

## Conference Poster List

Poster Setup:	Saturday November 1	08:00 – 18:00 PM
Poster Viewing:	Saturday November 1	08:00 – 18:30 PM
	Sunday November 2	08:00 – 18:30 PM
	Monday November 3	08:00 – 18:30 PM
	Monday November 3	18:30 – 20:00 PM, with beer and snacks
	Tuesday November 4	08:00 – 12:30 PM
Poster Location:	Poster Room, 4 <sup>th</sup> Floor, Renaissance Shanghai Pudong Hotel	

**Plenary short speaker are welcome to present their posters.**

### **P001/ Abstract No. 004**

**TGF- $\beta$ 1/IL-23 pathway is upregulated in patients with acute-on-chronic hepatitis B liver failure and is associated with disease severity and survival**

Xueping Yu and Zhijun Su

*Department of Infectious Diseases, the First Hospital of Quanzhou Affiliated to Fujian Medical University, Quanzhou, China*

### **P002/Abstract No. 005**

**MeCP2 enforces Foxp3 expression to determine natural regulatory T cells' resilience to inflammation**

Shan Jiang

*Department of Immunology, Duke University Medical Center, Durham, NC 27710, USA;*

### **P003/ Abstract No. 010**

**The MicroRNA miR-17 modulates regulatory T cell activity by targeting Foxp3 co-regulators**

Huang-Yu Yang

*Kidney Research Center, Department of Nephrology, Chang Gung Memorial Hospital, Chang Gung University College of Medicine, Taoyuan, Taiwan*

### **P004/Abstract No. 012**

**Hepatic stellate cell-derived retinoic acid regulates group 3 innate lymphoid cells and modulates viral hepatitis**

Jiaren Sun

*Dept. of Microbiology and Immunology, University of Texas Medical Branch, Galveston, Texas, USA*

### **P005/Abstract No.013**

**Ubiquitin-specific protease 4 promotes Th17 cell function under inflammation by deubiquitinating and stabilizing ROR $\gamma$ t**

Jing Yang

*Key Laboratory of Molecular Virology & Immunology, Unit of Molecular Immunology, Institut Pasteur of Shanghai, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, Shanghai, 200025, China.*

**P006/Abstract No. 014**

**Potential contribution of T helper type 17 cells survival to neutrophilic airway inflammation in asthma**

Min Jiang

*The First Affiliated Hospital of Guangxi Medical University, Guangxi, China*

**P007/Abstract No. 015**

**High frequency of CD4<sup>+</sup>CXCR5<sup>+</sup> Tfh cells in patients with hepatitis B and chronic hepatitis C**

Yanfang Jiang

*The First Hospital, Jilin University, Changchun, 130021, China*

**P008/Abstract No. 016**

**FOXP3-TSDR methylation status and colon cancer**

Changhua Zhuo

*Department of Colorectal Surgery, Fudan University, Shanghai, China*

**P009/Abstract No. 022**

**Type 1 regulatory T cells, but not Foxp3<sup>+</sup> regulatory T cells, inhibit activation of the NLRP3 inflammasome.**

Yu Yao

*Departments of Medicine and Surgery, University of British Columbia, Vancouver, BC, Canada,*

**P010/Abstract No. 025**

**PARP1 regulates the function of regulatory T cells through poly(ADP)-ribosylation of FOXP3 under inflammation**

Xuerui Luo

*Key Laboratory of Molecular Virology & Immunology, Institut Pasteur of Shanghai, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, Shanghai, 200031, China.*

**P011/Abstract No. 026**

**Integrin  $\alpha$ v $\beta$ 8-mediated TGF $\beta$  activation by effector regulatory T-cells is essential for suppression of T-cell-mediated inflammation**

Mark A. Travis

*Manchester Collaborative Centre for Inflammation Research, University of Manchester, UK*

**P012/Abstract No. 027**

**The Ubiquitinase activity of p300, but not its acetyltransferase activity, positively regulates ROR $\gamma$ t-mediated transcriptional activation of IL-17**

Qingsi Wu

*Department of Microbiology and Parasitology, Anhui Medical University, Hefei, Anhui, 230032, China*

**P013/Abstract No. 028**

**LCP enhance chemotherapy cytotoxicity through modulation of anti-tumor immune microenvironment**

Yanwei Shen

*The Cancer Institute (Key Laboratory of Cancer Prevention and Intervention, China National Ministry of Education; Key Laboratory of Molecular Biology in Medical Sciences, Zhejiang Province, China*

**P014/Abstract No. 030**

**IL-17F reduces lung metastasis in a murine melanoma model**

Huanle Gong

*Laboratory of Cellular and Molecular Tumor Immunology, Jiangsu Key Laboratory of Infection and Immunity, Institutes of Biology and Medical Sciences, Soochow University, Suzhou, 215123, China*

**P015/Abstract No. 031**

**The graft versus leukemia effect of donor  $\gamma\delta$ T cells in allogeneic hematopoietic stem cell transplantation**

Yuan Song

*Institutes of Biology and Medical Science, Soochow university, Suzhou, 215123, China*

**P016/Abstract No. 032**

**An altered peptide ligand derived from the HLA-A\*0201-restricted immunodominant type 1 diabetes autoantigen insulin A-chain (2-10) peptide protect from type 1 diabetes in humanized NOD mice by inducing CD8<sup>+</sup>CD25<sup>+</sup> regulatory T cells**

Mengjun Zhang

*Institute of Immunology PLA & Department of Immunology, Third Military Medical University, Chongqing 400038, China*

**P017/Abstract No. 034**

**Amelioration of metabolic disorder in high-fat diet mice by oral administration of adipose tissue antigens is associated with elevated adipose tissue-resident CD4<sup>+</sup>CD25<sup>+</sup>Foxp3<sup>+</sup> regulatory T cells**

Xiangyu Chen

*Institute of Immunology PLA & Department of Immunology, Third Military Medical University, Chongqing 400038, China*

**P018/Abstract No. 035**

**SHP2 mediates dectin-induced SYK activation and anti-fungal TH17 response**

Zihou Deng

*Key Laboratory of Molecular Virology and Immunology, Institut Pasteur of Shanghai, Chinese Academy of Sciences, Shanghai 200031, P.R. China*

**P019/Abstract No. 036**

**Regulatory T cells dysfunction is due to decreased Foxo1 activity in psoriasis patients**

Bing Li

*Department of Dermatology, Xijing Hospital, The Fourth Military Medical University, 127 Changle West Road, Xi'an 710032, China;*

**P020/Abstract No. 037**

**SAP-regulated T cell-APC adhesion and ligation-dependent and -independent Ly108-CD3 $\square$  interactions**

Coco Chu

*Tsinghua-Peking Center for Life Sciences, Laboratory of Dynamic Immunobiology, School of Medicine, School of Life Sciences, Tsinghua University, Beijing 100084, P. R. China*

**P021/Abstract No. 041**

**miRNA-335 downregulates NR4A3 and ADCY3 in human regulatory T cells**

Kung-Chi Kao

*Graduate Institute of Immunology, College of Medicine, National Taiwan University, Taipei*

**P022/Abstract No. 043**

**The role of IL-23 during the development of hepatocellular carcinoma**

Yonghao Liu

*Institutes of Biology and Medical Science, Soochow university, Suzhou, 215123, China*

**P023/Abstract No. 044**

**Toll-like receptor 2 signaling protects against ultraviolet-induced inflammation**

Dong Hun Lee

*Department of Dermatology, Seoul National University College of Medicine, Institute of Human-Environment Interface Biology, Seoul National University, Seoul, Korea,*

**P024/Abstract No. 045**

**The role of membrane and secreted forms of IL-1 $\alpha$  in acute liver inflammation and carcinogenesis**

Dandan Lin

*Laboratory of Cellular and Molecular Tumor Immunology, Institutes of Biology and Medical Sciences, Soochow University, Suzhou, 215123, P. R. China*

**P025/Abstract No. 046**

**Dihydroquercetin (DHQ) ameliorated concanavalin A-induced mouse experimental fulminant hepatitis and enhanced HO-1 expression through MAPK/Nrf2 antioxidant pathway in RAW cells**

Xiao-Kang Li

*Division of Transplantation Immunology, National Research Institute for Child Health and Development, Tokyo, Japan*

**P026/Abstract No. 047**

**Regulation of Treg cell stability under inflammation by PIM kinase mediated serine phosphorylation of GATA3 at the S369 site**

Chen Chen

*Key Laboratory of Molecular Virology & Immunology, Unit of Molecular Immunology, Institut Pasteur of Shanghai, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, CHINA.*

**P027/Abstract No. 048**

**MiR-125a-5p stabilizes Treg cells exposed to inflammation through targeting IL-6R and STAT3**

Dan Li

*Key Laboratory of Molecular Virology & Immunology, Unit of Molecular Immunology, Institut Pasteur of Shanghai, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China.*

**P028/Abstract No. 049**

**Activin-A-induced regulatory T cells give rise to tolerogenic dendritic cells that attenuate allergic airway inflammation through induction of Foxp3<sup>+</sup> regulatory T cells.**

Semitekolou Maria

*Cellular Immunology Laboratory, Center for Basic Research, Biomedical Research Foundation of the Academy of Athens, 4, SoranouEfessiou, Papagou, Athens, Greece*

**P029/Abstract No. 050**

**HGK/MAP4K4 deficiency induces TRAF2 stabilization and Th17 differentiation leading to insulin resistance**

Tse-Hua Tan

*Immunology Research Center, National Health Research Institutes, Zhunan, Taipei*

**P030/Abstract No. 052**

**The nuclear IκB family protein “IκB<sub>NS</sub>” control Th17 cells differentiation.**

Takashi Maruyama

*Laboratory of Cell signaling, School of Medicine, Gifu University, Gifu 501-1194, Japan*

**P031/Abstract No. 053**

**Oxysterols are agonist ligands of RORγt and drive Th17 cell differentiation**

Siquan Sun

*Janssen Research and Development, LLC, San Diego, CA 92121*

**P032/Abstract No. 056**

**Induction of MPO tolerance by nasal administration of immunogenic MPO peptide (MPO 409-428) in the model of MPO-ANCA associated glomerulonephritis**

PY GAN

*Centre for Inflammatory Diseases, Monash University Department of Medicine, and <sup>2</sup>Department of Nephrology, Monash Health; Clayton, Victoria, Australia*

**P033/Abstract No. 057**

**Exploring the roles and plasticity of T-cell responses in anti-bacterial immunity**

Ferraro A

*GlaxoSmithKline Vaccines, Rixensart, Belgium*

**P034/Abstract No. 059**

**PC61-mediated Treg depletion markedly reduces antibody production during genital *Chlamydia* infection**

Jun Wang

*Canadian Center for Vaccinology, Department of Microbiology & Immunology, Department of Pediatrics, Faculty of Medicine, Dalhousie University, Nova Scotia, CANADA.*

**P035/Abstract No. 060**

**Endogenous TOLL-like receptor 9 regulates acute kidney injury by promoting regulatory T cell recruitment**

Maliha A. Alikhan

*Centre for Inflammatory Diseases, Department of Medicine, Monash University, Clayton, Victoria, Australia*

**P036/Abstract No. 063**

**Diagnosing transplant tolerance by in vitro assay of CD4<sup>+</sup>CD25<sup>+</sup> T cells and CD4<sup>+</sup>CD25<sup>-</sup> T cells in MLC to specific donor and third party antigen.**

Hall BM

*Immune Tolerance Laboratory UNSW Australia, Sydney.*

**P037/Abstract No. 064**

**GILZ regulates production of pTreg and tTreg cells and is necessary for glucocorticoid-mediated induction of Treg cells**

Oxana Bereshchenko

*Department of Medicine, Section of Pharmacology, University of Perugia, S. Andrea delle Fratte, Perugia, 06132, Italy.*

**P038/Abstract No. 065**

**PKC inhibitor sotrastaurin stabilizes human Treg phenotype and prevents psoriatic dermal T cells producing IL-17 and IFN- $\gamma$**

Xuehui He

*Laboratory of Medical Immunology, <sup>2</sup>Laboratory of Clinical Chemistry, Department of Laboratory Medicine, Radboud University Medical Centre, Nijmegen, The Netherlands*

**P039/Abstract No. 068**

**All-trans retinoic acid stable human regulatory T cells under inflammatory conditions**

Ling Lu

*Department of Liver Surgery, First Affiliated Hospital of Nanjing Medical University; China*

**P040/Abstract No. 070**

**The impact of secondary iTreg clones in the TCR repertoire of tumor patients.**

Maria Xydia

*German Cancer Research Center (dkfz), Im Neuenheimer Feld 460, 69120 Heidelberg, Germany.*

**P041/Abstract No. 072**

**Phosphorylation of Stat3 involved in the pathogenesis of dysfunctional regulatory T cells in psoriasis**

Luting YANG

*Department of Dermatology, Xijing Hospital, Number 127, Chang le West Road, Xi'an, China*

**P042/Abstract No. 074**

**Gene expression signature analysis of human Treg and Th subpopulations by customized Ion AmpliSeq-RNA quantification.**

Friedrich Raulf

*Novartis Institutes for BioMedical Research, Autoimmunity, Transplantation & Inflammation disease area, CH-4002 Basel, Switzerland*

**P043/Abstract No 075**

**Iron deficiency impairs regulatory T cell homeostasis**

Marc Martínez-Llordella

*Institute of Liver Studies, King's College Hospital, MRC Transplant Centre, King's College London*

**P044/Abstract No. 076**

**Enhanced lipopolysaccharide induced monocyte activation by recombinant human soluble cluster of differentiation (CD) 14**

Seong-Jun Kang

*Department of Microbiology and Immunology, Translational Xenotransplantation Research Center, Seoul National University College of Medicine, Seoul 110-799, Korea*

**P045/Abstract No. 077**

**Murine mesenchymal stem cell-derived exosomes suppress Th17, but not Th1 differentiation.**

Sun-Ho Lee

*Department of Microbiology and Immunology, Xenotransplantation Research Center, Seoul National University College of Medicine, Seoul 110-799, Korea*

**P046/Abstract No. 078**

**Dual phenotypic regulatory T cell in human pancreatic carcinoma**

Stalin Chellappa Gunasekaran

*The Biotechnology Centre of Oslo, University of Oslo, Norway*

**P047/Abstract No. 079**

**Feasibility of isolation and storage of CD4<sup>+</sup> cells as a source of regulatory T cells for clinical application.**

Karolina Gołab

*Department of Surgery, University of Chicago, 910 E. 58th Street, room 029, Chicago, IL 60615, USA*

**P048/Abstract No. 081**

**Molecular determinants of effector Treg differentiation.**

Ajithkumar Vasanthakumar

*Walter and Eliza Hall Institute of Medical Research, Melbourne, Australia.*

**P049/Abstract No. 082**

**Tregs and T<sub>FH</sub> cells in pediatric patients with vasculitic renal disease and following transplantation**

SI Alexander

*University of Sydney, Children's Hospital at Westmead, Centre for Kidney Research, Centre for Transplantation and Renal Research, Royal Prince Alfred Hospital, Australia*

**P050/Abstract No. 083**

**Human CD14<sup>+</sup> CD36<sup>hi</sup> monocytes induce extrathymic Treg differentiation from naïve CD4<sup>+</sup> T cells**

Makio Iwashima

*Department of Microbiology and Immunology and Cardiovascular Surgery, Institute of Infectious Disease and Immunology, and Van Kampen Cardiopulmonary Research Laboratory, Stritch School of Medicine, Loyola University Chicago, Maywood, IL 60153, USA*

**P051/Abstract No. 086**

**MicroRNA-155 regulates T follicular helper cell generation and function through the Peli1-c-Rel axis**

Wen-Hsien Liu

*State Key Laboratory of Cellular Stress Biology, Innovation Center for Cell Biology, School of Life Sciences, Xiamen University, Xiamen, Fujian, China.*

**P052/Abstract No. 087**

**Reciprocal regulation of Th17 and Treg cells by SGK1**

Chuan Wu

*Evergrande Center for Immunologic Diseases, Brigham and Women's Hospital, Harvard Medical School, Boston, USA;*

**P053/Abstract No. 088**

**Diverse roles for T-bet in the effector responses required for resistance to infection**

Gretchen Harms Pritchard

*Department of Pathobiology, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, PA 19104, USA*

**P054/Abstract No. 089**

**FOXP3 regulates RNA alternative splicing in Tregs**

Baohua Zhou

*Department of Pediatrics, Wells Center for Pediatric Research, Indiana University School of Medicine, Indianapolis, IN 46202, United States*

**P055/Abstract No. 090**



**CD4<sup>+</sup>CXCR5<sup>+</sup>ICOS<sup>+</sup>PD1<sup>+</sup> T follicular helper cells participate in the pathogenesis of infectious mononucleosis patients**

Jinlin Liu

*Department of Clinical Laboratory, <sup>2</sup>Department of Pediatrics, Zhejiang Province People's Hospital, Hangzhou, 310004, China*

**P056/Abstract No. 091**

**FOXP3 tightly controls target gene expression using microRNAs in human regulatory T cells, and regulates Treg plasticity**

Barry SC

*Molecular Immunology, WCHRI, North Adelaide, SA, Australia*

**P057/Abstract No. 092**

**PI16: a novel biomarker on human Treg and T helper subsets which identifies defective Treg in Type 1 diabetes.**

S. C. Barry

*Molecular Immunology, WCHRI, Adelaide, SA, Australia*

**P058/Abstract No. 093**

**The RNA-binding protein HuR regulates CD4<sup>+</sup> T cell differentiation and is required for normal IL-2 homeostasis and allergic airway inflammation**

Ulus Atasoy

*University of Missouri, Columbia, MO, USA.*

**P059/Abstract No. 094**

**Heliospositive Tregs are self-reactive and have distinct functional properties**

Lena Wyss

*Departments of Biomedicine and Nephrology, University Hospital-Basel and University of Basel, Hebelstrasse 20, CH-4031 Basel, Switzerland*

**P060/Abstract No. 095**

**The cytokine IL-27 limits acute and chronic manifestations of lung disease in a mouse model of post viral asthma**

Gaia Muallem

*Department of Pathobiology, University of Pennsylvania, Philadelphia, PA.*

**P061/Abstract No. 096**

**T cell-specific Blimp-1 ablation exacerbates autoimmune encephalomyelitis in NOD mice by excessively increasing Th1 and Th17 and impairing Treg cells**

Ming-Hong Lin

*Department and Graduate Institute of Microbiology and Immunology, National Defense Medical Center, Taipei*

**P062/Abstract No. 097**

**Commensal bacteria suppresses food allergy by inhibiting ILC2 cytokine production through Th17 induction**

Ryusuke Nakagawa

*Department of Microbiology and Immunology, Keio University School of Medicine, Tokyo, Japan*

**P063/Abstract No. 102**

**Monocytes of synovial fluid in osteoarthritis produce a large quantity of interleukin 1 beta although no relationship to the pain severity**

Nyoman Kertia

*Section of Rheumatology, Department of Internal Medicine, Faculty of Medicine GadjahMada University / Dr. Sardjito Hospital, Yogyakarta – Indonesia*

**P064/Abstract No. 104**

**The role of PD1/PDL1 in the induction of regulatory T cells during infection with protozoan parasites**

Lynn Soong

*Department of Microbiology and Immunology, University of Texas Medical Branch, Galveston, TX, USA*

**P065/Abstract No. 106**

**Phenotypic Tfh development promoted by CXCR5-controlled re-localization and IL-6 from radiation-resistant cells**

Xin Chen

*Laboratory of Dynamic Immunobiology, Institute for Immunology, School of Medicine, Tsinghua University, Beijing, China.*

**P066/Abstract No. 107**

**Immune recognition of dietary antigens by mucosal CD4 T cells**

Kwang Soon Kim

*Academy of Immunology and Microbiology, Institute of Basic Science (IBS), Pohang, South Korea*

**P067/Abstract No. 108**

**Th17 can regulate silica-induced lung inflammation through an IL-1 $\beta$ -dependent mechanism**

Laiyu Song and Jie Chen

*Division of Pneumoconiosis, School of Public Health, China Medical University, Shenyang, PR China.*

**P068/Abstract No. 109**

**Dendritic cell paralysis induced by interleukin 2-conditioned antigen non-specific regulatory T cells**

Jiacong Yan

*Tsinghua Institute for Immunology; Department of Basic Medical Sciences, School of Medicine, Tsinghua University, Beijing, China*