenvironment of Brain Metastasis
1393 **Elena Lo Presti**, 3562, Characterization of infiltrating and circulating $\gamma\delta$ T cells and Treg in Non Melanoma Skin Cancer
1394 **Sajad Bhat**, 947, Notch and TCR signaling modulate the effector functions of human Gamma Delta T cells
1399 **Xiangliang Deng**, 4640, LBP3 Enhanced Antitumor Immune Responses partly via Releasing the Brakes of Immunosuppression in the Tumor Microenvironment of H22 tumor-bearing mice
1401 **Fermín González**, 3611, Eukaryotic translation initiation factor 4E and Annexin A4 induce CCR7 expression on human dendritic cells used in immunotherapy
1407 **Richard Caspell**, 2462 A multi-color Natural Killer-cell mediated cytotoxicity detection of tumor cells using fluorescence and direct cell imaging

Complement

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 263 **Annabelle Small**, 2871, Complement Receptor Immunoglobulin (CRIg) and Adaptive Immunity: Regulation of Expression in Human Dendritic Cells by Cytokines
- 264 **Daniel Herbert Opi**, 766, The role of complement in antibody-mediated immunity against malaria in pregnancy
- 265 **Hiroshi Nishiura**, 4314, A sjogren's syndrome-like condition in Gln137Gly mutant RP S19 gene knocked-in C57BL/6J female mice
- 266 **Jose Sarmiento**, 4073, Long-term effects of gestational chronodisruption on the complement system: a novel determinant of allergy in the adulthood?
- 267 **Rui Li**, 2177, The complement C5a receptor, C5aR2 contributes to motor deficits in mouse models of Huntington's and Parkinson's disease
- 268 **Sheila Cabezas**, 450, Factor B and factor H dysregulation during dengue virus infection: in vitro and in vivo evidence
- 269 **Simon Freeley**, 1727, The lysosomal cysteine protease legumain is required for normal Th1 induction in vitro
- 270 **Viviana Ferreira**, 2036, Role of factor H and effects of C-terminal mutations on control of human platelet/granulocyte aggregate formation
- 271 **Wuding Zhou**, 1975, Pathogenic role for C5aR1 in chronic inflammation and renal fibrosis in a murine model of chronic pyelonephritis

Cytokines, Interferons & Inflammation

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 272 **Alexis Perros**, 985, Transfusion-related immunomodulation: Importance of cell-to-cell interactions in studying underlying mechanisms
- 273 **Antonio Cabrera de León**, 1592, Serum lipid and cytokines profile in the initial and advanced insulin resistance.
- 274 **Antonio Cabrera de León**, 1972, Serum resistin and physical activity in the general population.
- 275 **areum park**, 779, Aberrant TDP-43 expression is related to obesity.
- 276 **Athira K V**, 1464, Vorinostat ameliorates repeated corticosterone-induced depressive-like behavior in mice: Implication of stress paradigm on neuroinflammation
- 277 **Aurelia Walczak-Drzewiecka**, 920, Hypoxia mediated changes in human mast cell profile of genetic expression
- 278 **Changlian Zhu**, 1825, Inhibition of autophagy reduces irradiation-induced inflammation in cerebellum in the immature mouse brain
- 279 **Cheng-Chin Kuo**, 1789, Toll-like receptor 2 promotes vascular calcification via the chondrogenic transdifferentiation of vascular smooth muscle cells
- 280 **Chieh Lin**, 3430, Lfc attenuates tumorigenesis during colitis-associated cancer
- 281 **Chih Mei Cheng**, 1342, Proinflammatory cytokines induced by gastric fluid aspiration in GERD (Gastro Esophageal Reflux Disease) and pulmonary fibroblast differentiation
- 282 **Chuen-Miin Leu**, 2194, The possible mechanism by which MicroRNA-122 controls inflammation in mice
- 283 **Csongor Kiss**, 935, Salivary expression of dysregulated immune/inflammatory genes provides a useful set of biomarkers in detection of oral cavity squamous cell carcinoma
- 284 **Deepthi Venugopal**, 3052, Functional interactions of IL6 and CHRFAM7A genes in schizophrenia pathogenesis
- 285 **Dong-Kwon Rhee**, 2866, Modulation of immune system by Korean red ginseng via potentiation of cell survival and inhibition of inflammation in pneumococcal infection
- 286 **Ee Shan Pang**, 1265, Characterising the Effects of Interferon Lambda on Dendritic Cells
- 287 **Emily McNaughton**, 297, Novel anti-inflammatory peptides based on chemokines
- 288 **Eunhye Lee**, 778, ZNF19 Acts as a Transcription Factor to Direct the Expression of Sustained Inflammatory Genes
- 289 **Eveline De Geus**, 2041, Characterization of Interferon-ε expression in mouse mucosal and non-mucosal tissues
- 290 **Evelyn Tsantikos**, 1011, The role of G-CSF in Chronic Obstructive Pulmonary Disease
- 291 **Fabiola Sanchez**, 4159, Galectin 8 present in conditioned media from breast cancer cells induces increased microvascular permeability via nitric oxide and S-nitrosylation of p120
- 292 **Fernando Pereira Beserra**, 1149, Modulation of pro- and anti-inflammatory cytokines contribute to the healing effect of the triterpene lupeol in cutaneous wounds in rats
- 293 **Francois Niyonsaba**, 2530, Antimicrobial peptide derived from IGFBP-5 (AMP-IBP5) stimulates normal human keratinocytes beyond direct antimicrobial properties
- 294 **Francois Niyonsaba**, 2534, An angiogenic peptide AG-30/5C, stimulates various functions of human mast cells
- 295 **Goksal Keskin**, 1929, INVESTIGATING THE ROLE OF IL-33 IN THE PATHOGENESIS OF BEHÇET'S DİSEASE
- 296 **Gustavo Monasterio**, 2554, Pro-inflammatory cytokine and RANKL profile and osteoclast induction by osteoarthritic TMJs synovial fluid.
- 297 **Heather Lynch**, 1581, Luminex assay manufacturer-based disparity in biomarker concentrations reported in the EQAPOL proficiency program.
- 298 **Hsun Yu Huang**, 3507, A study of the role of autophagy and hypoxia in human inflammatory periapical lesions
- 299 **HSUN-YI HUANG**, 3472, Gamma-Aminobutyric acid alleviates the chronic kidney disease progression and renal inflammation
- 300 **Huapeng Fan**, 3207, Glucocorticoid-Induced Leucine Zipper Regulates Inflammation And Immunosuppression Through Its Acetylation
- 301 **Hye in Ka**, 2763, NNAT plays an anti-inflammatory function in adipose tissue
- 302 **Hyoun-Ah Kim**, 1660, Elevated high mobility group B1 levels in active adult-onset Still's disease associated with systemic score and skin rash
- 303 **Hyunjin Cho**, 2620, The Role of IL-33 in the Molecular Biology of Rosacea in Keratinocytes
- 304 **Jin-Won Seo**, 2414, Neutrophil extracellular traps (NETs) formation mediated by oxidized LDL (oxLDL) initiates lipid accumulation in early atherosclerotic plaque
- 305 **JOSEPHINE HINNEH**, 1773, The proinflammatory role of matrix metalloproteinase-2 in chronic obstructive pulmonary disease.
- 306 **Kalil Jorge**, 3624, Potential involvement of MICA (Major Histocompatibility Class I-related Chain A) in the pathogenesis of endometriosis
- 307 **Katarzyna Zorena**, 4488, Leptin and resistin are not useful markers to predict the risk of vascular complications in type 2 diabetes mellitus
- 308 **Kazuo Okamoto**, 3883, Regulation of Jak-Stat signaling pathway by an EF-hand motif protein
- 309 **Kurosh Kalantar**, 601, In vitro Comparison of 18α-Glycyrrhizin, Silymarin and Silybin A on Activated Human Hepatic Stellate Cells
- 310 **Lilian Cha**, 1275, B-cell abnormalities in HIV disease are associated with increased Interferon-α activity
- 311 **Liliya Solomatina**, 4739, The indicators of systemic inflammation in patients with end-stage renal disease (ESRD), receiving different types of renal replacement therapy.
- 312 **Lindsay Kosack**, 2555, Superoxide Dismutase 1 Protects Hepatocytes from Type I Interferon-Driven Oxidative Damage
- 313 **Li-Shian Shi**, 1635, Therapeutic Effect of Oleaceae spp. ethanol extract on the IBD model
- 314 **MARIA CRISTINA DE VERA MUDRY**, 2645, Role of IL-5 in IL-33-induced inflammation
- 315 **Masashi Ohtani**, 3918, The role of mTORC1 in skin irritant croton oil-induced cytokine expression by mouse keratinocytes.
- 316 **Meilang Xue**, 3763, Activated protein C inhibits rheumatoid synovial fibroblast invasion and prevents inflammatory arthritis in mouse models
- 317 **Michael Gantier**, 2244, Type-I Interferon dependent degradation of microRNA isoforms in mouse macrophages
- 318 **Michael Myers**, 2679, Impact of a Nonsteroidal Anti-inflammatory Drug (NSAID) on Serum MCP1 & Clinical Observations during Lipopolysaccharide (LPS) Induced inflammation in Swine
- 319 **Mizuho Nosaka**, 1397, Absence of CCR5 axis exaggerates thrombus formation through reduced uPA and tPA expression in murine DVT model

- 320 **Munoz Marcia A**, 4413, Mevalonate kinase deficiency leads to decreased prenylation of Rab GTPases
- 321 **Nagarkatti Prakash**, 4579, Epigenetic-Immunological Axis of Resveratrol-mediated Amelioration of Acute Lung Injury
- 322 **Nandakumar Dalavaikodihalli Nanjaiah**, 3296, TNF- α -MEK-ERK1/2 signaling contributes to invasiveness of U87MG glioblastoma cells
- 323 **Naoko Watanabe**, 3921, Suppression of cutaneous inflammatory reactions by oral administration of whole dihydro- γ -linolenic acid-producing *Saccharomyces cerevisiae*
- 324 **Niamh Mangan**, 4671, Type I Interferons in the Regulation of Mucosal Immune Responses in the Female Reproductive Tract
- 325 **Nicholas Geraghty**, 1074, The role of the P2X7 receptor in an imiquimod-induced psoriasis-like mouse model
- 326 **Nollaig Bourke**, 4500, Characterising the novel regulation and function of interferon epsilon in the female reproductive tract
- 327 **Odette Shaw**, 1008, Identifying the role of fruit phytochemicals in modulating allergen-induced lung inflammation
- 328 **Pu Li**, 2251, MicroRNAs mediate the crosstalk between the cytokines prostaglandin E2/IL-6 in the inflammatory tumor microenvironment
- 329 **qingliang zheng**, 4519, Siglec1 feedback suppresses antiviral innate immune response by inducing TBK1 degradation via the ubiquitin ligase TRIM27
- 330 **Rachael Ryan**, 3096, Exploring the Immunosuppressive Potential of Venom-Derived Molecules
- 331 **Randle Gallucci**, 4197, IL-6 deficiency results in specific cytokine responses in a mouse model of irritant contact dermatitis
- 332 **Rocio Jimenez-Martinez**, 869, Investigating venom-derived molecules that augment human immune function
- 333 **Sabine Le Gouvello**, 958, Cigarette smoke induces mtROS-dependent senescence of CD4+ Th17 lymphocytes.
- 334 **Sang-Heon Lee**, 4724, Macrophage migration inhibitory factor could be involved in early inflammatory phase of gouty arthritis
- 335 **Sebastian Stifter**, 1320, Functional interplay between Type I and II Interferons is essential to limit influenza A virus-induced tissue inflammation
- 336 **Shin-Huei Fu**, 4733, Disruption of TNF Receptor Assembly Elicits an IL-27 Response to Suppress TH17-Mediated Experimental Colitis in an IL-10-Dependent Manner
- 337 **Siti Sarah Fazalul Rahiman**, 4508, Peripheral kappa-opioid receptor (KOR) stimulation exerts anti-inflammatory effects in lipopolysaccharide (LPS)-activated macrophages
- 338 **Song-Ja Kim**, 1032, PEP-1-SIRT2 causes COX-2 expression via the MAPK pathways in rabbit articular chondrocytes
- 339 **Stepan Podzimek**, 1122, Proinflammatory cytokines production and metal hypersensitivity in patients with failed orthopedic implants
- 340 **Steven Maltby**, 744, Virus Infections Impact Structural Bone Cell Populations
- 341 **Takahiro Kageyama**, 2488, Role of IL-21 in the development of autoimmune myositis
- 342 **Talat Roome**, 1096, Opuntiol/Opuntioside-I: A novel suppressor of cytokine, chemokine and lipid mediators in in-vivo and in-vitro inflammatory models
- 343 **TARO YASUMA**, 3470, The effect of glomerulus specific over-expression of TGF- β 1 in streptozotocin-induced diabetic mouse model
- 344 **TATJANA ZAHAROV**, 2340, Discriminating Between IDA and ACD using TfR as Indicators of Iron Status and oxidative balance
- 345 **TATJANA ZAHAROV**, 2344, Interplay between the pro-oxidant and antioxidant systems (AOS) in relation to iron homeostasis (IH)
- 346 **TATJANA ZAHAROV**, 2350, Changes in cellular iron metabolism (CIM) during chronic inflammatory states (CIS) leading to iron sequestration manifesting as the anemia of chronic disease (ACD)
- 347 **Tonyia Eaves-Pyles**, 2026, The role of gut-derived flagellin following burn injury.
- 348 **Trai Ming Yeh**, 211, Macrophage migration inhibitory factor-induced autophagy is involved in thrombin mediated endothelial cell hyperpermeability
- 349 **Tsai-Ching Hsu**, 3165, The Effect of Parvoviridae VP1 unique Region in H9c2 Cardiomyocytes
- 350 **Valerie Marcano**, 2381, Clinicopathologic Evaluation of Chickens Infected with a Recombinant Virulent Clone of Newcastle Disease Virus Containing an Insert for IL-4 Expression
- 351 **Vijay Kumar**, 545, EphA2KO mice survive longer in a mouse model of sepsis
- 352 **Vyoma Patel**, 451, Monocyte inflammatory profile differs between individuals, and altered lipid levels may partly contribute to these differences
- 353 **Xin Xu**, 1538, Prolyl Endopeptidase (PE) Activity in the Immune System of Smoking Mice
- 354 **Yi Liu**, 335, Efficacy of Activated Vitamin D Analogues Paricalcitol for Acute Dextran Sodium Sulfate-Induced Colitis in Mice
- 355 **Yi-Ling Ye**, 1257, The anti-pulmonary fibrotic effect of FMI-1, one phenylethanoid compound from *Osmanthus* spp.
- 356 **Yingwei Wang**, 262, Interleukin-17-induced microRNA-873 contributes to the pathogenesis of experimental autoimmune encephalomyelitis by targeting A20 ubiquitin-editing enzyme
- 357 **Yi-Ting Lin**, 1723, Prevention of Colitis and Colitis-associated Colorectal Cancer by a Novel Small Molecule
- 358 **Young Sang Kim**, 4673, Interleukin-17A promotes the growth and tumorigenicity of CT26 colon cancer cells
- 359 **Yuko OKUYAMA**, 2332, A novel regulator of NF κ B signaling enhances I κ B α ubiquitination and promotes inflammatory disease development
- 360 **Zang Hell Lee**, 210, Potential roles and mechanisms of CXCR3 and TLR4 in response to CXCL10 in rheumatoid arthritis
- 1367 **Christian Moeller-Olsen**, 3512, Differential regulation of human dermal endothelial cells by IL-1 β and TNF α Christian Moeller-Olsen
- 1378 **Zeynep Ozbalkan**, 699, The Importance of Serum Visfatin levels in Behcet's Disease Patients
- 1381 **ERICA MENEZES**, 4213, Immunological biomarkers of virological response in patients with chronic hepatitis C treated with pegylated interferon and ribavirin
- 1386 **Wenlong Lin**, 4605, Raf kinase inhibitor protein mediates intestinal epithelial cell apoptosis and promotes IBDs in humans and mice

Granulocytes

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 361 **Barbara Perez**, 4157, Human neutrophils a new therapeutic target of Tamoxifen.
- 362 **Gabrielle Goldberg**, 3814, Evidence for a key role for neutrophils in rheumatoid arthritis
- 363 **Irina Nesterova**, 1891, THE DIFFERENT TRANSFORMATION OF THE PHENOTYPE CD16+CD11b+ NEUTROPHILIC GRANULOCYTES IN ACUTE VIRAL AND ACUTE BACTERIAL INFECTIONS
- 364 **Ivon Teresa Clara Novak**, 4134, NE, CD80 and CD 86 colocalized in NETs
- 365 **Kensuke Miyake**, 756, Basophils gain the capacity of antigen presentation through the import of MHC class II molecules from dendritic cells
- 366 **Nicole Acuff**, 3352, Tpl2 is required for neutrophil antimicrobial functions and bacterial killing
- 367 **Onur Boyman**, 3715, IL-4 signals hamper neutrophil expansion and migration during infection and inflammation
- 368 **Ramy Ganesan**, 4575, Myocardial Ischemia/Reperfusion injury is mediated by polymorphonuclear neutrophils through direct activation of Phospholipase D (PLD) and mTOR
- 369 **Ryosuke Aihara**, 1688, Identification of molecules critical for neutrophil extracellular trap formation
- 370 **Samantha Johnston**, 1459, Novel characterisation of mast cell phenotypes from peripheral blood mononuclear cells and identification of progenitor and activated mast cell phenotypes in chronic fatigue syndrome
- 371 **Tomoko YAMAGUCHI**, 2746, Control of mast cell differentiation by neuropeptide galanin
- 372 **Yoshida Yasuhiro**, 2590, Particulate matters activated inflammation-induced neutrophils.

Innate Receptors & Inflammasomes

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 373 **Achille Anselmo**, 1139, Expression and function of IL-1R8 (TIR8/SIGIRR), a regulatory member of the IL-1 receptor family in platelets
- 374 **Ae-Kyung Yi**, 1544, Contribution of MyD88 and protein kinase D1 to the pathogenesis of polyarthritis spontaneously occurring in IL-1R antagonist-deficient mice
- 375 **Agampodi Promoda Perera**, 1623, Major role for NLRP3 inflammasome in colitis progression
- 376 **Brunialti Milena Karina Colo**, 1551, Immunophenotyping of monocytes during human sepsis shows impairment of antigen-presentation, a shift towards non-classical differentiation and up-regulation of Fc-immunoglobulin receptor
- 377 **Catherine Diamond**, 4076, Inflammasome-dependent IL-1 β release depends upon membrane permeabilisation
- 378 **Cathy Thornton**, 4032, Salt (sodium chloride) preferentially down-regulates IL-1 β production by gestation-associated tissues
- 379 **Elyce du Mez**, 494, Different TLR ligands exhibit contrasting influences on the adhesive properties of human endothelial cells
- 380 **Federica Riva**, 2636, IL-1R8 DEFICIENCY INCREASES THE SUSCEPTIBILITY OF LPR MICE TO DEVELOP B-CELL LYMPHOMA
- 381 **Felix Toka**, 1713, Phosphorylated tyrosine kinase Syk interacts with ESCRT-0 upon TLR3 activation in murine C8D1A microglial cells
- 382 **Gea Kiewiet**, 2317, Cow's milk hydrolysates modulate Toll-like receptor-mediated activation
- 383 **Gracemary Yap**, 4645, The role of dysregulated TLR signaling in Lung Tumorigenesis
- 384 **Guoliang Zhang**, 2238, The miR-20a-5p regulates M.tb-induced cell apoptosis through targeting JNK2 in human macrophage
- 385 **Irving Allen**, 347, NLRX1 attenuates damage following traumatic brain injury through negatively regulating NF- κ B signaling
- 386 **Jennifer Dowling**, 4493, Mal D96N Provides New Insights into TLR Induced Signal Transduction and Inflammation Independent of MyD88.
- 387 **Jun Wang**, 1806, Membrane-bound lactoferrin modulates the function of human polymorphonuclear leukocytes partially through TLR-4
- 388 **Killenko Garcia**, 2575, ATP stimulated P2X7R enhances IL-1 β secretion during Neisseria gonorrhoeae infection through a NLRP-3 inflammasome independent pathway
- 389 **MARIANA ROMAO-VEIGA**, 3510, Effect of damp in inflammasome generation in monocytes from pregnant women with preeclampsia
- 390 **Nicole Ranson**, 1764, Inflammasomes and Intestinal Inflammation
- 391 **Pablo Pelegrín**, 1164, Early endosome autoantigen 1 controls unconventional caspase-1 release after NLRP3 inflammasome activation
- 392 **Pablo Pelegrín**, 2451, NLRP3-independent caspase-8 activation is involved in IL-1 β release induced by melittin
- 393 **Pépin Geneviève**, 2233, Engagement of functional cGAS-STING signalling in immortalized SV40 mouse embryonic fibroblasts
- 394 **Seok Hee Park**, 2994, Deubiquitinating enzyme USP50 is a critical regulator for NLRP3 inflammasome activation.
- 395 **Suki MY LEE**, 4094, TLR10 as an innate receptor
- 396 **Susan Christo**, 2259, Modulating innate immune responses to biomaterial-induced inflammation
- 397 **Tali Lang**, 3249, Linking MIF and NLRP3 in the pathogenesis of IL-1 dependent inflammatory disorders
- 398 **Tomoko Kurita-Ochiai**, 2985, Involvement of NLRP3 inflammasome in P. gingivalis-accelerated atherosclerosis and periodontal disease
- 399 **Xiang-Yang (Shawn) Wang**, 4725, Dual action of the cytosolic viral sensor MDA-5 in tumor killing and immune modulation triggers type I interferon-dependent antitumor immunity
- 400 **Xoan Hoang Thi**, 2619, All-trans retinoic acid enhances extracellular hsp90a dimerization in human monocytes through RAR/RXR- and Ca²⁺-dependent mechanisms
- 401 **Yan Qi**, 3411, Activin A regulates neutrophil activation via Smad3 pathway
- 1366 **Eduardo Albornoz**, 3525 Paraquat Activates the NLRP3 Inflammasome in Microglia via the NADPH Oxidase Pathway
- 1391 **Reinaldo Salomao**, 1561, Regulation of Inflammasome During Clinical Sepsis: A PCR Array Study

Macrophages

Level 1 (via escalator 1), 1530 - 1630

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- 402 **Akira Nguyen**, 3200, Dynamic changes in gene regulatory networks control subcapsular sinus macrophage fate and function
- 403 **Andrew Fleetwood**, 1268, Porphyromonas gingivalis-derived RgpA-Kgp Complex Activates the Macrophage Urokinase Plasminogen Activator System
- 404 **Antonella Russo**, 2803, Interaction of S100 proteins and the cytoskeleton in phagocytes.
- 405 **Chernykh Elena**, 4472, M2-macrophages for stroke treatment
- 406 **Claudia Gabriela Mitrofan**, 141, The role of the bone morphogenetic proteins 9 and 10 in endothelial inflammation
- 407 **Claudia Stocks**, 1246, The role of zinc in macrophage antimicrobial responses
- 408 **Erika Duan**, 3009, CD11b alveolar macrophage upregulation is a hallmark of acute and chronic inflammatory lung diseases
- 409 **Ito Yutaro**, 4617, The comprehensive understanding of the metabolic profile in RAW264.7 murine macrophage during endotoxin tolerance
- 410 **Javeed Ahmad**, 1994, Intrinsically disordered Mycobacterium tuberculosis Protein PPE37 Induces Proliferation of Tolerogenic Immune Cells and Apoptosis by N and C terminal domains, respectively
- 411 **Jihee Lee Kang**, 2981, Macrophages programmed by apoptotic cells inhibit epithelial-mesenchymal transition in lung alveolar epithelial cells via PGE2, PGD2, and HGF
- 412 **Jihee Lee Kang**, 2989, Mer signaling leads to transactivation of anti-inflammatory target gene arginase 2 of liver X receptor via STAT1 transcription factor in macrophages.
- 413 **Jun Li**, 3046, Immunization of recombinant antigen EpC1 from Echinococcus granulosus on macrophage regulation
- 414 **Kayoko Sato**, 4019, Influenza vaccines induce NF- κ B activations and enhancement of TLR expressions in macrophages
- 415 **Miyoko Matsushima**, 1433, Quercetin Suppressed Imiquimod-Induced Activation of Alveolar Macrophages
- 416 **Miyoko Matsushima**, 1435, Critical Role of Selective Autophagy Adaptor Protein p62 in Quercetin-Induced Nrf2 Activation
- 417 **Pablo Pelegrín**, 1161, Extracellular ATP acting as a danger signal activates the P2X7 receptor in macrophages for the release of a specific secretome
- 418 **Roselind Lam**, 737, Unprimed, M1 and M2 macrophages differentially interact with Porphyromonas gingivalis
- 419 **Scott Read**, 2234, Interferon lambda drives a pro-inflammatory phenotype in macrophages
- 420 **Simon Jackson**, 1092, A Novel Alveolar-Like Macrophage to study Influenza A infection in vitro
- 421 **Simon Shirley**, 1198, Tumours from patients with colorectal cancer may dysregulate gut macrophage function and phenotype
- 422 **Xinying Li**, 3656, Murine Macrophage Phagocytosis of Devil Facial Tumour Disease Cells
- 423 **YAN WU**, 1383, CD169 Identifies an Anti-Tumor Macrophage Subpopulation in Human Hepatocellular Carcinoma
- 424 **Yuko Fujihara**, 4381, Roles of macrophages in transplantation of tissue-engineered cartilage in mice
- 1377 **Aa Noval Ubaedillah**, 3326, Dadih ice cream modulates peritoneal macrophage activity: An experimental study using in vitro model

Metabolism

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 425 **Alexandra Bäcklund**, 697, Accelerated Atherosclerosis in The context of Rheumatoid Arthritis
- 426 **Amanda Borges**, 4764, Correlation between the metabolome and binder of ST2 receptor in chronic periodontics in elderly
- 427 **Binfeng Lu**, 2371, ATF4 reprograms T cell metabolism and control differentiation of T cell subsets
- 428 **Enyuan Cao**, 1889, The impact of intestinal lymph extravasation on adipose tissue function and whole body insulin resistance
- 429 **Fabio Takeo Sato**, 382, Tributyrin attenuate, but do not revert, the metabolic and inflammatory changes associated with obesity through GPR43-dependent and independent mechanisms
- 430 **Gaspard Cretenet**, 4112, Cell surface Glut1 levels distinguish human CD4 and CD8 T lymphocyte subsets with distinct effector functions
- 431 **Helene Kammoun**, 3156, Evidence against a role for NLRP3 – driven inflammation in the db/db mouse model of type 2 diabetes
- 432 **Hidefumi Kojima**, 2764, Glucose and fatty acids in T cell-metabolism and their roles in immune regulation
- 433 **Lukas Tomas**, 3998, A lipid metabolite profile in atherosclerotic plaques associated with increased inflammation and cardiovascular risk
- 434 **Mahmoud Azar**, 3843, Western-type diet induces myelopoiesis and modulates haematopoietic stem cell proliferation
- 435 **Martin Pelletier**, 3330, Metabolic Adaptation of Polymorphonuclear Neutrophils Activated with Pro-Inflammatory Cytokines
- 436 **Masanori Yoshinaga**, 2653, The ribonuclease Regnase-1 plays a role in iron homeostasis and anemia
- 437 **Meihong Deng**, 3334, Hepatic endogenous HMGB1 plays important roles in Non-Alcoholic Fatty Liver Disease
- 438 **Mónica Torres Rojas**, 2250, HIF-1 α stabilization through metabolic hypoxia via glutaminolysis in progressive pulmonary tuberculosis
- 439 **Moustaid-Moussa Naima**, 4447, Adipose Renin Angiotensin System Mediates Fatty Acid-Induced Endoplasmic Reticulum Stress in Adipose tissue
- 440 **Myung-Shin Jeon**, 3295, Glucosamine inhibits CD122 expression through the inhibition of glycolysis pathway in T cells
- 441 **Nigel Francis**, 4023, STAT5 signaling is a key regulator of glycolysis during immediate activation of naive, but not memory CD4+ T-lymphocytes
- 442 **Prue Hart**, 288, UV-irradiation of skin enhances glycolytic flux in bone marrow-differentiated dendritic cells
- 443 **Sasha Larsen**, 4297, Sensitivity to restimulation-induced cell death is linked to glycolytic metabolism in human CD8+ T cells
- 444 **Se-Young Kim**, 2657, Rebamipide Protects Against Atherosclerosis Via Regulation Of Th17/Treg Balance And oxLDL-induced Foam Cells Formation.
- 445 **Sonia Jancar**, 1576, Platelet Activating Factor Receptor in adipose tissue macrophages is associated with anti-inflammatory phenotype and metabolic homeostasis
- 446 **Sonja Valentić**, 3991, NK cells link obesity-induced adipose tissue stress to inflammation and insulin resistance
- 447 **Takumi Kobayashi**, 804, Altered nutrient levels caused by B cell lymphoma leads to dysfunctional natural killer cells
- 448 **TARO YASUMA**, 3475, The effect of matrix metalloproteinase-2 for the islets of streptozotocin-induced diabetic mouse model
- 449 **Yiqian Chen**, 802, Dipeptidyl peptidase 9 enzyme activity alters expression of genes that are important in neonatal immunity, insulin signalling and metabolism
- 450 **Amy Russell**, 1799, T-cells induced by oral gluten challenge in patients with coeliac disease confirm the in vivo effects of gluten hydrolysed by intestinal bacteria from gnotobiotic mice
- 451 **Arnab Bhattacharjee**, 2998, A SAXS based model of a tip pilin protein of Lactobacillus rhamnosus GG: insight in its structural properties
- 452 **Daniel Maddox**, 1307, Nutrition-induced changes in microbiome alter inflammatory airways disease outcome
- 453 **Donald Nyangahu**, 115, Polymyxin B modulation of maternal gut microbiome during pregnancy and lactation alters neonatal immunity
- 454 **Ian Myles**, 3397, Therapeutic Bacterial Transplantation for Atopic Dermatitis
- 455 **Lee Delphine J**, 2846, Differences in the breast ductal fluid microbiome from healthy women vs. women with a history of breast cancer
- 456 **li yuan**, 2305, Circulating microRNA as a biomarker for diagnosis of tuberculosis
- 457 **Lieke van den Elsen**, 3232, Contribution of gut microbial composition to the development of diet-induced metabolic syndrome in BALB/c mice
- 458 **Mitzi Nagarkatti**, 4468, Blockade of CB1 cannabinoid receptor attenuates gut microbiota dysbiosis and inflammation in dietary induced obesity.
- 459 **Nagarkatti Mitzi**, 4539, Deletion of CD44 leading to amelioration of experimental autoimmune encephalomyelitis results in altered gut microbiome profile and short-chain fatty acid production
- 460 **Nagarkatti Prakash**, 4462, Natural dietary indole, indole-3-carbinol, prevents gut microbiota dysbiosis during murine TNBS colitis induction, effectively alleviating colitis associated symptoms.
- 461 **Pei Yu Tang**, 3948, Effects of folate on gut microbiome and intestinal immune responses in AA-induced kidney inflammation model
- 462 **Raksawan Deenonpoe**, 2253, High frequency of Helicobacter pylori infection in opisthorchiasis and its association with advanced periductal fibrosis in liver fluke endemic areas of Thailand
- 463 **Sujoy Bose**, 4676, Altered gut microbiota and resulting immunomodulation is key to alcoholic liver disease pathogenesis: A northeast India based study
- 464 **Timothy Gottschalk**, 2184, A HIGH FIBRE DIET CAN MODULATE HALLMARKS OF INFLAMMATION AND AUTOIMMUNITY CULMINATING IN REDUCED NEPHRITIS IN A MODEL OF SYSTEMIC LUPUS ERYTHEMATOSUS
- 465 **Tomoyo Taniguchi**, 3289, Plasmodium berghei ANKA infection induces intestinal dysbiosis

Mucosal Immunology

Level 1 (via escalator 1), 1530 - 1630

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- 466 **Adam Collison**, 2697, TRAIL regulates egg-allergen induced eosinophilic oesophagitis
- 467 **Alan Hsu**, 2857, Micro-RNA-125a/b Target A20 and MAVS to Promote Inflammatory and Impair Antiviral Responses in Chronic Obstructive Pulmonary Disease
- 468 **Angela Pizzolla**, 1358, Nasal tissue resident memory CD8+ T cells are highly protective against influenza A infection
- 469 **Anneliese Ashhurst**, 1222, CXCR6 deficiency alters the kinetics of acute inflammatory responses to influenza virus and control of chronic Mycobacterium tuberculosis infection
- 470 **Bethany Lee Macleod**, 2069, Immune regulation in the gastrointestinal tract during persistent virus infection
- 471 **Carla Alvarez Rivas**, 285, CCR7 in periodontal lymphoid-like structures formation
- 472 **Catherine Kennedy**, 2169, Investigating the role of Th1 cells in response to infection with the enteric pathogen Citrobacter rodentium.
- 473 **Chandan Mangar**, 3837, Characterisation of CD4+ T Cells in healthy and diseased koalas (Phascolarctos cinereus) using cell-type-specific monoclonal antibodies
- 474 **Clive Gray**, 1732, Increased Langerhan cell counts and elevated chemokine gene expression in foreskins from young men with asymptomatic sexually transmitted infections (STIs).
- 475 **Colby Zaph**, 2505, Regulation of intestinal immune homeostasis by the retinoic acid-responsive transcriptional factor Hypermethylated in cancer 1
- 476 **Dupon Lu**, 2277, Galectin-9 regulate epithelial innate immunity and is essential for intestinal and inflammation
- 477 **Elena Voronov**, 3719, The role of host IL-1 α and the microbiome in acute colitis
- 478 **Estelle Peyroux**, 2102, Dendritic cells from Ankylosing Spondylitis patients show reduced activation in response to stimulation with gut bacteria.
- 479 **Eunju O**, 575, Specification of Peripheral Treg Cells particular to a Commensal Bacterium that Regulates Intestinal Homeostasis
- 480 **Eva E. Waltl**, 2306, Synergetic damaging effect of factors decreasing the respiratory epithelial barrier
- 481 **federica laudisi**, 2308, The polysaccharide Maltodextrin exacerbates intestinal inflammation
- 482 **Fu-Chen Yang**, 674, Triggering receptor expressed on myeloid cells-1 plays a crucial role in regulating intestinal barrier in an experimental colitis model
- 483 **Heeva Baharlou**, 1292, Investigating the Immune Composition of the Human Anorectal Tract
- 484 **Hisako Kayama**, 2220, Dietary iron and transcription factor Spi-C regulate gut homeostasis through maintenance of CX3CR1^{high} CD11b⁺ CD11c⁺ cells.
- 485 **Jason Lynch**, 622, Uncoupling of the pDC-Treg crosstalk during early-life Pneumovirus infection underlies long-lived Treg dysfunction and asthma development
- 486 **Jennifer Simpson**, 1005, Absence of Interferon- β promotor stimulator-1 (IPS1) Induces Bronchiolitis and Asthma-like Pathology in response to Pneumoviral Infection
- 487 **Jian Tan**, 3216, Dietary fiber promotes oral tolerance by modulating Vitamin A metabolism in mucosal dendritic cells
- 488 **Jisun Jung**, 659, Dietary Macromolecules Regulate Differentiation of Small Intestine Resident Memory T cells in IEL compartment
- 489 **Jonatan Leffler**, 1395, Aeroallergen sampling in an experimental animal model of respiratory allergy
- 490 **Ka Yee FUNG**, 2972, Role of Regulatory T cells in bacterial induced colitis.
- 491 **Lee-Wei Chen**, 3015, dLac and FOS reverse antibiotic-induced lung defense impairment in a ventilator model through increasing intestinal reactive oxygen species
- 492 **Luke Garratt**, 2014, Free neutrophil elastase activity in airways of young children with cystic fibrosis prior to, during and post-Pseudomonas infection.
- 493 **Luman Wang**, 1721, NKT cells mediate the recruitment of neutrophils by stimulating epithelial CXCL secretion during colitis
- 494 **Malick SADIO**, 938, Regulatory role of IL-22-dependent microRNAs in homeostasis and inflammation in the intestinal epithelium
- 495 **Maltby Steven**, 3802, Macrophages regulate steroid resistant airway inflammation in a mouse model of respiratory syncytial virus-induced asthma exacerbation.
- 496 **Mark Agostino**, 2597, Structural prediction of receptor binding to IgM and IgA
- 497 **Nadeem Fazal**, 1769, Differential cellular expression of the melatonin synthesizing enzyme, Arylalkylamine N-acetyltransferase (AANAT), in the mouse gut E-cadherin-immunolabeled resident enterocytes versus trafficking CD3⁺ and CD117⁺
- 498 **Ryu Okumura**, 1849, Lypd8 maintains gut homeostasis by segregating flagellated bacteria and colonic epithelia
- 499 **Sophie Hyun-Ja Ko**, 1396, Influence of commensal microbiota and dietary antigens on the development and function of antigen presenting cells in intestinal homeostasis
- 500 **Stephanie Trend**, 385, Can aerosolised bacteriophage preparations against Pseudomonas aeruginosa protect against endotoxin-mediated inflammation in the lungs of people with cystic fibrosis?
- 501 **Susana Figueroa**, 2541, Dietary N- and O-glycans from cow milk and TLR modulation
- 502 **Thien Nguyen**, 3300, Live but not heat-inactivated ADLM, a gram negative bacteria from aquifer water, inhibit inflammation and ameliorate TNBS-induced colitis in IBD rat's
- 503 **Xiaoyan ZHANG**, 594, Long lasting effect of mucosal topical applied microbicides on the subsequent rectal SIV infection and survival by regulating SIV-specific T cell immune responses
- 504 **Zhenjun Chen**, 1280, MAIT cell activation and accumulation after in vivo infection depends on microbial riboflavin synthesis and co-stimulatory signals

Reproductive Immunology

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- 505 **Abbas Ghaderi**, 728, Transforming Growth Factor β 1 (TGF- β 1) is increased in the sera of postmenopausal osteoporotic women; a case-control study
- 506 **Bose Purabi Dekia**, 4691, Immunological modes of pregnancy loss: similarity in Hepatitis E infected and non-infected pregnancy cases.
- 507 **Ella Green**, 3923, Regulatory T cell abundance and phenotype in pregnancy – a novel role for progesterone potentially independent of nuclear progesterone receptor
- 508 **Leonard Harrison**, 1824, Immune suppression by human semen is mediated by soluble CD52
- 509 **Piotr Kusnierczyk**, 2818, HLA-G, KIR2DL4 and LILRB1 gene polymorphisms in spontaneous abortion in Poles
- 510 **Romao-Veiga Mariana**, 4461, Up-regulation of autophagy by sera from women with preeclampsia is associated with pro-inflammatory cytokines
- 511 **Rosanna Ramhorst**, 364, Immunoregulation of the decidualization program
- 512 **Shamika Moore**, 2614, The influence of viral infection on the innate immune system during pregnancy
- 513 **Soheil Najafi**, 41, Association of IL-17A and IL-17 F gene polymorphisms with recurrent pregnancy loss in Iranian women
- 514 **Tom Kieffer**, 1913, Short and Long Term Effects of Pregnancy on Memory T cells.
- 515 **Xuemei Hu**, 1416, The improvement of abnormal pregnancy by IL-10 treatment in T. gondii-infected mice

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- 516 **Alicia Chenoweth**, 2228, Critical Differences in the Fc Receptors of Humans and Non-Human Primates with Implications for the Analysis of Antibody Effector Functions in vivo.
- 517 **Amanda Patchett**, 769, Analysis of toll-like receptor responses in the endangered Tasmanian devil
- 518 **Andreas Rohringer**, 3910, Identification and characterization of chicken IFIT5
- 519 **Aram Kang**, 4686, Comparison of immune responses and transmissibility between Korean and Chinese canine influenza viruses in Guinea pigs
- 520 **Benyamin Rosental**, 4492, Functional and molecular characterization of an invertebrate model immune system reveals evolutionary precursors of vertebrate
- 521 **Claudio Henriquez**, 3820, Tamoxifen as a new therapeutic approach for airway inflammation
- 522 **Faraz Ahmad**, 883, Role of overexpressed mce4A gene in pathogenesis of murine tuberculosis
- 523 **Federica Riva**, 2643, MILK 'S MICROBIOTA DURING THE PERIPARTURIENT PERIOD IN HOLSTEIN COWS: POSSIBLE IMPLICATION ON ANIMAL HEALTH AND MILK QUALITY
- 524 **HeeJun Yuk**, 4688, DPO system based Multiplex PCR for detection of viral and bacterial agents causing canine infectious respiratory diseases
- 525 **James Holden**, 2715, Porphyromonas gulae activates M1 macrophages via TLR2, TLR4 and NOD2
- 526 **Jessica Anania**, 2128, A New Fc Receptor of Human and Non-Human Primate Granulocytes has Altered Signalling and Cell Localisation
- 527 **Jose Geovanni Romero-Quintana**, 1237, Genetic and Immunological Characterization of Papillon-Lefevre Syndrome Patients of Sinaloa State, México
- 528 **Mehdi Yousefi**, 4354, Humoral immune responses against tetanus neurotoxin in human and mouse
- 529 **Minjoo Yeom**, 4683, Pathogenicity of Attenuated Live Vaccine Candidate Base on Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus in Vietnam
- 530 **Maria Maximina Bertha Moreno-Altamirano**, 4408, Wondering into the Bats' Immune System
- 531 **Nazarii Vitak**, 3462, Evolution of cell death responses to cytosolic DNA
- 532 **Petr Slama**, 747, CD44 expression and apoptosis of lymphocytes in in vitro stimulation by lipopolysaccharide
- 533 **Petr Slama**, 749, Apoptosis of gamma delta T cells during inflammatory response of bovine mammary gland induced by Staphylococcus aureus
- 534 **Shaochun Yuan**, 3264, DDX23, an evolutionary conserved dsRNA sensor, pairs with TRIF or MAVS to trigger the antiviral responses
- 535 **Woonsung Na**, 4687, Naturally truncated NS gene of H3N8 equine influenza virus attenuates the virulence of the A/Puerto Rico/8/34 virus in mice in mice
- 536 **Yuzhen Wang**, 2962, The adjuvanticity of Seabuckthorn polysaccharide for chicken Newcastle disease vaccine

Emerging & Indigenous-Relevant Diseases

Level 1 (via escalator 1), 1530 - 1630

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- 537 **Alma Yolanda Arce-Mendoza**, 3620, Determination of anti-Mycobacterium tuberculosis IgM and IgG antibodies in individuals in contact with patients with active tuberculosis
- 538 **Bronwyn Smith**, 69, Application of Becton Dickinson FACSTM Combinatorial Antibody Profile (FACSTM CAP) technology to the identification of efficiency of tuberculosis therapy
- 539 **Champa Ratnatunga**, 2498, Multivariate immunoprofiling of individuals prone to non-tuberculous mycobacterial infection reveals T cell exhaustion and dysfunction
- 540 **Ching-Chow Chen**, 2179, Colitis-associated colorectal carcinogenesis was inhibited by dual inhibitors
- 541 **Cunha-Neto Edecio**, 3623, Therapeutic evaluation of drug combination against Trypanosoma cruzi
- 542 **Dianne Sika-Paotonu**, 4680, Understanding protective plasma levels of penicillin and monitoring antibody responses for the prevention of GAS infection in a paediatric population
- 543 **MD SOHRAB ALAM**, 153, Prevalence of hepatitis C virus genotype in affected Bangladeshi patients
- 544 **Oanh Nguyen**, 2486, Immune correlates of severe influenza disease in patients hospitalized with seasonal influenza viruses in Australia and with the novel avian H7N9 virus in China
- 545 **Roberto Cattaneo**, 2568, Human myeloid cells delivery of measles virus to the airway epithelium: relevance of cell-to-cell contact and of the epithelial receptor nectin-4 (PVRL4)
- 546 **Soomin Park**, 2192, Difference of gene expression in various TB infection stages
- 547 **Tzvia Abramson**, 1374, Th17-like Tregs are promoted during late stages of infection with B. pertussis in mice.
- 548 **Victoria Graham**, 4092, Development of a cost-effective ovine polyclonal antibody-based product, EBOTAb, to treat Ebola virus infection
- 549 **Zhongfang Wang**, 1270, Immunity to the newly emerged A/H7N9 influenza virus

HIV

Level 1 (via escalator 1), 1530 - 1630

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- 550 **Abdulateef Alshehri**, 3197, Defining the role of HIV-1 accessory proteins in blocking interferon induction by dysregulation of TBK1
- 551 **Aggarwal Heena**, 772, Alterations in dendritic cells and B cell subsets in HIV-1 infected children at different stages of disease
- 552 **Brenna Kiniry**, 3729, Characterization of Gut Tissue Resident Memory CD8+ T-cells in HIV Infection
- 553 **Brenna Kiniry**, 4175, Exhaustion of Rectal Mucosal CD8+ T-cells in HIV Infection
- 554 **Clarissa Cabauatan**, 2834, Allergic sensitization does not affect HIV-specific IgG responses in HIV-infected patients
- 555 **Clement Adu-Gyamfi**, 287, Plasma indoleamine 2,3 dioxygenase activity, a potential biomarker for Tuberculosis in HIV infected patients
- 556 **Francesco Schiavone**, 4327, HCV induces a strong increase of inflammatory monocytes, more than HIV itself
- 557 **Gina Clayton**, 4790, Structural studies of Class II restricted CD8 T cells in HIV patients.
- 558 **Girish Vyas**, 2842, Pathogenesis of HIV persistence: B-cell immune tolerance specific for the conformational antigenic determinants (BIT-CAD) of native trimeric envelope glycoprotein subunits (TEGS).
- 559 **Irmtraut Araci Hoffmann Pfrimer**, 4057, Analysis of monocyte subsets in HIV-1 infected individuals using or not antiretroviral therapy
- 560 **Jacqueline Flynn**, 2494, The uncharacteristic role of T memory Stem Cells in HIV-1 infection
- 561 **López-Abente Jacobo**, 2386, VIH-1 INDUCE A DEREGULATION IN B-CELL POPULATIONS THROUGH A REGULATORY B-CELL-LIKE PHENOTYPE IN VITRO
- 562 **Marissa Fahlberg**, 4639, Adipose Tissue Macrophage Dynamics in SIV-Infected and ART-Treated Rhesus Macaques
- 563 **Matthew Parsons**, 3204, Partial efficacy of broadly neutralizing antibody PGT121 against cell-associated simian-human immunodeficiency virus (SHIV) infection
- 564 **Mayuko Shimoda**, 3493, Impact of RNA Export TREX-2 Component GANP on Nuclear Transport in Viral Infection
- 565 **Najla Nasr**, 207, HIV induces interferon stimulated genes in two phases in macrophages while inhibiting interferon induction
- 566 **Ria Lassauniere**, 2748, Association of FcγRIIIb genotypic variants with markers of disease severity in HIV-1 infected women
- 567 **SIMONE FONSECA**, 3976, Effect of illicit drug use on inflammation and microbial translocation in HIV infection
- 568 **Supriya Mahajan**, 4155, Role of Complement in progression of HIV-associated neurological disorders (HAND).
- 569 **Susan de Jong**, 4542, Isolation of resting CD4+ T cells from a model system of HIV-infected blood
- 570 **suzanne samarani**, 4148, Investigations on the extra-neural cholinergic system in HIV infection
- 571 **Wen Shi Lee**, 2872, NKG2D acts as a co-receptor for natural killer cell-mediated anti-HIV-1 antibody-dependent cellular cytotoxicity
- 1410 **Basile Siewe**, 4390, Quantification of cell-associated HIV RNA (CAR) and host immune response genes using a branched DNA-based assay in HIV patients on anti-retroviral therapy (ART).

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- 572 **Alla Splichalova**, 4479, Impact of *E. coli* Nissle 1917, *Lactobacillus amylovorus* and *Salmonella Typhimurium* on intestinal IL-8, IL-12/23 p40, TNF alpha, claudin-1 and occludin in gnotobiotic piglets
- 573 **Anna Velia Vazquez Marmolejo**, 29, Prevention of actinomycetoma by *Nocardia brasiliensis* in BALB/c mice
- 574 **Bok Lee**, 3113, Pre-treatment of in vivo novel ligand molecule generated from a *Staphylococcus aureus* mutant bacterium protected host from MRSA infection
- 575 **Clemens Hermann**, 681, A novel proteomic approach for investigating the human antibody response during *Mycobacterium tuberculosis* infection
- 576 **Cuiqing Ma**, 541, Group A *Streptococcus* Induced Less P65 Nuclear Translocation and Non-classical NF- κ B activation in Macrophage, Which Possibly Leads to a Weaker Inflammatory Response
- 577 **Daisuke Yamanaka**, 3243, The difference of biological activity of various soluble beta-glucans in cytokine induction.
- 578 **Dino Bee Aik Tan**, 463, Improving anti-bacterial immune responses in patients with COPD by blocking inhibitory T-cell receptors
- 579 **Ferrand Jonathan**, 2235, Toll-like receptor 8 polymorphisms in *Helicobacter pylori* infection.
- 580 **Gyri Haugland**, 4431, The cleaner fish lumpfish (*Cyclopterus lumpus* L.)
- 581 **Igor Splichal**, 4474, *Salmonella Typhimurium* rfaG mutant shows reduced transcription of Toll-like receptor 4 in intestine of gnotobiotic piglets
- 582 **Janice Cheng**, 3533, Synthesis of the *Mycobacterium tuberculosis* lipopeptide didehydroxymycobactin (DDM-838) for the study of CD1a-restricted T cells
- 583 **Jessamine Goh**, 1421, Neutrophils differentially attenuate immune response to *Aspergillus* infection through complement receptor 3 and induction of myeloperoxidase
- 584 **Joanna Kirman**, 3927, Memory CD4 and CD8 T cells are dispensable for BCG-vaccine mediated protection
- 585 **Kazuhisa Yamazaki**, 269, Periodontopathic bacteria increases the risk of rheumatoid arthritis by affecting gut immune system
- 586 **Laleh Majlessi**, 4172, Poly-functional CD4+ T cells specific to PE/PPE antigens are protective against pulmonary *Mycobacterium tuberculosis* infection
- 587 **Lea-Ann Kirkham**, 3492, Otitis-prone children produce functional antibodies to pneumolysin and pneumococcal polysaccharides
- 588 **Lee Ann Garrett-Sinha**, 4329, The transcription factor Ets1 cooperates with IL17 signaling to regulate antibacterial skin immune responses
- 589 **Leticia Rojas Cortez**, 2937, Differential response of dendritic cells upon co-infection with different *Aggregatibacter actinomycetemcomitans* serotypes
- 590 **Lucia Fraga**, 1724, Immune response to *Mycobacterium leprae*: potential application for leprosy diagnosis
- 591 **Manuel Mata Forsberg**, 1549, Characterization of secreted molecules from lactobacilli with systemic immune-modulatory activity
- 592 **Marion Steger**, 1509, Complement-Opsonization of *A. fumigatus* Modifies Dendritic Cell Function
- 593 **Mitermayer Reis**, 2672, Elevated neutrophil TLR activation during acute severe leptospirosis
- 594 **Mónica Torres Rojas**, 3863, HIF-1 α stabilization through metabolic hypoxia via glutaminolysis in a murine model of pulmonary tuberculosis
- 595 **Nadejda Nadia Berkova**, 1425, Phenol-soluble modulins alpha induce G2/M phase transition delay and impair immune response of eukaryotic cells
- 596 **Nina Tsao**, 880, Group A streptococcus-induced macrophage death is through glycogen synthase kinase-3 beta activation and mitochondrial damage
- 597 **Paul Licciardi**, 3460, Vitamin D suppresses pro-inflammatory responses associated with *Streptococcus pneumoniae*
- 598 **Pin Ling**, 2995, Emerging roles of an innate immune regulator TAPE in Toll-like receptors, RIG-I-like receptors, and beyond
- 599 **Rubén López-Santiago**, 1621, In vivo analysis of the interaction of antigen presenting cells (APC) in intestine of BALB/c mice with *Brucella abortus* administered intragastrically
- 600 **Ruth Thornton**, 3541, Adults with bronchiectasis do not have reduced antibody titres to vaccine candidate antigens of nontypeable *Haemophilus influenzae* or *Streptococcus pneumoniae*
- 601 **Samuel Lundin**, 3900, B-cell epitope mapping of the *Helicobacter pylori* proteome
- 602 **seongryul Kim**, 3651, Influence of the moricin-like antimicrobial peptide on perturbation of fungal cell membranes
- 603 **Suk Kim**, 251, Influence of platelet-activating factor receptor (PAFR) on *Brucella abortus* infection: Implications for manipulating the phagocytic strategy of *B. abortus*
- 604 **Takeshi Wada**, 3487, Analysis of a molecular mechanism underlying the susceptibility to *Staphylococcus aureus* infection in Hyper-IgE syndrome
- 605 **Tamar Mchedlidze**, 4082, The role of Interleukin-33 and its signaling in the development of infectious colitis
- 606 **Toshiki Tamura**, 1031, Enhancing effect of Peptide-25 on the induction of functional activation of CD8 cytotoxic T lymphocytes.
- 607 **Tulia Mateus**, 3625, Evaluating the host immune response to bacterial pathogens in children with obstructive sleep apnoea and recurrent tonsillitis
- 608 **Viviana Lutzky**, 2997, Immunopathogenesis of non-tuberculous mycobacterial infection in cystic fibrosis patients.
- 609 **Win Mar Soe**, 1423, Immunomodulatory muropeptide against *Candida albicans*
- 610 **Yanchun Shi**, 1419, The Expression of MicroRNA-146a is Related with Antibody Titers and Clinical Symptoms in Brucellosis Patients
- 611 **Yeji Kim**, 3421, Colonization of resident pathobionts in the I κ B ζ signal-deficient skin accelerates atopic dermatitis-like syndrome
- 612 **Yi Juan Teo**, 1941, Role of renal CD169+ F480+ resident macrophages in acute systemic candidiasis
- 613 **Yoe-Sik Bae**, 1887, Phospholipase C mediates the therapeutic effects of Trp-Lys-Tyr-Met-Val-D-Met against sepsis
- 614 **Yoko Shimohakamada**, 1037, The role of IL-21 producing and nonproducing follicular helper T cells in mycobacterial infection
- 615 **Yusuke Ando**, 2199, Attenuation by platelets of macrophage inflammatory responses to bacterial endotoxin
- 1365 **Masayuki Umemura**, 1945 The involvement of IL-17A and IL-17F in chronic pulmonary mycobacterial infection Masayuki Umemura

Immunity to Parasites

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 616 **Allauda Karunarathne**, 3817, PD-1 dependent exhaustion of CD8+ T cells drives chronic malaria
- 617 **Arturo Ferreira**, 822, Exogenous Calreticulin, Incorporated onto Non-Infective Trypanosoma cruzi Epimastigotes, Promotes their Internalization into Mammal Hosts Cells
- 618 **Chelsea Edwards**, 2162, Characterisation of CD4+ T cell responses during malaria
- 619 **Dhafer Laouini**, 4013, Reactive oxygen and nitrogen species levels produced by Leishmania major-infected phagocytes as host surrogate parasite virulence markers
- 620 **Dipankar Bujarbaruah**, 4681, TLR4 and RANTES triggered immunomodulation is critical for malaria disease outcome: A northeast India tribal population based study
- 621 **Dwinanda Aidina Fitriani**, 4565, Severe Acquired Toxoplasmosis in Children
- 622 **Gaoqian Feng**, 1303, Human antibodies to Plasmodium falciparum merozoite surface antigens interact with Fcγ receptors to mediate immunity to malaria
- 623 **Hamid Niknam**, 2807, Route of infection affects pathogenicity and visceral growth of Leishmania major in BALB/c mice
- 624 **Jemal Mahdi**, 3758, Effects of helminth eradication on the immune system
- 625 **Jerry Thornthwaite**, 1067, Peroxybioflavonoids (MALSUP): A possible cure for severe cases of Plasmodium falciparum malaria infection in Nigeria
- 626 **Joao Santana Silva**, 4249, Nod2/Rip2-mediated signaling contributes to shape adaptive immunity in visceral leishmaniasis
- 627 **Joshua Horne-Debets**, 4668, The programmed death-1-PD-L1 axis mediates lethality of malaria
- 628 **Juan de Dios Ruiz-Rosado**, 1750, MIF promotes classical activation and conversion of inflammatory Ly6Chigh monocytes into Tip-DCs during murine toxoplasmosis
- 629 **Kalita Manash Pratim**, 4685, Differential regulation of TLR2 and associated immunomodulation is pivotal for deciding the fate of malaria infection
- 630 **Kenji Ishiwata**, 2895, Effects of the host immune response against precedent infection on the establishment of successively infected gastrointestinal nematode
- 631 **Liriye Kurtovic**, 2579, Antibody and complement interactions in human immunity to malaria.
- 632 **Louise Randall**, 2963, Fighting at the frontier: chondroitin sulfate proteoglycans and the immune response to pathogens in the placenta.
- 633 **Maristela Cunha**, 3076, IgG antibody and cytokines in Plasmodium vivax infected individuals living in a low malaria transmission area in Amazon region, Pará state, Brazil
- 634 **Masaya Takamoto**, 3640, The role of IL-17 in Trichinella spiralis infection
- 635 **Michelle Sue Jann Lee**, 1498, Malaria-induced bone disorder triggered by chronic inflammation in the bone
- 636 **Natalia Sampaio**, 2621, Plasmodium falciparum protein PfEMP1 modulates activation of transcription factors and dampens the cytokine and chemokine response from monocytes/macrophages
- 637 **Nazanin Ghazanfari**, 2164, Investigating the role of malaria-specific T cells in malaria pathogenesis
- 638 **Nivea Farias Luz**, 4033, RIPK1 and PGAM5 Control Leishmania Replication through Distinct Mechanisms
- 639 **Om Prakash Singh**, 3331, IL-17 is associated with protection in human visceral leishmaniasis
- 640 **Rajesh Parmar**, 1465, Infectious status of sporozoites evokes innate response, leading to cell-mediated protective CD8+T cell response against Plasmodia infection
- 641 **Rhea Longley**, 1021, Acquisition and longevity of antibodies to Plasmodium vivax pre-erythrocytic antigens in western Thailand
- 642 **Shanshan Hu**, 1803, TNF deficiency leads to splenomegaly following cutaneous infection with Leishmania major
- 643 **Si Min Lai**, 3661, Clec9a+CD8+ DCs are key players in controlling Plasmodium chabaudi chabaudi AS infection
- 644 **Sunil Arora**, 4291, Immune-modulation by a Novel
- 645 **Teija Frame**, 4635, IL-17 regulates permissiveness to infection with Leishmania donovani
- 646 **Teresa Freire**, 4161, Role of heme oxygenase-1 in the pathogenesis and immune regulation during Fasciola hepatica infection
- 647 **Vashti Irani**, 3702, Dissecting the functional effector responses mediated by human IgG subclasses against Plasmodium falciparum merozoites.
- 648 **Xavier Fernández-Busquets**, 470, Polymer nanoparticles in malaria: A dual role in targeted drug delivery and in vaccination approaches
- 649 **Xi Zen Yap**, 546, Human dendritic cell interactions with P. falciparum provide insight into the development of host immunity to malaria
- 1370 **Fiocca Vernengo**, 242, B cell depletion compromises CD8+ T cell response in murine T cruzi infection Facundo
- 1397 **Takuya Ohta**, 2209, Histamine contributes to the resistance against tick-blood-feeding during the re-infestation

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- 650 **Ai Ikejiri**, 902, Highly pathogenic avian influenza virus causes severe symptoms due to insufficient contact between DCs and T cells
- 651 **Ana Angulo**, 2559, S1, a Cytomegalovirus encoded SLAMF6 homolog captured from the host by retrotranscription
- 652 **Anya Jones**, 885, The role of intrinsic and aeroallergen-specific immune responses in the heightened susceptibility of atopics to respiratory viral infections: rat model studies
- 653 **Astar Winoto**, 4304, Viral Activation of RIG-I and STING pathways can induce necroptotic cell death
- 654 **Bing-Ru WU**, 3231, Characterising nAb responses and B cell phenotypes in early primary HCV infection
- 655 **Brian McSharry**, 2328, Abrogation of the interferon response promotes more efficient human cytomegalovirus replication
- 656 **Chelsea Gerada**, 991, Varicella Zoster Virus ORF63 Protects Cells from Staurosporine-induced Apoptosis
- 657 **Chih-Peng Chang**, 415, p62/sequestosome-1 supports dengue virus replication by inactivating NF- κ B-mediated IL-6 production
- 658 **Chiou-Feng Lin**, 1659, Antigen-Presenting Cell-Like Differentiation of Microglia Retard Dengue Virus-Induced Acute Viral Encephalitis
- 659 **Chunmei Wang**, 4560, Bromodomain-containing protein 3 (BRD3) selectively promotes IFN- γ production via recruiting IRF3/p300 complex to the IFN- γ promoter in macrophages
- 660 **Chunni Zhang**, 237, Plasma expression profile and potential function of HCMV-encoded microRNAs in oral lichen planus patients
- 661 **Cynthia Mee Ling Munier**, 488, The primary immune response to Vaccinia virus vaccination includes cells with a distinct cytotoxic effector CD4 T cell phenotype
- 662 **Daniel Dlugolenski**, 1869, Altered neutrophil trafficking and viral pathogenicity resulting from genetic reassortment of influenza A virus PA and NA genes
- 663 **Dayeon Yun**, 4497, Biodegradable therapeutic nanoagents for influenza A virus by blocking viral entry via sialic receptor-targeting 3-aminophenylboronic acid
- 664 **Diana Castaño**, 1605, Frequency and phenotype alterations in monocyte subsets from dengue patients: a main contribution of the non-classical subset
- 665 **Elizabeth Kolawole**, 707, Dietary fatty acids alter T cell affinity for antigen and decrease anti-viral immunity
- 666 **Emily Machala**, 1045, Novel Role for Galectin-9 as a Potent Inhibitor of Human Cytomegalovirus Infection
- 667 **Fernanda Ana-Sosa-Batiz**, 492, Influenza-specific antibody-dependent phagocytosis
- 668 **Gyri Haugland**, 2851, The salmon pathogenic viruses IPNV, ISAV and SAV are differentially recognized by RIG-I-like receptors and induce different immune responses in a salmonid cell-line.
- 669 **Hideyuki MASAKI**, 1367, Establishment of West Nile virus -neutralizing human monoclonal antibodies derived from the individuals vaccinated with inactivated Japanese encephalitis virus by ISAAC technology
- 670 **HIEUN JUNG**, 3205, PTD fused Mx1 enhances protection against influenza virus infection
- 671 **Hyun jin Choi**, 776, HCMV glycoprotein gp39 downregulates host antiviral response
- 672 **Hyun-Ouk Kim**, 4636, Amphiphilic antiviral delivery nanocarrier possessing cell-targeting phenylboronic acid functional groups for virus therapy
- 673 **Jane Allan**, 3821, Characterisation of the antibody response to hepatitis C virus by infected individuals
- 674 **Jarrod Kennedy**, 620, Characterisation of human CD14+ monocytes following Varicella-Zoster Virus infection
- 675 **Jean-Francois Lauzon-Joset**, 3214, Immunostimulation reduces the severity of Influenza infection during pregnancy
- 676 **Jesseka Chadderton**, 3060, Tregs influence kinetics of immunodominant antiviral CD8+ T cell responses
- 677 **Jianqing Xu**, 595, CD160 plays a protective role during chronic HIV-1 infection and is critical to CD8+ T cell differentiation through T-bet pathway
- 678 **Jiaren Sun**, 616, Retinoic acid regulates immune responses by promoting IL-22 production and modulating S100 protein in viral hepatitis
- 679 **Jihye Kim**, 2624, Highly Cytotoxic Effector CD8+ T cells in Influenza A Virus Infection
- 680 **Jihye Kim**, 4501, Lowering of influenza viral infectivity by using polypyrrole/polyaniline co-polymerized nanocomplex through control of cellular reactive oxygen species (ROS)
- 681 **Karen Laurie**, 2865, The time-interval between infections and viral hierarchies are determinants of viral interference following influenza virus infection in a ferret model
- 682 **Kristina Borochova**, 2062, Immune recognition of respiratory syncytial virus (RSV) antigens and epitopes
- 683 **Lei Ping**, 1866, Effect of HBV-induced IL-23 on the biological behavior of hepatocarcinoma Cells
- 684 **Lidia Szulc-Dabrowska**, 610, Influence of ectromelia virus infection on mitochondrial morphology and function in murine L929 fibroblast cell line
- 685 **Mark Gorrell**, 1354, Leucocyte subsets in the fibroblast activation protein deficient mouse with influenza infection
- 686 **Meagan McMahan**, 1304, ADAMTS7: an essential enzyme for adaptive immunity
- 687 **Megan Crane**, 3466, Intrahepatic CXCL-10 is strongly associated with markers of liver fibrosis in HIV-HBV co-infection
- 688 **Megan Steain**, 1234, Varicella Zoster Virus Inhibits Necroptosis in HT-29 adenocarcinoma cells
- 689 **Mehdi Rasoli Pirozyan**, 2688, Characterisation of the phenotypic profile of antigen specific cytotoxic T cell responses during primary HCV infection
- 690 **Meihui Wu**, 2174, Induction of CD137 expression by Epstein-Barr Virus facilitates immune escape of infected cells
- 691 **Minghong Jiang**, 4561, RNF122 suppresses antiviral type I interferon production by targeting RIG-I CARD to mediate RIG-I degradation
- 692 **Moreno-Altamirano María Maximina Bertha**, 2759, Dengue virus (DENV) inhibition of NETs is independent of neutrophil IL-8 synthesis
- 693 **Mustafa Mujtaba**, 544, Enhancement of interferon and antiviral activities by Staphylococcal enterotoxin superantigens and their mimetic peptides in vitro and in vivo
- 694 **Nagarjuna Cheemarla**, 3341, Regulatory role of neutrophils in the inflammatory responses to paramyxovirus infection in mice
- 695 **Nathan Croft**, 3233, Reshaping of the host immunopeptidome during virus infection
- 696 **Navita Sharma**, 4451, Evaluation of antiviral activity of Carica papaya aqueous leaf extract and its role in platelet augmentation.
- 697 **Nora Fierro**, 1513, Conjugated bilirubin regulates CD4+T effector cell and T regulatory cell function through outside-in and inside-out mechanisms: intracellular signalling and HAV receptor on cell surface.
- 698 **Prabuddha Pathinayake**, 3005, Effect of Oxidative stress and Rhinovirus infection on Mitochondrial/Endoplasmic reticular function in Human Primary Bronchial Epithelial Cells
- 699 **Qingqing Wang**, 4670, The E3 ligase FBXW7 stabilizes RIG-I to mediate antiviral immunity by targeting SHP2 for ubiquitination and degradation
- 700 **Realpe Mauricio**, 4535, Differentiation by cytokine signatures of acute hepatitis in Mexican population. The diagnostic value for independent, and HAV/HEV co-infection.
- 701 **Rodolfo Nazitto**, 4577, Regulation of Innate Immune Cell Activation and the Type I IFN Response by Interleukin Enhancer Binding Factor 3 (ILF3) During HIV-1 Infection
- 702 **Selmir Avdic**, 848, Modulation of MHC class I expression by human cytomegalovirus encoded IL-10
- 703 **Shuqi Xiao**, 4336, MiR-22 Promotes Porcine Reproductive and Respiratory Syndrome Virus Replication by Targeting the Host Factor Heme Oxygenase-1
- 704 **Simon Preston**, 3832, Bim deficiency prevents PD-1 mediated T cell attrition and rescues CD8 T cell exhaustion
- 705 **Sneha Sant**, 2690, Universal and heterologous CD8+ T cell immunity to influenza viruses
- 706 **Suxia Liu**, 1964, TIPE2 negatively regulates hepatitis by inducing HBV-infected hepatocytes apoptosis.
- 707 **Svenja Fritzljar**, 3199, MNV manipulation of the host immune response
- 708 **Ting Wu**, 1343, Quantitative shifts in the influenza immunopeptidome reveal the relative contributions of direct and cross-presentation to the induction of T cell mediated antiviral immunity
- 709 **Xia Li**, 4532, Methyltransferase Dnmt3a upregulates HDAC9 to deacetylate TBK1 for activation of antiviral innate immunity
- 710 **Xiangrui Jiang**, 3913, Spatiotemporal dynamics of innate immunity and lung pathogenesis during influenza virus infection
- 711 **yang Xi**, 2500, Critical Role of pDC in Regulating Gene Expression and Innate Immune Responses to Human Rhinovirus
- 712 **Yuet Wu**, 4785, Immune Responses to Oral Polio Vaccine (OPV) in Patients with X-linked Agammaglobulinemia (XLA)

- 1373 Achala Kamaladasa, 3063, Platelet activating factor and its association with other inflammatory mediators in the pathogenesis of dengue
 1390 Yuet Wu, 796, Immune Responses to Oral Polio Vaccine (OPV) in Patients with X-linked Agammaglobulinemia (XLA)
 1396 Bruce Wines, 2717, FcγR ectodomain probes measure anti-viral IgG effector function.

Immunosuppression

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 713 Anderson Jones, 3414, Ultraviolet-B irradiation of the skin for alteration of immunophenotype and functional responses in Clinically Isolated Syndrome
 714 Angela Ferguson, 2096, Solar-simulated ultraviolet radiation alters the formation of cell membrane-derived microvesicles in mouse plasma and skin draining lymph nodes.
 715 Belal Chami, 1297, 4-Methoxy TEMPO attenuates murine experimental colitis
 716 Bryan Lye, 3272, Utilizing Quantitative Methods to Study the Interaction of Immunosuppressive Drugs In Combination
 717 CHUNNI LU, 4031, Residential memory regulatory T cells function on immune responses to influenza A virus infection
 718 Connie Wong, 1256, Translocation and dissemination of commensal bacteria as a source of infection after stroke
 719 Fan Xiu Bo, 4496, A two factor-cocktail: potential substitute for mesenchymal stromal cells in suppressing graft versus host disease
 720 Florian Uhle, 4427, Metabolic alarmins train monocyte tolerance
 721 II-mi Okazaki, 3911, Phenotypic characterization of LAG-3 expressing cells
 722 Jing-Yan Cheng, 3366, Globo-H ceramide induced T cell immunosuppression via A2A receptor (A2A-R) and cAMP/PKA pathway
 723 Kazutomo SUZUE, 3950, Pathogen non-specific bystander T cells were attenuated upon infection with malaria parasites
 724 Konstantin Knoblich, 4620, Human fibroblastic reticular cells of secondary lymphoid organs regulate T cell activation and proliferation through four overlapping mechanisms
 725 Maryam Rashidi, 1611, Soluble CD52 is a negative regulator of innate immune cell-driven inflammation
 726 Miyoko Matsushima, 1427, Involvement of Caveolin-1 in Quercetin-Induced Nrf2 Activation
 727 Nadeem Fazal, 199, Soluble-CD40L, and/or CD40L-Ig could beneficially modulate disturbed costimulatory signaling between APCs and CD4+T cells
 728 Nicole Campbell, 1156, Plant-derived Heme-Oxygenase 1 (HO-1) inducers modulate maturation and pro-inflammatory functions in human dendritic cells and macrophages
 729 Paula Kuo, 751, Pre-Malignant Immune Suppressive Environment Is Dependent on HPV16E7-Rb Interaction Induced Epithelium Hyperplasia
 730 Szu-Yu Lin, 4399, The role of IL-4 in the development and function of regulatory T cells induced by B cells (Treg-of-B cells)
 731 Takeo Kajihara, 3798, Inhibition of T cell activation by human LAG-3.
 732 Takumi Maruhashi, 3648, Context-dependent inhibition of antigen-specific T cell activation by LAG-3
 733 Uliana Bagina, 1931, Status of immune system of patients with breast cancer in different stages.
 734 Vladimir Kozlov, 2445, Erythroblasts (Er-suppressor cells) – a new type of suppressor cells that inhibit immune response
 735 Yan Yue, 2596, Monocytic myeloid-derived suppressor cells from females, but not males, alleviate CVB3-induced myocarditis by increasing regulatory and CD4+IL-10+ T cells
 736 Yeung Amanda Wing Shee, 4625, Redox regulation of the critical immunoregulatory enzyme indoleamine 2,3-dioxygenase 1
 737 yi li, 1809, The effect of Wuzhi capsules on tacrolimus pharmacokinetics in renal transplant recipients
 738 Youngheun Jee, 2770, Anti-inflammatory activities of Dangyuja (Citrus grandis Osbeck) on 12-O-tetradecanoylphorbol-13-acetate (TPA) induced skin inflammation
 739 Zewen Kelvin Tuong, 752, Exhausted T cell signature enriched in HPV16 E7 mouse model and cervical intraepithelial neoplasia grade III.
 740 Zuping Zhou, 400, Identification of early myeloid progenitors as immunosuppressive cells

Tolerance

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 741 Bruno Cerqueira-Rodrigues, 2321, Understanding how infection of the thymus renders newly differentiated T cells tolerant to mycobacteria-specific antigens
 742 David M Sansom, 4090, Understanding the impact of patient-derived mutations on CTLA-4 expression and function.
 743 deshinta mulya, 1668, Effect of Probiotic (Lactobacillus Reuterii) Administration On Regulatory T Cell in SLE With Mild Manifestation
 744 Ee Xin Lim, 3812, Loss of TACI expression allows self-reactive MZ B cells to escape deletion but not anergy
 745 Gaurang Jhala, 249, Neonatal tolerance to proinsulin is sufficient to prevent autoimmune diabetes
 746 Jeremy Brooks, 1630, Does dendritic-cell targeted antigen expression induce both T and B cell tolerance?
 747 Jung-Sik Kim, 3548, Semi-Mature Dendritic Cell Generation by Targeting acetyl-CoA carboxylase in the Lipid Metabolism Process
 748 Koichiro Uchida, 3718, In vitro induction of serial transfer of allospecific suppression potential in human peripheral T cells
 749 Mayura Wagle, 1822, Ndfip1 limits autoreactive CD8+ T cell responses to high dose antigen
 750 Naoko Negishi, 1030, Involvement of TIGIT in serial transfer of anergy status in T cells
 751 Nicole Freise, 212, Modified signaling cascades in DAMP-tolerized human phagocytes
 752 Novalia Pishesha, 3087, Antigen-decorated engineered red blood cells as a novel immune tolerance-inducing agent
 753 Paulina García-González, 2670, Dexamethasone and MPLA treatment of monocyte-derived dendritic cells from rheumatoid arthritis patients induce transcriptional modulation of genes related to cell recruitment, signaling and metabolism
 754 Qing Ge, 182, Liver sinusoidal endothelial cells induce the tolerogenic and regulatory feature of autoreactive CD4+ recent thymic emigrants
 755 Raymond Steptoe, 3850, Ablation of pathogenic memory T-cell responses by bone marrow-mediated gene therapy under immune-preserving conditions
 756 Rochelle Tixeira, 3845, Determining the molecular factors that control apoptotic cell disassembly
 757 Ulrike Lorenz, 1991, Tyrosine phosphatase SHP-1 as a critical switch in altering the sensitivity of Tcon cells to Treg mediated suppression
 758 UMA KANGA, 3952, Relevance of Immunomodulatory factors in HSCT: HLA-G as a biomarker for Graft versus Host Disease
 759 Venkatesh Jeganathan, 4195, Checkpoints for Autoreactive B Cells in Peripheral Blood of Lupus Patients Assessed By Flow Cytometry
 760 Youwei Lin, 296, Antigen-specificity of superior dominant encephalitogenic peptide confers inductivity, stability, and hybrid signatures to CD69+CD103+ subset of Treg responsible for sustainable inhibition of CNS autoimmune diseases.

Transplantation

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 761 **Adhikary Sam**, 217, P2X7 polymorphisms and the role of P2X7 in graft-versus-host disease
- 762 **Changyou Wu**, 4423, The ligands of translocator protein (TSPO) inhibit human Th1 responses and prevent the rejection of murine skin allografts
- 763 **Chia-Rui Shen**, 1914, Chitosan encapsulated superparamagnetic iron oxide (SPIO) nanoparticles facilitating the graft tracking and immunosuppression in allo-transplantation
- 764 **Chioma E Chibueze**, 2193, Fetal in-utero Hepatocyte Transplantation for Immunodeficiency Disease: A Systematic Review of case reports
- 765 **Ding-Ping Chen**, 870, Allele mismatch at the HLA-A locus is associated with high risk of relapse in unrelated umbilical cord blood transplantation
- 766 **Ellis Powell**, 2005, Swine SIRPα (CD172) protein has specific IgV residues associated with recognition of human CD47 and can bind human CD47 in vitro
- 767 **Frances Yeap**, 4003, Cytokine release syndrome in haploidentical stem cell transplantation in children with non- malignant disease: Higher incidences of infusion-related febrile reaction but no acute graft-versus-host disease
- 768 **Giri Nam**, 4772, Impact of CD99 on T cell immune response following an allogeneic skin transplantation
- 769 **Harini de Silva**, 2130, Analysis of Immune Recovery following Allogeneic Stem Cell Transplantation
- 770 **Heng-Yi Chen**, 332, Differential Modulation of IL-12 Family Cytokines in Islet Graft Rejection
- 771 **Joanne Davis**, 2736, Investigating the role of NK cells in regulating donor cell engraftment, rejection and the graft-versus tumour effect.
- 772 **Katja Ottmueller**, 4123, Migration of allogenic T cells in the small intestine during Graft-versus-Host disease
- 773 **Lucas Michaela**, 4662, Transplantation equals organ and resident immune cell transfer
- 774 **Martha Moreno-Lafont**, 1612, Predictive immunological biomarkers of graft versus host disease
- 775 **Mehri Barabadi**, 157, Non-invasive prediction of renal transplant rejection using FOXP3 mRNA expression analysis in peripheral blood and urine: a prospective study
- 776 **Miten Mehta**, 578, Allogeneic transplantation associated "Cytokine Storm" leads to early death in chemo-conditioning based murine model of Graft Versus Host Disease (GVHD)
- 777 **Nanayakkara Charunya**, 3061, Sterile inflammation in grafted organs and its systemic side effects
- 778 **Naoki Hosaka**, 611, New Method of Allogeneic Hematopoietic Stem Cell Transplantation: Hematopoietic Stem Cell Transplantation Plus Thymus Transplantation For Intractable Diseases
- 779 **Nicole Mifsud**, 2701, Identification of naturally presented allopeptides using immunoproteomics to determine their role in T cell cross-reactivity
- 780 **Olivier Boyer**, 2573, Induction of transgene-specific immunological tolerance by hematopoietic microchimerism using gene-modified bone marrow transplantation in a gene therapy setting
- 781 **Pablo Pelegrin**, 1140, Extracellular ATP as an early danger signal initiating allograft rejection
- 782 **Shashikumar Salgar**, 4608, Stem cell and novel biologic therapies to improve functional outcomes in limb transplantation
- 1402 **Richard Caspell**, 2467, Direct detection of T and B memory lymphocytes reveals HCMV exposure that serum antibodies fail to identify

Treg

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 783 **Agnieszka Chomka**, 1939, ST2-expressing regulatory T cells in the colon express the repair mediator, Amphiregulin.
- 784 **Akihito Nakajima**, 1392, Maternal dietary fiber intake during pregnancy affects on Foxp3+ Treg differentiation in the thymus of offspring
- 785 **Anika König**, 3622, In follicular regulatory T cells NFAT2 is essential for homing to germinal centers
- 786 **Chien-Hui Chien**, 4594, IL-10 produced by B cell-induced regulatory CD4+Foxp3- T cells via the activation of c-Maf
- 787 **Cinzia Benfatto**, 4453, The phenotype, functions and cytokine properties of 5-Azacytidine (5AzaC) induced Treg-like FOXP3+ CD4+ T cells.
- 788 **Daniel Getts**, 2143, The Complementary Role of FOXP3+ Regulatory T cells and Tr1 cells in the Maintenance of Tolerogenic Immune Modifying Nanoparticle (TIMP) Peripheral Tolerance
- 789 **Egor Batorov**, 397, The role of regulatory T cells in T cell recovery under severe lymphopenic conditions in hemoblastosis patients
- 790 **Gloria Soldevila**, 3926, Inhibins regulate peripheral Treg induction through modulation of dendritic cell function
- 791 **Hiroko Nakatsukasa**, 2156, TET2 and TET3 play essential roles in Treg-specific DNA demethylation and Treg stability
- 792 **Holly Bolton**, 2615, Regulatory T cell-dendritic cell interactions in the prevention of graft-versus-host disease
- 793 **Isaac Rosado-Sánchez**, 2333, High regulatory T-cell predicts low CD4 recovery, and is associated with exacerbated CD4 turnover and inflammation in HIV-patients at risk of low CD4 recovery.
- 794 **Jaeu Yi**, 663, The Lymphoproliferative Disorder from Depletion of Regulatory T cells (Tregs) Occurs Independently of Commensal Microbial and Dietary Antigens and Accompanies Robust Peripheral Treg Generation
- 795 **Joni Keto**, 3700, Immunomodulatory functions of Lactobacillus casei surface proteins induced in interaction with intestinal epithelial cells
- 796 **Jun Young Lee**, 1006, T cell tuning to self-reactivity generates a population of resting naïve Tregs that sensing recent activation of T conventional cells.
- 797 **Junko Nishio**, 3705, Requirement of full TCR repertoire for regulatory T cells to maintain intestinal homeostasis
- 798 **Kazue Someya**, 2491, Enhanced stability of the Foxp3 expression by forced expression of TET DNA demethylase catalytic domain in iTregs
- 799 **Paula Gonzalez-Figueroa**, 3703, TFR cells regulate the germinal center to prevent the emergence of self-reactive and IgE-producing plasma cells
- 800 **Pavel Jinoch**, 2343, Optimized whole blood flow cytometry assay that improves separation of Foxp3+ and Foxp3- cells using 3G3 monoclonal antibody
- 801 **Peggy Teh**, 3775, The Transcriptional Regulator, IRF4 is Essential for the Development of Follicular T Regulatory Cells
- 802 **Saket Srivastava**, 1482, Characterisation and Selection of Highly Suppressive Alloantigen Specific Regulatory T Cells from Umbilical Cord Blood
- 803 **Sedaminou Judith GBENOUDON formerly SATOGUINA**, 4211, IgG4 induced by regulatory T cells inhibits in vitro haemolysis and inversely correlates with clinical anaemia in infants.
- 804 **Sharad Shrestha**, 2843, Pten-Foxo1 signaling prevents autoimmunity by reinforcing maintenance of TH1 and TFH responses
- 805 **Shigenori Nagai**, 3689, Phosphorylation of Akt and Foxos induced by TGF-β negatively regulates the differentiation of induced regulatory T cells
- 806 **simon Barry**, 2086, A Novel human T cell expansion technology for affordable cell therapy
- 807 **simon Barry**, 2104, A new biomarker of stable regulatory T cell function which has diagnostic utility in type 1 diabetes.
- 808 **Szu-Ying Chen**, 4607, Regulatory T cells induced by B cells as a potent therapeutic approach for osteoporosis
- 809 **Tsai Yi Chen**, 4667, Study on the role of galectins in the regulatory function of T-reg-of-B cells
- 810 **Xiaowei Wu**, 4775, Characterization of a novel mouse IL-33R (ST2)-specific monoclonal antibody
- 811 **Yuji Kashiwakura**, 2242, Foxp3+ regulatory T cells are maintained and induced by CD2-stimulation ex vivo
- 1375 **Tamer Basel Shabaneh**, 4480, Elucidating the oncogene-driven regulatory T cell responses during melanoma tumorigenesis.

Aging & Perinatal Immunology

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 812 **Abbe Vallejo**, 1523, Robust innate immunity underlies protection from acute endotoxemia in a long-lived mouse model of successful aging
- 813 **Ailin Lepletier**, 1210, THYMIC EPITHELIAL PROGENITOR CELL ACTIVATION FOLLOWING SEX STEROID BLOCKADE
- 814 **Anshu Agrawal**, 975, Dendritic Cells from Aged Subjects Display Impaired Capacity to Induce Mucosal Tolerance
- 815 **Azad Kaushik**, 530, IGHV and IGHD encoding antibodies with exceptionally long CDR3H are most expressed at birth in the bovine neonate
- 816 **Birgit Weinberger**, 944, Immune response and early transcriptional changes after primary and booster vaccination against Hepatitis B in young and old adults
- 817 **Christine Bui**, 2097, Effects of Interleukin-1 receptor antagonist on airway remodeling and hyperreactivity in murine bronchopulmonary dysplasia induced by perinatal inflammation and hyperoxia.
- 818 **Connie Jackaman**, 784, Targeting macrophages rescues age and tumor-induced T cell dysfunction in elderly mice
- 819 **Delia Nelson**, 896, Despite generating a weak tumour-specific CTL response during tumour progression chemotherapy is only effective in elderly mice if T cells are present
- 820 **Devi Ngo**, 2124, Refining anti-inflammatory therapy strategies in a murine model of bronchopulmonary dysplasia induced by perinatal inflammation and hyperoxia
- 821 **Florentina Sava**, 59, Plasma vitamin D levels and the inflammatory status of preterm infants
- 822 **Gergely Toldi**, 1700, Impact of aging on calcium influx and potassium channel characteristics of T lymphocytes
- 823 **Jason Chun Lao**, 2095, Shedding Light on Preterm Immunity
- 824 **Joanne Gardner**, 854, Aging induces increased expression of checkpoint inhibitory molecules on dendritic cells
- 825 **Marcel Friedrich Nold**, 3312, Comparison of intestinal innate lymphoid cell in neonatal mice with necrotizing enterocolitis to healthy controls and young adult mice.
- 826 **Marcia Arenas-Hernandez**, 4216, The depletion of regulatory T cells in the third trimester increases the susceptibility for LPS-induced preterm birth and causes adverse neonatal outcomes
- 827 **Megan Smithey**, 1587, Aging with MCMV maintains TCR repertoire diversity in late life
- 828 **Melissa Ng**, 4021, The roles of Krüppel-like factors (KLF) 9 and 10 in the regulation of the fetal naïve T cell epigenome
- 829 **Nan-ping Weng**, 3344, Characterization of human TCR repertoire of CD4+ and CD8+ T cells and its implications in evaluation of T cell immunity and aging
- 830 **Nichol Holodick**, 2051, Age-related Decline in Natural IgM Function: Diversification and Selection of the B-1a Cell Pool with Age
- 831 **Pärt Peterson**, 3007, Age-related profiling of DNA methylation in CD8+ T cells reveals changes in immune response and transcriptional regulator genes
- 832 **Priya Sarate**, 2745, Recombinant probiotic bacteria expressing allergen-chimers for the neonatal prevention of poly-sensitization
- 833 **Rangsima Reantragoon**, 899, Immune mediators in the development of osteoarthritis
- 834 **Sofya Kasatskaya**, 3118, Long-term dynamics of individual T-cell receptor beta repertoires
- 835 **Stephanie Trend**, 386, Innate and adaptive immune defence molecules and cells of human milk
- 836 **Tamas Fulop**, 389, Early signaling changes with aging in human T cell subpopulations
- 837 **Thomas Angelovich**, 2072, Monocytes from older men form foam cells more readily than those from younger individuals
- 838 **Xu Yan**, 1570, Characteristics of age-related alteration of T cell repertoire, thymic recent output function and miRNAs

Antigen Processing & Presentation

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 839 **Alexis Perros**, 863, Homozygosity for the HLA-DRB1*15 allele is associated with a Responder profile in RhD-immunised blood donors
- 840 **Amandine Bovay**, 183, Biased T cell receptor usage by HLA-A*02-restricted CD8 T-cells specific for the yellow fever viral peptide NS4b212-222
- 841 **Anna Fridman**, 1845, Study of Viral Antigen Processing and Presentation by MHC class II using Recombinant Antibodies that Mimic T-cell Receptor Specificity
- 842 **Anthony Di Carluccio**, 3803, Functional analysis of Immunodominant CD8+ T cell responses against unpredicted epitopes from Influenza Virus.
- 843 **Anupama Pasam**, 3248, QS-21 enhances cross-presentation of NY-ESO-1 by monocyte-derived dendritic cells in vitro
- 844 **Brendan Reed**, 4788, Antigen Processing and Presentation in Type 1 Diabetes
- 845 **Damien Zanker**, 3809, Immunoproteasome subunit LMP2 is crucial for lymphocyte survival and is a pro-survival factor for human Multiple Myeloma.
- 846 **Eduardo Reyes-Vargas**, 198, MHCII with full peptide occupancy is a substrate for HLA-DM catalyzed peptide exchange
- 847 **Elena Morandi**, 3318, EBV infection affects the processing of myelin oligodendrocyte glycoprotein in B cells - Implications for Multiple Sclerosis
- 848 **Francis Eko**, 1160, VCG modulate innate and adaptive immune responses to vaccine antigens
- 849 **Haiyin Liu**, 540, March8 regulates thymic epithelial cell MHC II trafficking and CD4+ T cell development
- 850 **Kavya Swaminathan**, 3453, Immuno-proteomic interrogation of antigen presentation during Dengue infection reveals novel and HLA haplotype-specific MHC-I antigens
- 851 **Ken'ichi Imanishi**, 128, Studies on the binding affinities of Yersinia pseudotuberculosis-derived mitogen to MHC class II and TCR Vβ molecules
- 852 **Koichi Kobayashi**, 1028, NLRC5/CITA is a target for immune evasion of cancer
- 853 **Merilyn Hibma**, 897, Immune modulation of Langerhans cells by microparticles from human papillomavirus type 16 E7 expressing keratinocytes.
- 854 **Morad-Remy Muhsin**, 2103, Role of melanoma apoptotic vesicles in tumour immunity and coagulation
- 855 **Phillip Pymm**, 2125, Non-canonical MHC-I peptide binding enables a novel mechanism of HIV-1 escape
- 856 **Seisuke Kusano**, 2417, The flanking region of cedar pollen peptide in complex with HLA-DP5 facilitates T-cell activation.
- 857 **Yiwei Chu**, 1706, The spatial arrangement and mobility of molecules in the immunological synapse participate in regulation of the early immune response
- 858 **Ylva Kaiser**, 813, TCR-HLA interactions implicate vimentin as a candidate autoantigen in pulmonary sarcoidosis

Poster Number

- 859 **Ahmed Alshehri**, 2703, Pathogenic Role of Anti-Voltage Gate Calcium Channel Antibodies in Mediating Beta Cells Stress in Type 1 Diabetes
- 860 **Ahmet Eken**, 898, S1P1 deletion differentially affects TH17 and Regulatory T cells
- 861 **Andrea Godfrey**, 3150, Apototic Antigen-Coupled Splenocytes Suppress Autoimmune Anti-Myeloperoxidase Glomerulonephritis in a Tolerogenic Manner
- 862 **Andrew Foers**, 2092, Isolating Small Extracellular Vesicles from Synovial Fluid
- 863 **Anna Malara**, 4064, The immunological effects of sitagliptin treatment in patients with psoriasis.
- 864 **Audrey Margery-Muir**, 193, Immunological studies on an Australian cohort of patients diagnosed with systemic lupus erythematosus
- 865 **Barbara Coulson**, 1334, Rotavirus acceleration of type 1 diabetes depends on type I interferon signalling
- 866 **Bogoljub Ciric**, 4301, ?dbIGATA mice are resistant to experimental autoimmune encephalomyelitis.
- 867 **Brian Evavold**, 4180, NF-M is not critical to the development of MOG induced EAE
- 868 **Bruno Donatini**, 2106, Exhaled methylacetate levels differ according to dysimmune diseases and existence of severe liver steatosis.
- 869 **Bruno Donatini**, 2123, In patients with a medical history of allergy, steatohepatitis is more frequent in Hashimoto thyroiditis (HT) than in Crohn's disease (CD) or multiple sclerosis (MS).
- 870 **Cecilia Hagert**, 1726, Mannose receptor (MR) have a protective role in mannan induced psoriasis (MIP)
- 871 **CHANG HE**, 454, Effect of gene delivery plasmid encoding Interleukin-19 on rat Experimental Autoimmune Myocarditis
- 872 **Chao-Yi Wu**, 4080, Serum IL-18 as Biomarker in Predicting Long-term Renal Outcome in Pediatric-onset Systemic Lupus Erythematosus
- 873 **Christine Bundell**, 2903, Antinuclear antibodies: Quantitative prediction of Lupus-related and other morbidity and mortality.
- 874 **Claudia Selck**, 657, Neonatal expression of IGRP is sufficient to induce lifelong protection from autoreactive IGRP-specific T cells in NOD mice
- 875 **Daisuke Takahashi**, 3004, Microbial fermentation product butyrate Ameliorates Autoimmune Arthritis.
- 876 **Daniela Hirigoyen**, 1958, Increased serum IL-21 in Systemic Lupus Erythematosus patients with Vitamin D deficiency
- 877 **Daniëlle Vaartjes**, 825, Increased salt exposure affects both lymphoid and myeloid effector functions, influencing antibody-induced arthritis but not autoimmunity
- 878 **Diahann Jansen**, 1378, Collagen specific CD4+ T-cells restricted by HLA-DRB1*0101 are selected into the repertoire and expand in disease in mice and patients with inflammatory arthritis
- 879 **Diana Castaño**, 1588, Increased frequency of circulating microparticles forming immune complexes, and their putative receptors in monocytes subsets in patients with Systemic Lupus Erythematosus
- 880 **Dongqing Zhang**, 2176, IRF7-Dependent IFN- β Production in Response to RANKL is Crucial for Bone Metabolism in CAIA arthritis model Qi-Wen Yu1, Xu-Hua Chen2, Ni-Nan Chen1,2 Dong-Qing Zhang1*
- 881 **Dragana Dragoljevic**, 3173, Atherosclerotic lesion regression is impaired in the K/BxN model of rheumatoid arthritis, independent of circulating cholesterol levels.
- 882 **Ersin Gül**, 1717, Type I Interferon Associated Immune Responses In STING Associated Vasculopathy With Onset In Infancy (SAVI) Patients
- 883 **Eskandar Kamali-Sarvestani**, 4541, Association of IL-27 gene polymorphisms (rs153109 and rs17855750) and its sera levels with risk of Systemic Sclerosis
- 884 **Eun-kyeong Jang**, 2229, Splenic long-lived plasma cells act as antigen-presenting cells preferentially driving the development of follicular helper T cells
- 885 **EUROPA AZUCENA GONZÁLEZ NAVARRO**, 2833, Autoimmune evaluation in patients with Idiopathic Portal Hypertension (IPH). Potential pathophysiological role and biomarkers
- 886 **Farah Al-Ansari**, 3313, The role of CD8+ T regulatory cells in the development of autoimmune thyroid diseases (AITD) and Thyroid eye disease (TED)
- 887 **Gerhild Wildner**, 402, Immune mechanisms in chronic or relapsing autoimmune diseases investigated in the experimental rat model of autoimmune uveitis (EAU)
- 888 **Grant Parnell**, 1327, Shared genetic and environmental risk factors for the autoimmune diseases Type 1 Diabetes Mellitus and Multiple Sclerosis
- 889 **Gregory Tsay**, 577, Immune response to gingipain of Porphyromonas gingivalis in periodontitis and rheumatoid arthritis
- 890 **Gu-Jiun Lin**, 2885, Vapric acid treatment suppresses autoimmune recurrence and allograft rejection in islet transplantation for type 1 diabetes
- 891 **Hong Nie**, 3659, Blockade of IL-7R α alleviates collagen-induced arthritis via inhibiting Th1 cell differentiation and CD4+ T cell migration
- 892 **Hong-Di Ma**, 1876, CXCR3 Chemokine Axis Regulates T cell Function in Autoimmune Cholangitis
- 893 **Huey-Kang Sytwu**, 3969, Unraveling Autoimmune Diabetes by Using Genetically Modified Mouse Models: From mechanism dissection to clinical application
- 894 **Ilan Bank**, 690, CD1d and lipid regulation of Vdelta1 and Vgamma9 T cells in systemic sclerosis
- 895 **Irina Buckle**, 1309, Development of a model for antigen-specific tolerising immunotherapy and response in NOD mice
- 896 **James Rush**, 4352, CD40-pathway activation in ectopic lymphoid structure (ELS)-resident B cells contributes to disease pathology in primary Sj
- 897 **James Wiley**, 4507, Variants of the pro-inflammatory P2X7 receptor on platelets are associated with the acute attack of multiple sclerosis
- 898 **Jan Stallen**, 1760, High throughput screening co-culture assay to identify novel targets in IBD
- 899 **Jessica NATT**, 1471, Identification of new therapeutic targets for the control of autoreactive plasma cells in inflamed kidneys in systemic lupus erythematosus
- 900 **Jonathan Sitrin**, 4572, Regulation of Murine Lupus Nephritis and Nephritic T cell Responses by Ox40/Ox40L
- 901 **Joshua Ooi**, 453, CD8+ T cells effect glomerular injury in experimental anti-myeloperoxidase glomerulonephritis
- 902 **Kaori Sakakibara**, 645, Elevation of serum Sema4A in neuromyelitis optica spectrum disorders (NMOSD)
- 903 **Kazuko FUJITA**, 1319, Irradiation on NZBWF1 mice is an effective therapy for SLE-like morbidity.
- 904 **Keith Sacco**, 2457, Rethinking Rowell Syndrome
- 905 **Kim Sempfendorfer**, 2675, Autoimmune associated missense mutation in the human gene TNIP1 does not affect protein cellular localization
- 906 **Kuang-Hui Sun**, 4419, TREM-1 knockout promotes lupus-like syndrome in mice
- 907 **Kurosh Kalantar**, 246, Fc Receptor-like Proteins (FCRL) 3 polymorphisms in Hashimoto's disease
- 908 **Linlin Wang**, 3347, Autophagy is Suppressed by Immune Complex and TNF-alpha in Glomerular Endothelial Cells
- 909 **Li-Teng Ong**, 930, Characterization of the Systemic Lupus Erythematosus associated single nucleotide polymorphism RS1143678 in integrin α M(CD11b) subunit.
- 910 **Li-Tzu Yeh**, 3301, The avidity of T cell receptor for self peptide-MHC complex dictates the diabetogenicity of CD8+ T cells in autoimmune diabetes
- 911 **Lucas Michaela**, 3065, Autoimmune manifestations of chronic Hepatitis C virus infection
- 912 **M. Arifur Rahman**, 3267, Restraint of autoreactive T cell expansion is defective in female BALB/c ZAP70W163C mutant (SKG) mice
- 913 **Mahaboobkhan Rasool**, 1441, Targeted delivery of withaferin-A incorporated mannosylated liposomes to the synovial macrophages suppresses the inflammatory immune response in adjuvant-induced arthritic rats- A potential therapeutic ϵ
- 914 **Malgorzata Trela**, 2346, The potential role of Human Endogenous Retrovirus HERV-K10 in the pathogenesis of rheumatoid arthritis through molecular mimicry
- 915 **Margaret Jordan**, 2738, Unravelling the Multiple Sclerosis complex disease trait through an immune transcriptional regulatory network approach.
- 916 **Maria Bono**, 1720, Role of PD-L2 in B lymphocytes during the development of lupus
- 917 **Maria Diedrichs-Moehring**, 1148, A novel drug targeting dihydroorotate dehydrogenase for treating inflammation and chorioretinal neovascularization in relapsing-remitting and chronic experimental autoimmune uveitis
- 918 **Maria-Luiza Petzl-Erlor**, 3491, The pemphigus-differentially expressed miR-223-3p induces p38 MAPK phosphorylation and IL-8 secretion possibly through direct inhibition of DUSP21
- 919 **Marta Español Rego**, 923, Anti-GSTT1 antibodies and graft rejection in liver and kidney transplantation
- 920 **Mary Canavan**, 1492, CD141+ CLEC9A+ Dendritic cells are enriched in an active state in the inflamed synovium and contribute to synovial inflammation in Rheumatoid Arthritis
- 921 **Maryam Izad**, 1733, Increased circulating follicular T helper (Tfh) cells in children with type I diabetes

922 Maryam Rastin, 2017, Correlation of miR-146a and miR-155 with regulatory T cell in Systemic Lupus Erythematosus patients
923 Maryam Rastin, 2031, Correlation of TLRs with autoantibodies profile in systemic lupus erythematosus patients
924 Megan Huynh, 637, In experimental autoimmune anti-glomerular basement membrane glomerulonephritis, HLA-DR15 inhibition blocks autoreactivity to the immunodominant T cell epitope, α 3135-145, and prevents disease
925 Mei Han, 4288, Changes of MMP-2 and MMP-9 levels in Arthritis Rats After Inhibiting of LOX
926 Melinda Hardy, 320, The gluten-specific T cell repertoire is stable in coeliac disease irrespective of age
927 Meng Xia, 4521, Methyltransferase Ash1l controls T cell autoimmunity by upregulating Smad3 to polarize iTreg cell generation
928 Mitsuru Matsumoto, 3370, Augmented AIRE expression paradoxically induces polymyositis-like autoimmunity in mice
929 Naozumi Ishimaru, 677, Impaired expansion of regulatory T cells in a neonatal thymectomy-induced autoimmune mouse model
930 Natasha Anstee, 4787, Overexpression of Mcl-1 exacerbates lymphocyte accumulation and autoimmune kidney disease in lpr mice
931 Niewold Timothy B, 4571, Single Cell Gene Expression Studies in Lupus Patient Monocytes Reveal Novel Patterns Reflecting Disease Activity, Interferon, and Medical Treatment
932 Otsuka Kunihiro, 2152, Analysis of follicular helper T cells in a mouse model for Sjögren's syndrome
933 Pirooz Zareie, 726, Clozapine ameliorates experimental autoimmune encephalomyelitis in a CD4 independent fashion
934 Quan-Zhen Li, 2370, Autoantigen microarray profiling identified IgA antibody clusters associated with autoimmune clinical manifestations in Systemic lupus erythematosus, systemic sclerosis and idiopathic inflammatory myositis
935 Rikke Lyngaa, 1420, High-throughput discovery of T cell Epitopes in Type 1 Diabetes using DNA barcode labelled peptide-MHC multimers
936 SAITO MASAKO, 2126, Abnormal germinal center (GC) reaction in autoimmunity
937 Sandra Kleinau, 1874, Identification of self-reactive marginal-zone B cell like cells in lymph nodes of mice
938 Seung Hoon Lee, 302, HtrA2 suppresses autoimmune arthritis and regulates activation of STAT3
939 Shiu-Ju Yang, 1917, Natural killer cells are required for the development of imiquimod-induced psoriasis-like skin inflammation
940 Silke Appel, 3981, Toll-like receptors in primary Sjögren's syndrome
941 Soi Cheng Law, 3572, Oligoclonally expanded CD4+ T cells recognising citrullinated vimentin in peripheral blood of Rheumatoid Arthritis patients.
942 Sun Xiaolin, 3676, Elevated GITRL is associated with multi-organ involvement and increased disease activity of primary sjogren's syndrome (pSS) and promotes pathogenic Th17 differentiation
943 Susan Yung, 1042, Serum and Intra-renal CD44 Levels Correlate with Disease Activity in Patients with Lupus Nephritis
944 Taizo Mori, 1376, An autoimmune disease-associated gene, Lnk/Sh2b3 controls inflammation in adipose tissue and reduces the risk for onset of diabetes
945 Tak Mao Chan, 1046, Serum Acetate Levels Correlate with Disease Activity in Patients with Lupus Nephritis
946 Takeshi Machida, 286, IFN- γ -receptor is required for intrafollicular localization of autoreactive marginal zone-B cells in the spleens of lupus-prone MRL+/- mice
947 Thammasate Boonyakiat, 1834, The Decreased Expression of miR-10a in Mesangial Cells Treated with Anti-dsDNA Antibodies and in Lupus Nephritis kidney tissues
948 Ujla Minhas, 794, Is generation of reactive oxygen species (ROS) in pristane induced lupus responsible for development of autoimmunity?
949 Vani Janakiraman, 4079, Alphaviruses mediated arthritis in humans: A possible role for autoimmunity through molecular mimicry
950 Vicki Maltby, 3861, CD4+ T cells show a distinct epigenetic signature between disease states in Multiple Sclerosis patients
951 Wei-Cheng Yang, 1647, Defective regulatory T cell function results in autoimmune progression in New Zealand Black mice
952 Wenhai Shao, 281, Opposing roles of tyrosine kinase receptors Mer and Axl determine clinical outcome in a mouse model of nephritis
953 William Figgett, 3865, Deleting the BAFF receptor TACI protects against systemic lupus erythematosus without extensive reduction of B cell numbers
954 William Murray-Brown, 4580, Next-generation sequencing demonstrates dynamic recirculation of B cell clones in ectopic lymphoid structures of Sj
955 Xiaolei Tang, 4312, Dendritic Cells Engineered for De Novo Synthesis of Calcitriol and Retinoic Acid Prime Gut-homing Regulatory T cells and Rapidly Arrest Progression of Ongoing Experimental Colitis
956 Yu Tsurekawa, 3970, Mild electrical stimulation with heat shock suppresses skin hyperplasia in imiquimod-induced psoriasis model
957 Yu-Wen Liu, 3416, Blimp-1 deficiency exacerbates the pathogenic processes of autoimmune diabetes in NOD mice harboring islet antigen-specific TCR repertoire
1363 Mhairi Maxwell, 2107, Expression of catalytically inactive Lyn tyrosine kinase limits inflammation and autoimmune disease
1368 Jorge Aponte, 3962, Factors associated with mortality in patients with autoimmune diseases admitted to the intensive care unit
1371 Kira Rubtsova, 4791, T-bet expressing B cells are required for the development of autoimmunity
1374 Ming-Wei Chien, 543, Transgenic expression of N-acetylglucosaminyltransferase V in T cells accelerates autoimmune diabetes in NOD mice by enhancing pathogenicity of CD8 T cells
1383 Emily Karina Rincon Alvarez, 4046, Characterization of patients with autoimmune diseases who were admitted to a university hospital in Bogota, Colombia between 2008 and 2015
1392 Edith Oregon-Romero, 1753, Analysis of CTLA-4 gene polymorphisms (-319 C/T, +49 A/G, CT60 G/A) in primary Sjögren's syndrome

Dendritic Cells

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 958 **Chelsea Back**, 1695, Effects of α 1-Adrenergic Receptor Stimulation on Pro- and Anti-Inflammatory Cytokine Production by Dendritic Cells
- 959 **Cristian Doñas**, 835, GSK-J4 a potent and selective inhibitor of the H3K27 demethylase JMJD3/UTX limits inflammation by favoring a tolerogenic potential in dendritic cells
- 960 **Elyce du Mez**, 486, Individual and cocktails of TLR ligands influence APCs in situ in human skin explants
- 961 **Giorgia Rota**, 374, T cell priming ability by activated, Nlr5-deficient DCs is unaffected despite partially reduced MHCI levels
- 962 **Håvard Eggsetøl**, 3966, Distribution of the potential DC-markers DEC205, Langerin, DC-LAMP and DC-SIGN within tissues of Atlantic salmon (*Salmo salar* L.) and their response upon challenge with microbes
- 963 **Jing-Jing Chuang**, 4106, The phenotypical and functional effects of dendritic cells by calyx extract of a new variety *Hibiscus sabdariffa* with superior anthocyanin
- 964 **Jo Pooley**, 1248, Investigating the role of dendritic cells in a mouse model of Myelodysplasia.
- 965 **Junko Kajimura**, 653, Effect of past radiation exposure on the circulating dendritic cell populations in A-bomb survivors
- 966 **Katarzyna Maria Luda**, 1388, -----IRF8 dependent classical dendritic cells are essential for intestinal T cell homeostasis
- 967 **Kazufumi Kunimura**, 1687, Coordinate regulation of dendritic cell migration by the DOCK family of Rac guanine exchange factors
- 968 **Kirstie Bertram**, 1338, Identification of unique dendritic cell and macrophage subsets in human anogenital tissues
- 969 **Lars Adamson**, 1505, GMP-production of an allogenic DC-based cancer vaccine (INTUVAX) for treatment of patients with metastatic kidney-or primary liver cancer. Comparison of two production platforms for DC-generation.
- 970 **Lidia Szulc-Dabrowska**, 608, Ectromelia virus-induced down-regulation of genes associated with myeloid dendritic cell activation and maturation is mouse-strain independent
- 971 **Marilou Barrios**, 2101, A endogenous retroviral noncoding RNA is highly enriched in dendritic cell exosomes and transferred to recipient cells in vitro and in vivo
- 972 **Marina Shevchenko**, 1904, The influence of immunosuppression on intraepithelial airway mucosal dendritic cell
- 973 **Myriam Pujol Moris**, 4613, Human and Canine Dendritic Cell Responses triggered by *Brucella canis* and *Escherichia coli* Lipopolysaccharide
- 974 **Peter See**, 2790, Identification of human DC precursors through the integration of high dimensional strategies
- 975 **Pia Larssen**, 692, Modulation of dendritic cells by exosomes derived from human breast milk and plasma
- 976 **Raquel Camacho**, 1595, Characterization of Dendritic Cells of Gingival Mucosa in Subjects with Periodontal Disease.
- 977 **Richter Anne**, 4022, Column-based untouched magnetic separation of human pDCs yields superior performance and functionally unaffected cells
- 978 **see liang ng**, 3603, Importance of lung migratory DC in Influenza immunity
- 979 **Sonia GHILAS**, 1728, XCR1 expression by dendritic cells promotes NK cell activation during viral infection
- 980 **Thibaut Janss**, 4520, Interferon response factor-3 is required for the pro-Th2 activity of mouse myeloid CD11b+ dendritic cells
- 981 **Ying Hey**, 997, Gene profiling of murine splenic dendritic and myeloid subsets
- 982 **Zehua Tian**, 1322, The Role of Inflammatory Stimuli in Dendritic Cell Biology
- 1376 **Fabiola Osorio**, 3967, The unfolded protein response sensor IRE1 α modulates innate recognition and antigen presentation of melanoma tumor cells
- 1388 **Sang-jun Ha**, 2134, In vitro generation of tolerogenic DCs using an inhibitor for glycogen synthase kinase 3 beta
- 1409 **Nataliya Starostina**, 4473, Recurrent herpes virus infection: treatment with dendritic cells vaccines

Stem Cells & Immunity

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 983 **Alla Dolnikov**, 3181, Increasing stem cell dose promotes immune reconstitution following stem cell transplant
- 984 **Christie Short**, 4678, Investigating myeloid development in the context of a spleen microenvironment
- 985 **Daniela Zalcenstein**, 4652, Single cell sequencing reveals heterogeneity within murine bone marrow derived stem and progenitor population
- 986 **Fabiano Pinheiro da Silva**, 159, LL-37 upregulates genes related to stemness in breast cancer cells
- 987 **Helen O'NEILL**, 1398, Delineation of cellular niches which support hematopoiesis in spleen
- 988 **Hongyan WANG**, 3240, Combination of T-cell secreted cytokines promotes long-term muscle stem cell expansion
- 989 **Huei-Ling Kuo**, 3870, Study on the role of PPAR- γ in the immune regulatory activities during mesenchymal stem cell differentiation
- 990 **Imma Creus**, 4377, Linking the gene expression profile of a cell with its fate
- 991 **Jaring Schreuder**, 1035, Lineage priming in early hematopoietic progenitors as revealed by in vitro clone splitting experiments
- 992 **Jasmine Wilson**, 2880, Directing therapeutic stem cells to the inflamed CNS to augment repair and limit neuroinflammation in experimental MS
- 993 **Jesse Armitage**, 1114, Mesenchymal stem cell infusion modulates systemic inflammation in patients with chronic obstructive pulmonary disorder (COPD).
- 994 **Jung-Yeon Lim**, 4375, Enhanced immunoregulation of mesenchymal stem cells by IL-10-producing type 1 regulatory T cells in collagen-induced arthritis
- 995 **Kerrie Foyle**, 2725, Dental pulp stem cells inhibit encephalitogenic T cell responses and suppress disease in an animal model of multiple sclerosis
- 996 **Rai Vivek**, 1969, Autotaxin a cytokine modulator, is a critical regulator of satellite cell functions and skeletal muscle repair
- 997 **Saeedeh Darzi**, 1251, Interplay Between Macrophages and Human Endometrial Stem/Stromal Cells on Mesh Implants in a Mouse Model
- 998 **Shiu-Huey Chou**, 1995, Evaluation the capacity of immune tolerance induction on tissue-derived stromal cells in allogeneic setting
- 999 **Tracy Heng**, 2411, A dual role for alveolar macrophages in mesenchymal stem/stromal cell therapy
- 1000 **Yong-Soo Lee**, 3422, Probiotic-derived lactate accelerates intestinal stem cell-mediated epithelial regeneration and ameliorates injury
- 1001 **Youngheun Jee**, 2758, Protective effect of Phloroglucinol against gamma radiation-induced oxidative stress in hair follicle
- 1002 **ZIH TING WANG**, 3480, Study on the nutrients on the adipogenesis and immune regulatory activities of mesenchymal stem cells

T Cell Development

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 1003 **AJITHKUMAR VASANTHAKUMAR**, 2610, TCR induced transcription factors RelA and IRF4 co-operatively regulate the differentiation of effector Treg cells
- 1004 **Antonia Policheni**, 4665, Apoptosis Regulates Thymic Progenitor Fitness and Progression to T Cell Acute Lymphoblastic Leukemia
- 1005 **Atsushi Onodera**, 2246, Spatial interplay between Polycomb and Trithorax complexes controls transcriptional activity in T lymphocytes.
- 1006 **Daniel Gray**, 1609, Apoptosis Regulates Thymic Progenitor Fitness and Progression to T Cell Acute Lymphoblastic Leukemia
- 1007 **Daniel Gray**, 1633, The histone acetylase HBO1 directs expression of the autoimmune regulator AIRE in thymic epithelial cells.
- 1008 **Daniel Gray**, 1634, EGF Regulation of MCL-1 is Indispensable for Thymic Epithelial Cell Survival and Thymic Function
- 1009 **Egor Batorov**, 550, Homeostatic proliferation maintains recent thymic emigrants' phenotype of naive T cells and TCR signaling affects «thymic» phenotype of memory T cells in hemoblastosis patients
- 1010 **Frederik Graw**, 1965, Assessing the role of CXCR4 in the CD8+ T cell response to vaccinia virus with mathematical modeling
- 1011 **Grant Emma**, 2094, Superior activation of human naive CD27hiCD45RA+CD8+ T cells in the presence of CD27 co-stimulation
- 1012 **Jane Beil-Wagner**, 2786, Although Gtf2h4 is highly expressed in double positive thymocytes there is no fundamental role regarding negative selection and T cell development
- 1013 **Jazmina L. González Cruz**, 1213, CD4+CD8+ double-positive T-cells regulate CD8+ single-positive T cell function in the skin
- 1014 **Jeffrey Yen**, 1792, CBAP promotes thymocyte negative selection by facilitating T cell receptor proximal signaling
- 1015 **Jim Song**, 449, C-Myc regulation by Notch Signaling Modulates T Cell Differentiation
- 1016 **Jin Yan Yap**, 2752, Two waves of thymic deletion distinguished by differential dependence on thymic antigen-presenting cell subsets
- 1017 **Jingjing Liang**, 4586, Tespa1 regulates late thymocyte development through interacting with inositol 1,4,5-triphosphate (IP3) receptors
- 1018 **Katsuto Hozumi**, 877, Different extracellular regions of Notch ligands, Dll1 and Dll4, are necessary for supporting T cell development.
- 1019 **Lie Wang**, 4651, CXXC finger protein 1 is critical for T cell intrathymic development through regulating H3K4 trimethylation
- 1020 **Lucy Sullivan**, 1052, T cell receptor recognition of the non-classical MHC molecule HLA-E
- 1021 **Mehmet Yabas**, 2797, A critical role for proper fucosylation in T cell development
- 1022 **Mingzhu Zheng**, 1123, PP2A C subunit isoform α (PP2Ac) is essential for early T cell development
- 1023 **Mirren Charnley**, 1252, Elucidating T cell fate using microfabricated cell culture platforms
- 1024 **Nasrin Akhter**, 2424, The Redox function of apurinic/apyrimidinic endonuclease1/redox factor-1 (Ape1/Ref-1) modulates helper T cell response through antigen presenting cells
- 1025 **Nicolai van Oers**, 3356, MiR-205 Maintains T Cell Output from the Thymus by Positively Regulating Foxn1 Expression
- 1026 **Novita Novita**, 1804, Scribble is an important regulator of T cell development
- 1027 **Philippa Barton**, 4018, Screening of mouse mutagenesis pipeline for Cytotoxic T Lymphocyte function
- 1028 **Rushika Wirasinha**, 2976, Quantification of the peripheral T cell repertoire that escapes negative selection due to attenuated TCR signalling
- 1029 **Salema Jafri**, 1970, Bone Morphogenetic Protein Type-II Receptor Mutation Affects Circulatory T Cell Subsets but is Dispensable for B Cell Development in Mouse Models of Pulmonary Arterial Hypertension
- 1030 **Sophia Sarafova**, 2362, Functional Analysis of a Developmental Stage Specific Enhancer in the CD4 Locus
- 1031 **Taku Kureha**, 4429, Poly(A) shortening of ASK1 mRNA contributes to positive selection of thymocytes through impairment of TCR-induced stress response
- 1032 **Xavier, Yi Xiong Sng**, 2598, The Impact Of The Selecting MHC I Molecule On Epitope-Specific CD8 T Cell Repertoire and Function
- 1033 **Xiao Liu**, 1537, CRTAM is differentially regulated in naive CD4 T-cells by IL-6 and IL-27
- 1034 **Yik Chun (Michael) Wong**, 3549, CD4 T cell help for a more potent CD8 T cell response against hepatocyte-expressed antigens
- 1035 **Youngheun Jee**, 2749, Drinking Jeju ground water containing vanadium leads to immune activation in chronically stressed mice
- 1261 **Jason Rawlings**, 1175, Mechanisms controlling activation-induced chromatin decondensation and proliferative competence in peripheral T cells

T Cell Memory

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 1036 **Anna Gil**, 2968, Acute influenza A virus (IAV) infection in humans leads to expansion of highly diverse CD8 T cell repertoires crossreactive with persistent Epstein Barr virus (EBV)
- 1037 **Cullen Jolie**, 617, The molecular basis of CD4 help during CD8+ T cell memory formation
- 1038 **Daniel Verdon**, 3404, Antigen-specific CD8+ human memory stem T-cell clones: decoupling T-cell differentiation and division.
- 1039 **Elisabetta Padovan**, 4435, A novel IL-17-dependent positive control loop influencing human Th17 physiology and cutaneous inflammation.
- 1040 **Emily Edwards**, 2202, Effect of gain-of-function mutations in PI3 kinase p110d on the phenotype and function of EBV-specific CD8+ T-cells
- 1041 **Flavian Thelen**, 2388, Tissue Resident Memory T Cells Closely Interact with a 3D Macrophage Network for Immune Surveillance of Salivary Gland
- 1042 **Hayley McNamara**, 3026, CD8+ T cells require LFA-1 to patrol the liver and protect against hepatic pathogens
- 1043 **Joseph Benoun**, 487, Reduction in pathogen-specific memory responses after antibiotic treatment increases susceptibility to secondary infection
- 1044 **Katharina Hochheiser**, 3858, Protein tyrosine phosphatase non-receptor type 2 regulates development and function of tissue resident memory T cells
- 1045 **Kevin Fenix**, 2153, CCR2 Is Critical For Memory CD8 T Cell Generation Following Influenza A Virus Infection.
- 1046 **Kun Yang**, 3256, Molecular control of tissue resident memory T cell generation in the liver
- 1047 **Malin Eriksson**, 808, Infection of mice with influenza A virus generates a dichotomy of long-term, local immunity and local immune tolerance of antigen-specific T cells
- 1048 **Manuela Flórido**, 555, Pulmonary immunization with recombinant Influenza A virus stimulates M. tuberculosis-specific CD4+ tissue resident memory T cells in the lung.
- 1049 **Matthew Martin**, 1566, Phenotypic and Functional Alterations in Memory CD8 T Cells with Time after Primary Infection
- 1050 **Simone Park**, 1899, Distinct recirculation potential of phenotypically disparate CD69+CD103- and CD103+ thymic memory T cells
- 1051 **Srinika Ranasinghe**, 845, Non-classical CD8+ T cells restricted by HLA class II DRB1 emerge in HIV infection and show antiviral efficacy and atypical TCR usage
- 1052 **Taisuke Kondo**, 330, Reprogramming of T cells from Effector to Stem Cell Memory by Notch Signaling
- 1053 **Thomas Watkins**, 3236, Dissecting T cell repertoires at the human placenta by fusing high definition gene profiling with TCR massive parallel sequencing
- 1054 **Yevgeniy Yuzefpolskiy**, 3166, Signaling through PD-1 on CD8 T cells is critical for antigen-independent maintenance of immune memory
- 1055 **Yik Chun (Michael) Wong**, 2760, Differentiation of resident memory CD8+ T cells in the liver
- 1403 **Jodi Hanson**, 2465, A positive control for the detection of functional CD4 T cells in human PBMC – CPI protein pool
- 1404 **Tameem Ansari**, 2470, How do ELISPOT size variations affect ELISPOT analysis?
- 1408 **Diana Roen**, 2468, Maximizing odds for detecting a positive T cell response by ELISPOT

Th Subsets

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 1056** **Arata Takeuchi**, 4030, CRTAM instructs the CD4+ cytotoxic T lymphocyte lineage
- 1057** **Bethany Pillay**, 3801, Using immunodeficiency patient cells in in vitro cultures to provide insight into T-helper cell differentiation
- 1058** **Chang-Yien Chan**, 2629, Immunological Signature Predictive of Rituximab Response in a Subgroup of Focal Segmental Glomerulosclerosis Patients
- 1059** **Dietmar Zaiss**, 1761, Innate effector function of Th2 cells is regulated by EGF-R expression
- 1060** **Guotong Fu**, 4585, MINK1 kinase suppresses Th17 cell differentiation and autoimmune inflammation via inhibition of the TGF- β pathway
- 1061** **Hong-Hua Mu**, 3120, Promotion of mouse autoimmune arthritis via TLR4/ICOS/IL-17 axis by mycoplasma superantigen
- 1062** **Julio Gomez Rodriguez**, 4164, Itk is required for Th9 differentiation via TCR-mediated induction of IL-2 and IRF4
- 1063** **Kate Gartlan**, 3947, Th17 plasticity and transition towards a pathogenic cytokine signature is regulated by Cyclosporin after allogeneic-SCT
- 1064** **Kosuke Miyauchi**, 3941, IFN- γ and IL-21 producing Th1 cells dependent IgG2 responses gave a protection to H5N1 pandemic influenza virus.
- 1065** **Laila Abudulai**, 1615, Vaccination induced ICOS+ circulating memory TFH cells share similar characteristics to TFH cells but are dysfunctional and Th2 skewed in chronic HIV-1 infection
- 1066** **Masakatsu Yamashita**, 646, Bach2-Batf interactions control Th2-type immune response by regulating the IL-4 amplification loop
- 1067** **Maximilien Grandclaude**, 3940, Multivariate modeling of human T helper differentiation
- 1068** **Nabila SEDDIKI**, 2391, Peripheral memory OX40+CXCR5+PD-1+ Bcl6+ Flu-specific T follicular helper cells elicited by vaccination correlated with anti Hemagglutinin antibody responses in healthy individuals.
- 1069** **Oanh Pham**, 446, Non-cognate stimulation of CD4 T cells contributes to the resolution of intracellular bacterial infections
- 1070** **Sergio Abrignani**, 3592, Long noncoding RNAs: new players in plasticity and new therapeutic opportunities in human immune system
- 1071** **SHENGJUN WANG**, 1033, GITRL enhances p38 MAPK/STAT3 signaling to promote Th17 cells differentiation in autoimmune arthritis
- 1072** **Sibylle von Vietinghoff**, 1514, TGF β induces fractalkine receptor CX3CR1 expression during T cell polarization
- 1073** **Ulus Atasoy**, 1596, The RNA-binding protein HuR is necessary for IL-2 homeostasis and CD4+ T cell differentiation
- 1074** **Villegas-Ospina Simon**, 2949, Vitamin D modulates the expression of HLA-DR and CD38 after in vitro activation of T lymphocytes
- 1075** **Wai-Ping Fung-Leung**, 2483, ROR γ t and ROR α signature genes in human Th17 cells
- 1076** **Yumi Yamashita-Kanemaru**, 2893, CD155 (PVR/Necl5) mediates a costimulatory signal in CD4+ T cells and regulates allergic inflammation

Allergy

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 1077 **Agata Wawrzyniak**, 1103, The influence of vitamin D and cotinine on the T regulatory cells in children with asthma
- 1078 **Agnieszka Lipińska-Opałka**, 1110, The influence of vitamin D and cotinine on the selected immune parameters in children with atopic dermatitis. Preliminary reports.
- 1079 **Anil Mishra**, 837, IL-18 has a critical role in the maturation of pathogenic eosinophils in disease state
- 1080 **Anne Cunningham**, 3649, Sensitization to inhaled allergens and risk factors for allergic diseases (including asthma) in Brunei Darussalam
- 1081 **AN-SOO JANG**, 655, Proteomic identification of moesin upon exposure to smoking irritant
- 1082 **Chao Huang**, 1267, Intestinal Microbiota Regulates OVA-induced Allergic Airway Inflammation via Dual Mechanisms
- 1083 **Chau Ling Tham**, 1903, A Phloroglucinol from *Melicope ptelefolia* Attenuates IgE-Mediated Mast Cell Degranulation via Calcium-Dependent Signalling Pathways
- 1084 **Daniella Bianchi Reis Insuela**, 3799, Glucagon decreases airway hyper-reactivity and inflammation in a murine model of asthma
- 1085 **Dankyu Yoon**, 2341, Whole-exome sequencing identifies three candidate genes for severe atopic dermatitis in Korean childhood
- 1086 **Dong-Hwa Shon**, 71, Oral administration of Piper nigrum fruit extract prevents TMA-induced allergic contact dermatitis by suppressing Th2-associated responses
- 1087 **Fang Yu**, 4289, Generation and characterization of mast cells from wild-derived mice
- 1088 **HanGoo Kang**, 2413, Silver nanoparticles exacerbate atopic dermatitis
- 1089 **Hervé Groux**, 284, Endogenous skin expressed lipocalins as specific targets for skin sensitizer chemicals
- 1090 **Hidetoshi NARA**, 2743, Interleukin-21 has suppressive function in contact hypersensitivity
- 1091 **HSIN-HAN TZENG**, 3028, Environmental bis(2-ethylhexyl) phthalate modulate dendritic cell functions in a peroxisome proliferator-activated receptor gamma-dependent manner
- 1092 **Hyun Jung Lee**, 272, Superoxide Dismutase 3 regulates Th2 immunity in experimental allergic conjunctivitis
- 1093 **Jae Ho Lee**, 1134, Clinical characteristics of oral tolerance induction of rice allergy using IFN-gamma in atopic dermatitis
- 1094 **James Read**, 4506, Characteristics of CD25+Foxp3+ Regulatory T cell subsets in childhood asthma; Preliminary findings in the WATCH for Asthma twin cohort.
- 1095 **Jau-Ling Suen**, 1347, Heme oxygenase-1 suppresses airway inflammation by modulating the function and differentiation of dendritic cells
- 1096 **Jinlu Sun**, 4716, Nickel element distribution in skin tissue of mice nickel-induced allergic contact dermatitis
- 1097 **Joshua Evans Bajao**, 4682, cDNA cloning and in silico characterisation of ML domain protein-Homolog allergen from the House Dust Mite *Suidasia pontifica*
- 1098 **Karmella Naidoo**, 1182, Mast cell-eosinophil crosstalk reveals potential therapeutic strategy for atopic dermatitis
- 1099 **Kazuhiro Ogi**, 4569, The effect of ORMDL3 overexpression in mast cells
- 1100 **Kazuya Takeda**, 1648, Identification of nasal resident bacteria as causative allergens in eosinophilic chronic rhinosinusitis
- 1101 **Kouta Yamamoto**, 2188, Novel compounds that induce specifically class switching to IgA.
- 1102 **Liisa Murray**, 3107, Plasmacytoid dendritic cell numbers predict individual interferon- α production more accurately than TLR7 expression.
- 1103 **Miaw-Ling Chen**, 3251, Dietary olive oil enhanced oral tolerance to attenuate allergic asthma responses
- 1104 **Nazanin Samadi**, 4012, Phenotyping of allergen-reactive CD8+ T cells in IgE-mediated allergy
- 1105 **Niamh M Troy**, 3308, Differential gene network analysis to identify asthma-associated therapeutic targets in house dust mite-specific T-helper memory responses
- 1106 **Nirupama Varese**, 3530, Immunological mechanisms of short-term pre-seasonal sublingual allergen immunotherapy tablet treatment for seasonal allergic rhinitis
- 1107 **Patricia de NADAI**, 1447, Impact of hydrocarbon adsorbed on nanoparticles in house dust mite induced chronic asthma mouse model
- 1108 **Pattraporn Satitsuksanoa**, 252, The house dust mite allergen Der p 13 is a fatty acid binding protein able to activate TLR2 signaling
- 1109 **Richard Goodman**, 2384, What data is sufficient and useful to define a protein as a cause of IgE mediated allergy?
- 1110 **Saliha Ait yahia**, 1138, Implication of NOD-1 receptor in an experimental house dust mite-induced asthma model
- 1111 **Sandip Kamath**, 3907, IgE sensitization to crab allergens due to inhalational exposure: Identification of novel allergens
- 1112 **Shashank Gupta**, 4066, Heterogeneity in IgE sensitization as well as T cell immunogenicity and cross-reactivity to major and minor grass pollen allergens
- 1113 **Shen Chao-Bin**, 4632, Expression of MicroRNA in Mouse Model of Asthma Treated by Jade-Screen PowderObjective
- 1114 **Shirin Farjadian**, 590, The effect of omega-3 on serum levels of Th1/Th2/Th9/Th17 and Th22 cytokines in patients with childhood asthma
- 1115 **Syed Ali**, 2635, IgE and non-IgE mediated reaction following anti-IgE therapy for severe asthma: A therapeutic dilemma
- 1116 **Takahisa Murata**, 2785, Mast cell-derived PGD2 attenuates anaphylaxis via DP receptor
- 1117 **Takashi Ito**, 910, Dectin-1 plays an important role in HDM-induced allergic airway inflammation through the activation of CD11b+ dendritic cells
- 1118 **Tatiana Ferreira**, 3811, Annexin A1 (ANXA-1)-mimetic peptide controls the inflammatory and fibrotic effects induced by house dust mite (HDM) in mice.
- 1119 **Tatiana Slavyanskaya**, 2396, New strategies of atopic dermatitis treatment in children Slavyanskaya T.A , Derkach V.V. People's Friendship University of Russia, Moscow; Pacific State Medical University, Vladivostok, Russia
- 1120 **Tatsukuni Ohno**, 3106, VISTA/PD-1H negatively regulates generation of Th2-mediated allergic responses
- 1121 **Teruaki Oku**, 2203, Coronin-1 regulates the Fc ϵ RI-mediated mast cell functions
- 1122 **Yi-Lien Chen**, 4602, TSLP Mediated Airway Hyperresponsiveness via Regulating the Expression of Epithelial NGF.
- 1123 **Ying-Jou Shen**, 3939, Study on fatty acids composition in breast milk and association with the occurrence of infant atopic dermatitis
- 1124 **Young-Min Ye**, 664, Subcutaneous Allergen Specific Immunotherapy in Patients with Allergic Rhinitis: Efficacy, Safety and Predictors for Clinical Response
- 1125 **Yung-An Huang**, 2288, Asthmatic airway inflammation is alleviated by adeno-associated viral vectors carrying CD39 in OVA-sensitized mice model
- 1126 **Zeina Jaffar**, 3740, Adverse effects of prenatal wood smoke exposure on house dust mite-induced asthma
- 1384 **Elen Anatriello**, 3488, *Lactobacillus bulgaricus* or *Bifidobacterium longum* regulate the expression of toll-like receptors during asthmatic immune response
- 1400 **Noriko Sudo**, 3418, Anti-allergic effects of the new medicinal mushroom, *Grifola gargal* Singer

B Cells**Level 1 (via escalator 1), 1530 - 1630**

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- 1127 **Abbas Ghaderi**, 725, IL-10 producing B cells in breast cancer draining lymph nodes
- 1128 **Abbas Ghaderi**, 727, Cytokine profile of B cells in breast cancer draining lymph nodes
- 1129 **Akihiko Kitoh**, 3285, Natural IgE production intrinsically requires CD1d expression on B cells
- 1130 **Aleta Pupovac**, 2185, Memory B cell subset formation in acute and chronic viral disease
- 1131 **Amir Sadighi Akha**, 2112, A Rare Case of Selective Ig-kappa Light Chain Deficiency
- 1132 **Andre Loxton**, 969, The Functional Response of B cells to Antigenic Stimulation during Latent Tuberculosis
- 1133 **Andrea Di Pietro**, 2135, The interplay between c-Myb and T-bet determines the fate of humoral response to influenza virus infection.
- 1134 **Andrew Stempel**, 1624, Molecular Signals Involved in Human B Cell Migration into the Retina
- 1135 **Angelica Lau**, 420, Control of germinal center and early memory B cell homeostasis by BAFFR
- 1136 **Ashleigh King**, 3160, ASCIZ and dynein light chain-1 are essential for the development of innate B1 cells
- 1137 **Beatriz Garcillan**, 3531, Overexpression of TAC1 leads to reduced B cell but increased plasma cell numbers.
- 1138 **Caijun Wu**, 4660, RAG2 participated in controlling Ig? loci DNA demethylation
- 1139 **Dan Suan**, 4578, Memory B cells develop from low-affinity clones in the germinal center light zone and are identified by CCR6 expression in mice and humans.
- 1140 **Girish Kirimanjeswara**, 4168, Selenoproteins regulate B cell receptor- mediated activation and development of B cells.
- 1141 **Goetz Ehrhardt**, 2928, A lamprey monoclonal VLR antibody generated against multiple myeloma bone marrow aspirate specifically identifies plasma cells
- 1142 **Haiyan Xu**, 2781, miR-338-5p regulates the biological function of B cells by targeting nuclear factor kappaB1
- 1143 **Jacqueline Marshall**, 1321, Immune suppressive doses of ultraviolet radiation activate a unique subset of B cells that are required for sunlight protection of mice from EAE
- 1144 **Jonathan Roco**, 3187, Does immunoglobulin class switching predominantly occur in germinal centers?
- 1145 **Joshua Moreau**, 968, Systemic inflammation rapidly reorganizes mouse bone marrow B cells and their environment to alter repertoire development and drive early IgM responses
- 1146 **Khalid Muhamamd**, 2827, NFATc1 supports imiquimod-induced skin inflammation by suppressing regulatory B cells
- 1147 **Kira Rubtsova**, 4791, T-bet expressing B cells are required for the development of autoimmunity
- 1148 **Koning Marvyn T.**, 4624, Prevalence, structure and putative mechanism for large genetic insertions in VDJ recombination
- 1149 **Kuo-Hsuan Hung**, 675, Blimp-1 cooperates with Aiolos to regulate the survival of multiple myeloma cells through modulating the expression of apoptosis-related genes
- 1150 **Li Bai**, 2979, Effect of Mycobacterium tuberculosis on B cell development and differentiation in BALB/C mice
- 1151 **Luman Wang**, 1704, Heat shock protein 70 is critically involved in CD19+CD24hiCD27+ B cells mediated suppression of Hashimoto thyroiditis
- 1152 **Maike Kober**, 1359, Exploring the role of c-Rel amplification and splicing in lymphomagenesis
- 1153 **Mark Tjiam**, 887, Maintenance of IgG tetanus toxoid (TT) antibodies in humans is associated with TT-specific IgG+, but not IgD+IgM+, memory B cells
- 1154 **Masaki Magari**, 3903, IL-34-dependent differentiation of monocytic cell with B cell stimulating activity
- 1155 **Michael Low**, 3202, Mcl-1 is critical for Lyn deficient plasma cells despite altered signalling pathways
- 1156 **Miho Ushijima**, 1685, B cell-intrinsic role of DOCK2 in T cell-dependent humoral immunity
- 1157 **Miyoko Matsushima**, 1430, Involvement of CD40 on Immune Cells in Response to Immune Complexes
- 1158 **Miyoko Matsushima**, 1431, Involvement of CD40 in the Expression of Bcl6
- 1159 **Mohamed Khass**, 881, A new role for VpreB: an invariant surrogate antigen that selects Ig antigen binding sites
- 1160 **Naoki Kanayama**, 3984, SRSF1-3 has a role in nuclear localization of AID by regulating its nuclear export.
- 1161 **Plinio Reinaldo Hurtado**, 3882, TLR9-mediated B cells activation leads to production of brain-derived neurotrophic factor: Possible neuroprotective role of B cells following infection
- 1162 **Raffi Gugasyan**, 3842, The role of NFkB1 in B cell homeostasis and function
- 1163 **Ramona Hurdoyal**, 1938, Early IL-4-producing B cells regulate T helper cell dichotomy during cutaneous Leishmaniasis in BALB/c mice
- 1164 **Rangini Mahanonda**, 2040, Human memory B cells in clinically healthy gingiva
- 1165 **Samantha Johnston**, 1450, B lymphocyte single nucleotide polymorphisms and exomes in transient receptor potential ion channel and acetylcholine receptors in chronic fatigue syndrome
- 1166 **Sarah Saunderson**, 2195, A critical role for NK cells in exosome-induced CD8+ T cell cytotoxicity
- 1167 **Shivana Maharaj**, 4182, CD28 regulates long lived plasma cell (LLPC) survival through Indoleamine 2,3-dioxygenase (IDO) mediated induction of autophagy in LLPCs
- 1168 **tam quach**, 2200, Human B-1 And B-2 Cells Come From A Lin-CD34+CD38lo Progenitor Population
- 1169 **Tin Kyaw**, 3210, B cells have a key role in aggravated atherosclerosis following Myocardial Infarction
- 1170 **Xiaojuan Li**, 4337, Contact hypersensitivity enhanced in mice with B cell-specific-peroxisome proliferator-activated receptor-gamma deficiency
- 1171 **Yasuyuki Tashiro**, 3678, High-affinity IgM+ memory B cells are deficient in terminal differentiation potential to secrete IgM antibodies by restimulation with (4-hydroxy-3-nitrophenyl)acetyl -chicken g-globulin
- 1172 **Zhiyong Yang**, 3902, Plasma Cell Differentiation Driven by Antigen-Independent Signaling Activity of the IgE B Cell Receptor
- 1362 **Naoki Kanayama**, 3994, Analysis of a role for SRSF1-3 in a transcription-coupled process during IgV hypermutation
- 1364 **Haolin Liu**, 4792, A high throughput method to characterize monoclonal antibodies and select native antigen specific IgG hybridoma cells
- 1405 **Jodi Hanson**, 2463, Four color T- and B cell ELISPOT assays for simultaneous detection of analytes

Cell Trafficking

Level 1 (via escalator 1), 1530 - 1630

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1173	Andrew Kassianos , 2140, Increased Recruitment of Human Lymphocyte Subsets in Renal Fibrosis and Chronic Kidney Disease
1174	Bastow Cameron , 3417, The atypical chemokine receptor ACKR4 regulates dermal chemokine bioavailability and dendritic cell egress
1175	Carly Gregor , 2084, Effector T helper cell recruitment to inflammatory sites via CCR2
1176	Clare Westhorpe , 980, Intravascular patrolling monocytes initiate CD4+ T cell-mediated inflammation in the glomerular microvasculature
1177	Connie Wong , 1261, Investigating the role of invariant natural killer T cells in leukocyte recruitment following acute murine colitis
1178	Craig McKenzie , 3519, GPR65 regulates neutrophil chemotaxis
1179	Eva Maria Putz , 2237, The role of heparanase in NK cell migration and NK cell-mediated tumour surveillance
1180	Guillermo Arango Duque , 133, The Leishmania pathogenicity factors GP63 and LPG traffic in vesicular structures via a Sec22b-mediated pathway
1181	Iain Comerford , 1212, Multifaceted regulation of immune responses by the atypical chemokine receptors ACKR4 and ACKR2.
1182	Jane Stinchcombe , 4008, CTL centrosomes dock with the immune synapse and direct lytic protein secretion during killing
1183	Joseph Tickle , 3454, The role of vascular adhesion protein (VAP)-1 in hepatic leukocyte recruitment during acute liver injury
1184	Kurt Arkestål , 1112, CCR2 upregulated on T-cell populations in peripheral circulation among patients with osteoarthritis compared to bone marrow and to healthy control
1185	Louisa Yeung , 1019, Tetraspanin CD53 regulates L-selectin shedding and promotes leukocyte transmigration
1186	Mark Wright , 3892, Tetraspanins CD37 and CD53 regulate successive stages of the inflammatory cascade
1187	Michaela Finsterbusch , 542, Monocytes contribute to neutrophil-dependent kidney injury in acute glomerulonephritis
1188	Nigel Birch , 2707, Plasmin and regulators of plasmin activity modulate the presentation and function of the homeostatic chemokine CCL21
1189	P. Rod Dunbar , 3011, B-lymphocyte trafficking in human lymph nodes: CXCL13 does not derive from Follicular Dendritic Cells
1190	Seyed Davoud Jazayeri , 2149, Trafficking of E7 specific CD8 T cells from the host to hyperproliferative graft
1191	Thomas Issekutz , 3794, Beneficial and detrimental effects of VLA-4 and LFA-1 blockade on T cell and monocyte infiltration of the CNS and clinical severity of Experimental Autoimmune Encephalitis
1192	Victoria Fang , 4740, S1P gradients position NK cells in lymph nodes and regulate the early IFN γ response to infection

Computational Immunology & Systems Biology

Level 1 (via escalator 1), 1530 - 1630

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1193	Andrew Guy , 3161, Introduction to PlasmoSIP: An interactive online tool for exploring relevant structural, immunological and polymorphic features of Plasmodium proteomes
1194	Andrey Kan , 4469, Cohort Method for Lymphocyte Proliferation Analysis: Theory and Applications
1195	Andrey Kan , 4583, Mathematical Modelling of Lymphocyte Responses Measured using Time Lapse Microscopy
1196	Damien Hicks , 3271, An analysis of stochastic variation in T-cell pedigrees
1197	Dana Piovesan , 856, Determining the epigenetic mechanisms that underpin CD8+ T cell exhaustion during chronic infection.
1198	Darren Cox , 619, Murine Haematopoietic B-Cell Development During West Nile Viral Encephalitis
1199	Jie Zhou , 4215, CD40 signal strength regulates the rate of B cell differentiation to plasmablasts by altering the time to divide
1200	JIN XU , 1406, Effective Diversity of T-cell Repertoire
1201	Juan Du , 4556, Thorough screening the interacting proteins with Tumor Suppressor Candidate 3 using NAPPA Chip
1202	kajal zibaei , 2585, Using Correlative Microscopy to Understand Dynamics of T cell signalling.
1203	Katsuyuki Shiroguchi , 2264, A framework for digital RNA Sequencing (dRNA-Seq) and its application for gene expression profiling of small number of immune-related cells
1204	Kim Pham , 3909, From healthy to transformed B cells – a model of how chemotherapeutic drugs act against lymphoma
1205	Mark Klinger , 2583, Immunosequencing reveals diagnostic signatures of pathogen infection and HLA type in the T cell receptor repertoire
1206	Mazlina Ismail , 846, Changes in T cell receptor repertoire associated with Combined Variable Immune-Deficiency (CVID)
1207	Shalin Naik , 3905, Patterns of single cell fate discoverable via novel multidimensional analyses and dynamic visualization
1208	Sharanya Suresh , 1640, Interaction of Aloe emodin with Lipoxygenase towards the development of novel NSAIDs
1209	Simone Rizzetto , 2586, A computational framework for simultaneous single-cell characterization of surface phenotype and gene expression profile of antigen specific lymphocytes
1210	Thammakorn Saethang , 306, AbDesigner3D
1211	Ulrike Menzel , 2349, The influence of nature, nurture and noise on humoral immunity
1387	Luz Elena , 1496, Strategies for the in silico selection of immunogenic epitopes using non-model organisms: use case with Histoplasma capsulatum.

Emerging Technologies

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Poster Number

- 1212 **Alfredo Corell**, 3151, Immunomedia project: learning, lecturing and spreading Immunology
- 1213 **Andy Kokaji**, 3628, Releasable RapidSpheres™ enable immunomagnetic purification of highly viable and functional immune cells from complex tissues in less than 30 minutes
- 1214 **Carolina Constantin**, 1094, Soluble biomarkers for pressure ulcers therapy monitoring - protein microarray technology view
- 1215 **Carolina Constantin**, 4600, Gallium (III) Phtalocyanine for photodynamic therapy of epithelial type transformed cells
- 1216 **Daniel Getts**, 2147, Gliadin-containing, Tolerogenic Immune Modifying Nanoparticles (TIMP) reverse Gluten-dependent Enteropathy in a Celiac Disease Mouse Model
- 1217 **David Cole**, 173, Molecular mimicry is bad for your heart: when T-cell attack the wrong target
- 1218 **Gracia Gracia**, 1128, A biomimetic glyceride prodrug approach to promote the delivery of immune-modulating drugs to targets in the lymphatics and immune cells
- 1219 **Haley Pugsley**, 525, Identifying exosome binding and internalization in blood cell subsets by imaging flow cytometry.
- 1220 **Harshi Weerakoon**, 2602, Detailed mapping and quantification of human T cell subset proteomes using tandem mass spectrometry and SWATH
- 1221 **Inken Kelch**, 2728, 3D visualisation and comprehensive analysis of the conduit network in entire murine lymph nodes
- 1222 **Ippolito Gregory C.**, 4767, Emerging Technologies for the Study of Humoral Mechanisms Underlying Human Antibody Responses
- 1223 **Joshua Glass**, 1798, Harnessing human blood to examine bio-nano interactions at the cellular level
- 1224 **Katja Kleinstuber**, 2852, Standardization and quality control using control samples to minimize batch effects and improve reproducibility of Mass Cytometry (CyTOF) assays in human immunology studies
- 1225 **Mark Klinger**, 4141, Deep sequencing of T-cells specific for a mycobacterial glycolipid reveals shared T-cell receptor motifs with diagnostic potential in population-based studies
- 1226 **Miles Denise**, 4502, In vivo cellular barcoding using a novel Cre LoX system
- 1227 **Mingtao Zeng**, 1236, Protective immunity against botulinum neurotoxin elicited by genetic immunization with PLGA nanoparticle formulated DNA vaccine
- 1228 **Nuchjira Takheaw**, 2890, Identification of CD99 counter-receptor by pull-down method using dimeric CD99-human IgG Fc fusion proteins in combination with DTSSP crosslinking
- 1229 **Pamela Holzlohner**, 3392, Monoclonal mouse antibodies against PBMC subpopulations of New World camelids
- 1230 **Sapna Devi**, 2734, Whole organ imaging for analysis of immune responses in lymph nodes
- 1231 **Simon Jackson**, 1097, Development and characterization of a novel cell-based biosensor for screening of inflammatory agents in bioaerosols.
- 1232 **Supansa Pata**, 3053, Immunobiosensor for Measurement and Characterization of Soluble CD147 molecule
- 1233 **Thomas Ashhurst**, 3546, Performing systems immunology using next generation high-dimensional single-cell cytometry systems: bright lights and heavy metals
- 1234 **Wilhelm Gerdes**, 3591, Selelction of PBMC from whole blood with FABian ® by using CD81+ marker
- 1235 **Witida Laopajon**, 2927, Simultaneous Flow Cytometric Measurement of Attachment and Phagocytic Processes of Phagocytes
- 1406 **Tameem Ansari**, 2469, Direct and Unambiguous Detection and Quantitation of Live Dead and Apoptotic Cells in PBMC

Genetics

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 1236 **Bolaji Thomas**, 166, Interethnic variability in sickle cell disease pathophysiology is associated with polymorphisms of the endothelin-1 gene
- 1237 **Fiona Moghaddas**, 3852, Australian Autoinflammatory Diseases Registry (AADRY): a national approach to the genetic and immunological evaluation of patients with suspected autoinflammatory disease.
- 1238 **Hiroko Miyadera**, 4110, HLA class II protein stability and disease susceptibility
- 1239 **Ingorn Kimkong**, 308, ATG16L1 gene polymorphism associated with chronic hepatitis B virus infection in a Thai population
- 1240 **Kim Simpfendorfer**, 2674, Replication of the reported deletion of the GLUT3 gene SLC2A3 on Chromosome 12 conferring substantial protection against Rheumatoid Arthritis
- 1241 **Marcelo De Franco**, 1580, Slc11a1 gene modulates immune-inflammation genes in macrophages during pristane-induced arthritis in mice
- 1242 **Maria Korotetskaya**, 170, The H2-Ab1 Class II gene regulates the level of susceptibility and immune responses in the mouse model of tuberculosis infection
- 1243 **Samantha Johnston**, 1389, An Examination of Single Nucleotide Polymorphisms in Transient Receptor Potential Ion Channels and Acetylcholine receptors in Chronic Fatigue Syndrome Patients
- 1244 **Tai-Gyu Kim**, 3215, Comprehensive analysis of cytokine gene polymorphisms defines the association of IL-12 gene with ophthalmopathy in Korean children with autoimmune thyroid disease
- 1245 **THAO NGUYEN**, 75, Haplotype investigation of Killer cell immunoglobulin-like receptor genes from natural killer cells in chronic fatigue syndrome/myalgic encephalomyelitis patients
- 1246 **Valeria Román**, 3346, Association of CD40 functional genetic variants and CD40 mRNA expression with rheumatoid arthritis from western Mexico
- 1247 **Voon Yit Nee**, 4398, Expression of Interferon Regulatory Factor-5 (IRF5) in asthmatic and non-asthmatic patients

Lymphocyte Signalling

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 1248 **Aaron Marshall**, 1199, FcγRIIB-independent mechanisms controlling membrane localization of the inhibitory phosphatase SHIP in human B cells
- 1249 **Aaron Marshall**, 1519, Control of B cell activation and migration by PI 3-kinase: role of inositol polyphosphate 4-phosphatases
- 1250 **Christoph Jandl**, 4014, Interleukin-21 mediated STAT1 activation in the germinal centre response to T-dependent antigen
- 1251 **Daiki Mori**, 2888, Search for endogenous molecules recognized by C-type lectin receptor Dectin-2
- 1252 **Da-Jung Jung**, 1013, Binding of membrane lipids by the SH2 domain of ZAP70 is critical for T cell receptor signaling.
- 1253 **Gabriela Segal**, 2959, Nano-clustering of the T cell receptor (TCR) explains the high signaling efficacy in antigen experienced T cells
- 1254 **Guo Fu**, 3823, The role of Themis in T cell activation and effector function
- 1255 **Hart Derek N. J.**, 2245, Characterisation of the Tissue Distribution and Function of the C-Type Lectin Receptor CD302 in Humans and Mice
- 1256 **Hiroyuki Kishi**, 2422, Cis-interaction of TCRs and antigen/MHC class I Complexes on CD8+ T cells causes their activation
- 1257 **HYUN SEUNG YOO**, 3297, Mesenchymal stem cells regulate AMPK/mTOR pathway and mRNA translation to potentiate T cell suppression via nitric oxide production
- 1258 **Isabella Kong**, 3645, Epigenetic regulator PRC2 modulates proliferative response in CD4+ T cells
- 1259 **Jacek Witkowski**, 1517, The calpain-calpastatin system activity is necessary for human T cell proliferation and development
- 1260 **James Muller**, 4770, Ubiquitination Role in TCR Signaling and Costimulation via GITR
- 1262 **Jianke Zhang**, 2416, Novel functions of necroptotic and apoptotic pathways in T cell proliferative and survival signaling
- 1263 **Jing Qu**, 1287, Investigating the regulation of protein translation by kindlin-3 in chronic myeloid leukemia cells.
- 1264 **Logesvaran Krshnan**, 3183, A Conserved T Cell Receptor Transmembrane Structure Mediates Transbilayer Signalling
- 1265 **Madhavi Latha Somaraju**, 3246, Centrosome and Golgi-associated Proteins are Novel Substrates of Protein Kinase A in T-lymphocytes
- 1266 **Masahiro Nagata**, 3805, Role of Mincle in the recognition of Helicobacter pylori
- 1267 **Mingjin Yang**, 4630, K33-linked polyubiquitination of Zap70 by E3 ligase Nrdp1 controls activation of CD8+ T cells
- 1268 **Parameswaran Ramakrishnan**, 2004, Dual regulation of T lymphocyte function in autoimmunity by O-GlcNAc glycosylation
- 1269 **Philipp Schatzlmaier**, 3043, Rapid multiplex analysis of lipid raft signaling components with single lymphocyte resolution
- 1270 **Plinio Reinaldo Hurtado**, 3875, Low concentration of hydroxychloroquine potentiates TLR-9 signalling: potential implications for clinical practice
- 1271 **Rachel Paterson**, 174, A novel two-ligand system to analyse signal integration by non-catalytic tyrosine-phosphorylated receptors
- 1272 **Robyn Schenk**, 1276, Completing the Pro-Survival BCL-2 Family Portrait: Characterization of the A1 Knockout Mouse Model
- 1273 **Senta Kapnick**, 3746, Inducible T cell kinase regulates late stages of CD8+ T lymphocyte effector function
- 1274 **Seow Theng Ong**, 3260, Maintenance of microtubule architecture by an adaptor protein CG-NAP/AKAP450 is crucial for T-cell migration
- 1275 **Sophie Pigeon**, 392, Nanoscale clustering of the T cell receptor regulates T cell signalling efficiency
- 1276 **Takayuki Imanishi**, 3638, T cell-intrinsic role of the cytosolic DNA-sensing for T cell function
- 1277 **Tetsuya Sakurai**, 1690, Critical role of the DHR-1 domain in localization and function of DOCK8
- 1278 **Witida Laopajon**, 2921, Engagement of CD99 surface molecules inhibits T cell responses
- 1279 **Yavuz Furkan YAZICIOGLU**, 1872, Altered peptide ligands: Qualitative or quantitative effects on signaling in monoclonal T cells?
- 1280 **Yingqiu Li**, 3989, A negative regulatory role of SARM in TCR signaling
- 1281 **Yoshiyuki Adachi**, 3239, Detection of immunomodulatory polysaccharides in food materials using the enzyme-fused innate immune receptors
- 1282 **Yui Yamamoto**, 2694, Spatiotemporal organisation of CD4 during T cell activation

Therapeutic Antibodies

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 1283** **Achara Phumyen**, 1839, Production of anti-MICA antibodies for targeting cancer therapy
- 1284** **Akikazu Murakami**, 1775, Isolation and characterization of target antigen specific VHHs from alpaca synthetic VHH phage display libraries.
- 1285** **Allison Dyson**, 1001, Comparison of an in vitro cytokine release model with in vivo serum cytokine responses in AML patients administered CSL362 in a Phase 1 study (CSLCT-AML-11-73)
- 1286** **Anna Gazumyan**, 4228, Bispecific antibodies
- 1287** **Chien-Jen Lin**, 1071, Composite molecules with EGF and its mutants as targeting elements and bundles of cytotoxic molecules or toll-like receptor agonists as effector elements
- 1288** **Georgina Clark**, 2218, Understanding the biology of the CD300f inhibitory receptor as a target for anti-AML antibodies
- 1289** **Guillaume Brachet**, 1515, Increment in drug loading on an antibody drug conjugate induces higher binding to the human Neonatal Fc Receptor in acidic conditions in vitro
- 1290** **Helen McGuire**, 2631, Immune Signature Profiles in Cancer Immunotherapy Revealed by Mass Cytometric Analysis
- 1291** **Jenifer Vallejo**, 2576, Autoantibodies against aldehyde-modified collagen type IV are associated with risk for development of myocardial infarction
- 1292** **Jou-Han Chen**, 1283, Cytokine-neutralizing therapeutic antibodies designed with tissue-targeting functions for increased delivery to diseased sites
- 1293** **juan shan**, 1815, Interleukin-17 Blockade in Rheumatoid Arthritis: A Systematic Review and Meta-analysis
- 1294** **Jung-Tung Hung**, 2729, Synergistic therapeutic efficacy of Unituxin and PD-1 blockade in a murine neuroblastoma model
- 1295** **Junyun Lai**, 2511, Targeting Epstein-Barr virus transformed B lymphoblastoid cells using antibodies with TCR-like specificities
- 1296** **Lo Tsun Ho**, 2608, Characterization of Human CD83 Expression on Immune Cells Identifies a Unique CD83+ T Cell Population
- 1297** **Mathieu BLERY**, 4006, IPH4301, an antibody targeting MICA and MICB exhibits potent cytotoxic activity and immunomodulatory properties for the treatment of cancer
- 1298** **Preeti Yadav**, 3429, Lymphatic access of therapeutic proteins after IV administration is size-dependent and primarily occurs within the liver and mesentery
- 1299** **Renee Berry**, 2988, Idiopathic mast cell activation disorder: control of idiopathic and venom immunotherapy associated anaphylaxis with low dose Omalizumab
- 1300** **Rodrigo Vazquez-Lombardi**, 2967, Potent antitumor activity of IL-2-Fc fusion proteins through FcγR-dependent depletion of CD4+ CD25+ Tregs
- 1301** **Sara McKee**, 630, Low-dose doxorubicin reduces an immunosuppressive Ly6Clo monocyte population to improve efficacy of anti-41BB monoclonal antibody against B cell lymphoma
- 1302** **Shereen Oon**, 983, IL3R-alpha as a novel therapeutic target in systemic lupus erythematosus
- 1303** **Shuji Matsuoka**, 3685, Establishment of a therapeutic anti-pan HLA-class II monoclonal antibody that directly induces lymphoma cell death via large pore formation.
- 1304** **Sue Xiang**, 2216, Targeting Sperm protein 17 for developing an immunotherapeutic treatment for ovarian cancer
- 1305** **Yide Wong**, 2711, Targeting EBV positive cancers with affinity enhanced T cell receptors
- 1306** **Yssel Hans**, 928, Identification of the single immunodominant epitope of the native human CC chemokine receptor 6
- 1398** **Vida Homayouni**, 138, Stimulation of Camel Polyclonal Antibody Against human T cell Immunoglobulin and Mucin-3

Transcription Factors

Level 1 (via escalator 1), 1530 - 1630

Poster Number

- 1308** **Brendan Russ**, 3520, Transcription factor availability rather than modulated enhancer availability regulates CD8+ T cell differentiation
- 1309** **Damon Tumes**, 3778, Epigenetic control of Gata3 gene expression in T helper 2 cells via histone modification and DNA conformation
- 1310** **Fabiano Pinheiro da Silva**, 561, Cathelicidin binds to transcriptional complexes in cancer cells
- 1311** **Jui-Yen Lo**, 3038, Tumor suppressor WW domain-containing oxidoreductase regulates hematopoiesis
- 1312** **Julia Prier**, 2155, T-bet mediates rapid CD8+ T cell programming via interaction with regulatory genetic elements
- 1313** **Sherree Friend**, 1606, Studying signal transduction pathways using multi-spectral imaging flow cytometry
- 1314** **simon Barry**, 2099, Validating the contribution of microRNAs and lncRNAs to the molecular signature and plasticity of iTreg vs.nTreg in humans.
- 1315** **simon Barry**, 2120, FOXP3 tightly controls target gene expression using microRNAs in human regulatory T cells, and regulates Treg plasticity
- 1316** **Yunlong Jia**, 4527, Methylation status and clinical significance of Bin1 in esophageal squamous cell cancer

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- 1318 **asuka miyamoto**, 2737, The specific antibody production against HER2 peptide CH401MAP in NOG-IL4-Tg mice.
- 1319 **Bilgi Gungor**, 1934, Characterization of L.tropica secreted exosomes and development of exosome-based preventive vaccine against L.tropica induced cutaneous leishmaniasis
- 1320 **BOON KIAT LEE**, 1955, Dendritic Cell-targeting DNA Vaccines Elicited Distinct Immune Responses Directs by Intracellular Antigen Trafficking
- 1321 **Chahrazed MAHERZI - MECHALIKH**, 407, Optimization of Survivin synthetic vaccine for Treatment of cancers
- 1322 **Chiao-Li Chin**, 3712, Intranasal delivery of Enterovirus 71 vaccine with Zymosan and Chitosan as adjuvants to enhance mucosal and systemic immune responses
- 1323 **CHIH FENG KUO**, 889, A streptococcal multiple-epitope recombinant protein protects mice against group A streptococcal infection
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- 1325 **Claus Aagaard**, 3048, Should we boost or supplement the M. bovis BCG antigen repertoire?
- 1326 **Daniel Rojas-Sepúlveda**, 1135, Tumor Cell Lysates as Maturation Stimulus and Antigen Source for Therapeutic Dendritic Cells against Gallbladder Cancer
- 1327 **David McDonald**, 1022, Self-adjuvanting Glycolipopeptide Cancer Vaccines
- 1328 **Dong-Kwon Rhee**, 2861, Pneumococcal pep27 mutant immunization stimulates cytokine secretion and confers long-term immunity with a wide range of protection, including against non-typeable strains
- 1329 **Eleftheria Anastasopoulou**, 1752, Investigation of specific immunological memory in prostate cancer patients vaccinated with the li-key modified HER-2/neu peptide AE37
- 1330 **Emine Yavuz**, 955, Evaluation of the adjuvant effect of gold nanocages in vitro
- 1331 **gloria guerrero**, 2477, Successive intramuscular boosting with IFN-alpha protects Mycobacterium bovis BCG- vaccinated mice against M. lepraemurium infection.
- 1332 **Hannah Pooley**, 1040, Vaccination enhances the ability of ovine macrophage to kill Mycobacterium avium subspecies paratuberculosis in vitro
- 1333 **Heather Lynch**, 1584, Impact of Early Life Exposure to Ionizing Radiation on Influenza Vaccine Response in an Elderly Japanese Cohort
- 1334 **Hideaki Shima**, 2877, A novel mucosal vaccine targeting Peyer's patch M cells induces protective antigen-specific IgA responses.
- 1335 **Hidehiko Suzuki**, 1238, Immunological involvement of airway mucociliary function in the claudin-4-targeting pneumococcal nasal vaccine
- 1336 **Jen-Ren Wang**, 3567, Development of a Synthetic Virus for Enterovirus A71 Vaccine Candidate
- 1337 **John Hayball**, 2180, SCV platform: A novel replication-incompetent vaccinia viral vaccine vector system
- 1338 **Jong-Woo Lim**, 4498, Poly(amino acid)/squalene nanocomplex (PA/S-NCs) as efficient vaccine adjuvants for immune activity enhancement
- 1339 **Joseph Yunis**, 1907, A Murine Cytomegalovirus Vaccine Vector Protects against Murine gamma herpesvirus 68
- 1340 **Keeho (Arnold) Lee**, 2724, Modified liposomes for the delivery of cancer vaccines to the cytosol of antigen presenting cells through the proton sponge effect
- 1341 **Kristian Andersen**, 4185, Targeting of hemagglutinin to MHCII increases antibody responses against highly pathogenic avian influenza (H7N1) in mice.
- 1342 **Liam Powles**, 2605, Iron oxide nanoparticles as vaccine carriers and immune responses against covalently bound protein
- 1343 **Logan Trim**, 3538, Intranasal administration with a NanoStat™-MOMP vaccine reduces the incidence of oviduct pathology in Chlamydia-infected mice
- 1344 **Mahyar Nouri-Shirazi**, 3666, Genetic background influences the humoral responses to vaccines
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- 1346 **Moses Odugbo**, 2042, Cross-protection studies in mice immunized with iron-regulated Pasteurella multocida serotype B:3,4 vaccine
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- 1348 **Nicola MacLennan**, 4221, Lipovaxin, a versatile chelating liposomal vaccine platform for surface-loading of recombinant antigens to generate self-adjuvanting immune-stimulatory particles for improved immune responses.
- 1349 **Norbert Pardi**, 1119, Developing an Influenza Vaccine Using Lipid Nanoparticle-Encapsulated Nucleoside-Modified mRNA.
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- 1352 **QIAN GAO**, 2076, A Nanoparticle Based Sp17 Peptide Vaccine Exposes Immunodominant and Species Cross-reactive B cell Epitopes
- 1353 **Richard Kiener**, 2805, Ex vivo evaluation of Sendai virus vectors for delivery of CMV IE-1 and pp65
- 1354 **Ryuji Miyahara**, 604, Immunogenicity of M13 phage vaccine displaying N-terminal region of amyloid beta peptide: Comparison of M13 phage vaccine expressed as g3p fusion and g8p fusion.
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