

Workshop Category and Keywords

2024.04.10

No.	Category	Keywords
1	Hematopoiesis and Immune Environment	Adhesion molecules Agonist selection AIRE Bone marrow Bone marrow transplantation b-selection CD1 Cell fate decision Cell Migration/ Chemotaxis Central tolerance Chemokine/ Chemokine receptors Co-stimulation Cytokines/ Cytokine receptors Cytoskeleton Extracellular matrix Extrathymic differentiation Fibroblastic reticular cell (FRC) Follicular dendritic cell (FDC) Hematopoietic stem cells Homeostasis Lectins Lineage commitment Lymph nodes Lymphatic endothelial cells Lymphocyte development Lymphoid precursors Mesenchymal stem cells MHC Niche Non-classical MHC Notch/Delta Osteoblasts Plasticity Pluripotency Positive/negative selection Pre-TCR Promiscuous gene expression Repertoire selection & formation Self-renewal Signal transduction Sphingosin-1-P Stromal cells T cell receptor (TCR) TEC Thymic microenvironment Thymus Vascular endothelial cells
2	B cells	Adaptor protein Affinity maturation AID Antigen-antibody interaction B cell activation B cell receptor (BCR) Class switch Clonal selection Co-receptor Co-stimulation Early B cell development GEM/Lipid microdomain Germinal center Inhibitory signals ITAM, ITIM Long-lived plasma cells Memory B cell Plasma cells Pre-BCR Receptor editing Regulatory B cell Repertoire Secondary lymphoid organ Signal transduction Somatic hypermutation Transcription factors V(D)J recombination
		Adaptor proteins Adhesion molecules AICD Anergy Antigen presenting cells CD1 CD4 memory CD8 memory Cell Migration Cellular interaction Central memory Chemokine/ Chemokine receptors Co-stimulation Cytokines/ Cytokine receptors Cytotoxic T cells Effector memory

Workshop Category and Keywords

2024.04.10

No.	Category	Keywords
3	T cells	Epigenetics GEM/lipid raft Gene expression Gene regulation Homeostasis Homeostatic proliferation Immune diseases Immune regulation Immune-metabolism Immunological memory Immunological synapse Inhibitory signals Life-long memory Memory T cells MHC Neuro-immune axis Non-classical MHC Plasticity Programmed cell death Secondary lymphoid organ Signal transduction T cell activation T cell receptor (TCR) T-B interaction Th1/Th2/Th17 tissue resident memory T cells Transcription factors
4	Dendritic cells, macrophages, granulocytes	Antigen peptides Antigen processing Antigen transfer Antigen-presenting cell Apoptosis Autophagy Cathepsin CD1 Cell circulation Cell migration Chemokine/ Chemokine receptors Co-stimulation Cross-presentation Cytokines/ Cytokine receptors Development of DC, Macrophages, and granulocytes Differentiation Differentiation Differentiation pathway Hsp Immune regulation Immunological tolerance Inflammasome Inflammation Intercellular interaction Interferon Lectins Maturation/Activation MHC Migration Neutrophils Nod like receptor (NLR) Non-classical MHC Phagocytes Phagocytosis Proteasome Recognition of non-self Regulatory dendritic cell Regulatory macrophage Subsets T cell activation Th differentiation Tissue macrophage Toll-like receptor (TLR) Ubiquitination
5	Cytokines and chemokines	Cell Migration Chemokine/ Chemokine receptors CSF Cytokines/ Cytokine receptors Gene regulation Homing Immune diseases In vivo imaging Interferon Interleukin IRF Jak/STAT NF-kb Signal transduction Smad SOCS TGF-β family TNF family TRAF

Workshop Category and Keywords

2024.04.10

No.	Category	Keywords		
6	Innate immunity	ADCC Adjuvant Allergy Antigen presenting cells Apoptosis Atherosclerosis Autophagy Bone marrow transplantation CD1 cGAS Chemokine Complement C-Type Lectin Receptor (CLR) Cytokines/ Cytokine receptors Cytotoxic molecules DAMPs Dendritic cells gdT cells Glycolipid ILC inflammasome Inflammation Inflammatory mediators Interferon Intracellular trafficking Lectin Lipid LTI Macrophages MALT cells Mannose receptor MAP kinase metabolic change Mucosal Immunology Necrosis neutrophil extracellular traps (NETs) Neutrophils NF-kb Nitric oxide NK cell target molecules NK cells NK receptors NKT cells Nod like receptor (NLR) Nuclease Nucleic acid Organelle Paired receptors Phagocytosis Protease Pyroptosis Reactive oxygen Recognition of apoptotic cells Redox RIG-I-like receptor RORgt Signal transduction STING Tissue damage Toll-like receptor (TLR) Uric acid Virus infection		
		7	Mucosal-Skin Immunity	Atopic dermatitis B-1(Ly-1)cells Bronchus-associated lymphoid tissues (BALT) Commensal bacteria Cytokines/ Cytokine receptors Dendritic cells Epithelial cell Food allergy Gut-associated lymphoid tissues (GALT) Homing IgA ILC Inflammatory bowel diseases Intraepithelial T lymphocytes Isolated lymphoid follicles (ILF) Langerhans cell M cells Macrophages Mucin Mucosa-associated lymphoid tissues (MALT) Mucosal vaccine Nasopharyngeal-associated lymphoid tissues (NALT) Oral tolerance Peyer's patch Skin immunity Th1/Th2/Th17 Tr1 Treg

Workshop Category and Keywords

2024.04.10

No.	Category	Keywords		
8	Tolerance and Immune suppression	Upper respiratory allergy Anergy Autoimmunity Bone marrow transplantation CD28-B7 family Cell death cell senescence Central Tolerance Co-stimulation CTLA4 Cytokines/ Cytokine receptors Dendritic cells Feto-maternal interaction Foxp3 GvH GvL ICOS-L IDO IL-10 IL-2 ILC Immune checkpoint Immune homeostasis Immune suppression Immunosuppressive agents Inflammation MHC Organ transplantation PD-1 Peripheral tolerance Peripherally-generated Treg Receptor editing Recognition of apoptotic cells Regulatory CD8+ T cells TGF-β family Thymus-derived Treg TNF-TNFR family Tolerogenic dendritic cells Tr1 Transcription factors Transplantation immunology Treg		
		9	Virus infection Bacterial / mycofungal / parasite infection	Adjuvant Anti-microbial products Autophagy bacteria Cell surface receptors Central memory CTL Cytokine induction Dendritic cells DNA sensor DNA vaccine Effector cells Effector memory Escape mechanism Fungus Host defense mechanism Immune regulation Immune responses Immunological memory Inflammasome Interferon Lectin receptors Life-long memory Macrophages Maintenance of memory MAP kinase Microbial immunoactivators Neutrophils NF-kb NK cells Nod like receptor (NLR) Parasites Pathogen sensors Phagocytosis RIG-I RIG-I-like receptor RNA sensor Signaling molecules Target cells Th1/Th2 Toll-like receptor (TLR) Toxin Viral peptides Virus Virus-specific CTL Adhesion molecules AIRE Animal model

Workshop Category and Keywords

2024.04.10

No.	Category	Keywords
10	Autoimmune diseases	Autoantibody Autoantigens Autoimmunity Autoinflammatory disease (Autoinflammatory syndrome) Biologics Cellular interaction Chemokine/ Chemokine receptors Cord blood lymphocyte Co-stimulation Cytokines/ Cytokine receptors Disease-associated gene Gene expression Human immunity Humanized mouse Immunodeficiency Immunointervention Infection Inflammatory bowel disease iPS cell Organ specific autoimmune disease Organ transplantation Organoid Osteoblasts Osteoclasts Regenerative medicine Regulatory T cells Stem cell transplantation Synovial cells Systemic autoimmune disease
11	Allergy	Activating and inhibitory signal transduction Airway inflammation Allergens Allergic disease Basophils Bronchial asthma Contact hypersensitivity Cytokines/ Cytokine receptors Differentiation pathway Eosinophils IgE IgE receptor Innate lymphoid cells Itch Mast cells Migration Mucosal Immunology Neuro-immune axis Protease Th2 Vaccine for allergy
12	Tumor immunity	Adjuvant Adoptive immunotherapy Antibody Antigen presentation Antigen processing B cells Biomarkers Cancer cancer-associated fibroblasts CAR-NKT cells CAR-T cells Checkpoint blockade Chemokine/ Chemokine receptors Chemotherapy Co-inhibitory molecules Co-stimulatory molecules Cytokines/ Cytokine receptors cytotoxic T lymphocytes Dendritic cells DNA, RNA vaccine Effector cells Engineered antibodies Gene therapy Graft versus tumor effect Helper T cells immune-evasion immune-surveillance Immunogenic cell death Immunogenicity Immunotherapy iPS cells Macrophages Metabolism Myeloid-derived suppressor cells Neoantigens NK cells NKT cells Peptide vaccine Radiotherapy recombinant viruses/bacteria

Workshop Category and Keywords

2024.04.10

No.	Category	Keywords
		Regulatory T cells TCR-T cells tumor antigens tumor blood vessel Tumor microenvironment