

Workshop Category and Keywords

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

3		Cytokines/ Cytokine receptors
3		Cytotoxic T cells/ helper T cells
3		Effector memory
3		Epigenetics
3		GEM/lipid raft
3		Gene expression
3		Gene regulation
3		Homeostasis
3		Homeostatic proliferation
3	T cells	Immune diseases
3		Immune regulation
3		Immune-metabolism
3		Immunological memory
3		Immunological synapse
3		Inhibitory signals
3		Innate-like T cells
3		Life-long memory
3		Memory T cells
3		MHC
3		Neuro-immune axis
3		Non-classical MHC
3		Plasticity
3		Programmed cell death
3		Secondary lymphoid organ
3		Signal transduction
3		T cell activation
3		T cell receptor (TCR)
3		T-B interaction
3		Th1/Th2/Th17
3		tissue resident memory T cells
3		Transcription factors
4	Dendritic cells, macrophages, granulocytes	Antigen peptides
4		Antigen processing
4		Antigen transfer
4		Antigen-presenting cell
4		Apoptosis
4		Autophagy
4		Cathepsin
4		Cell circulation
4		Cell migration
4		Chemokine/ Chemokine receptors
4		Co-stimulation
4		Cross-presentation
4		Cytokines/ Cytokine receptors
4		Development of DC, Macrophages, and granulocytes
4		Differentiation
4		Differentiation
4		Differentiation pathway
4		Hsp
4		Immune regulation
4		Immunological tolerance
4		Inflammasome
4		Inflammation
4		Intercellular interaction
4		Interferon
4		Lectins
4		Maturation/Activation
4		MHC
4		Migration
4		Neutrophils
4		Nod like receptor (NLR)
4		Non-classical MHC
4		Phagocytes
4		Phagocytosis
4		Proteasome
4		Recognition of non-self
4		Regulatory dendritic cell
4		Regulatory macrophage
4		Subsets
4		T cell activation
4		Th differentiation
4		Tissue macrophage
4		Toll-like receptor (TLR)
4		Ubiquitination
5	Cytokines and chemokines	Cell Migration
5		Chemokine/ Chemokine receptors
5		Chemotaxis
5		CSF
5		Cytokines/ Cytokine receptors
5		Gene regulation
5		GPCR
5		Homing
5		Immune diseases
5		In vivo imaging
5		Interferon
5		Interleukin
5		IRF
5		Jak/STAT
5		NF-kb

5		Signal transduction
5		Smad
5		SOCS
5		TGF-β family
5		TNF family
5		TRAF
6	Innate immunity	ADCC
6		Adjuvant
6		Allergy
6		Antigen presenting cells
6		Apoptosis
6		Atherosclerosis
6		Autophagy
6		Bone marrow transplantation
6		CD1
6		cGAS
6		Chemokine
6		Complement
6		C-Type Lectin Receptor (CLR)
6		Cytokines/ Cytokine receptors
6		Cytotoxic molecules
6		DAMPs
6		Dendritic cells
6		gdT cells
6		Glycolipid
6		ILC
6		inflammasome
6		Inflammation
6		Inflammatory mediators
6		Interferon
6		Intracellular trafficking
6		Lectin
6		Lipid
6		LTi
6		Macrophages
6		MAIT cells
6		Mannose receptor
6		MAP kinase
6		metabolic change
6		Mucosal Immunology
6		Necrosis
6		neutrophil extracellular traps (NETs)
6		Neutrophils
6		NF-kb
6		Nitric oxide
6		NK cell target molecules
6		NK cells
6		NK receptors
6		NKT cells
6		Nod like receptor (NLR)
6		Nuclease
6		Nucleic acid
6		Organelle
6		Paired receptors
6		PAMPs
6		Phagocytosis
6		Protease
6		Pyroptosis
6		Reactive oxygen
6		Recognition of apoptotic cells
6		Redox
6		RIG-I-like receptor
6		RORgt
6		Signal transduction
6		STING
6		Tissue damage
6		Toll-like receptor (TLR)
6		Virus infection
6		Immunometabolism
6		Metabolic adaptation
6		Efferocytosis
7	Mucosal-Skin Immunity	Atopic dermatitis
7		B-1(Ly-1)cells
7		Bronchus-associated lymphoid tissues (BALT)
7		Commensal bacteria
7		Cytokines/ Cytokine receptors
7		Dendritic cells
7		Epithelial cell
7		Food allergy
7		Gut-associated lymphoid tissues (GALT)
7		Homing
7		IgA
7		ILC
7		Inflammatory bowel diseases
7		Intraepithelial T lymphocytes
7		Isolated lymphoid follicles (ILF)
7		Langerhans cell
7		M cells
7		Macrophages
7		Mucin
7		Mucosa-associated lymphoid tissues (MALT)
7		Mucosal vaccine
7		Nasopharyngeal-associated lymphoid tissues (NALT)

7		Oral tolerance
7		Peyer's patch
7		Skin immunity
7		Th1/Th2/Th17
7		Tr1
7		Treg
7		Upper respiratory allergy
8	Tolerance and Immune suppression	Anergy
8		Autoimmunity
8		Bone marrow transplantation
8		CD28-B7 family
8		Cell death
8		cell senescence
8		CentralTolerance
8		Chemokines/ Chemokine receptors
8		Clonal deletion
8		Co-stimulation
8		CTLA4
8		Cytokines/ Cytokine receptors
8		Dendritic cells
8		Exhaustion
8		Feto-maternal interaction
8		Foxp3
8		GvH
8		GvL
8		ICOS/ICOS-L
8		IDO
8		IL-10
8		IL-2
8		Immune checkpoint
8		Immune homeostasis
8		Immune suppression
8		Immunosuppressive agents
8		Inflammation
8		Innate lymphoid cells
8		LAG-3
8		MHC
8		Microbiota
8		Organ transplantation
8		PD-1
8		Peripheral tolerance
8		Peripherally-generated Treg
8		Receptor editing
8		Recognition of apoptotic cells
8		Regulatory CD8+ T cells
8		T cell receptors
8		TGF-β family
8		Thymus-derived Treg
8		TNF-TNFR family
8		Tolerogenic dendritic cells
8		Tr1
8		Transcription factors
8		Transplantation immunology
8		Treg
9	Virus infection Bacterial / mycofungal / parasite infection	Adjuvant
9		Anti-microbial products
9		Autophagy
9		bacteria
9		Cell surface receptors
9		Central memory
9		CTL
9		Cytokine induction
9		Dendritic cells
9		DNA sensor
9		DNA vaccine
9		Effector cells
9		Effector memory
9		Escape mechanism
9		Fungus
9		Host defense mechanism
9		Immune regulation
9		Immune responses
9		Immunological memory
9		Inflammasome
9		Interferon
9		Lectin receptors
9		Life-long memory
9		Macrophages
9		Maintenance of memory
9		MAP kinase
9		Microbial immunoactivators
9		mRNA vaccine
9		Neutralizing antibody
9		Neutrophils
9		NF-kb
9		NK cells
9		Nod like receptor (NLR)
9		Parasites
9		Pathogen sensors
9		Phagocytosis
9		RIG-I
9		RIG-I-like receptor
9		RNA sensor

9		Signaling molecules
9		Target cells
9		Th1/Th2
9		Toll-like receptor (TLR)
9		Toxin
9		Vaccine
9		Viral peptides
9		Virus
9		Virus-specific CTL
10	Immune diseases	AIRE
10		Animal model
10		Autoantibody
10		Autoantigens
10		Autoimmunity
10		Autoinflammatory disease (Autoinflammatory syndrome )
10		Biologics
10		Cellular interaction
10		Chemokine/ Chemokine receptors
10		Cord blood lymphocyte
10		Co-stimulation
10		Cytokines/ Cytokine receptors
10		Disease-associated gene
10		Gene expression
10		Human immunity
10		Humanized mouse
10		Immunodeficiency
10		Immunointervention
10		Infection
10		Inflammatory bowel disease
10		iPS cell
10		Neurodegenerative Diseases
10		Neuroimmunology
10		Organ specific autoimmune disease
10		Organ tansplantation
10		Organoid
10		Osteoblasts
10		Osteoclasts
10		Regenerative medicine
10		Regulatory T cells
10		Stem cell transplantation
10		Synovial cells
10		Systemic autoimmune disease
11	Allergy	Activating and inhibitory signal transduction
11		Airway inflammation
11		Allergens
11		Allergic disease
11		Atopic dermatitis
11		Basophils
11		Bronchial asthma
11		Chemokines/ Chemokine receptors
11		Contact hypersensitivity
11		Cytokines/ Cytokine receptors
11		Dendritic cells
11		Differentiation pathway
11		Eosinophils
11		Food allergy
11		IgE
11		IgE receptor
11		Innate lymphoid cells
11		Itch
11		Mast cells
11		Microbiota
11		Migration
11		Mucosal Immunology
11		Neuro-immune axis
11		Protease
11		Regulatory T cells
11		Th2
11		Vaccine for allergy
12	Tumor immunity	Adjuvant
12		Adoptive immunotherapy
12		Antibody
12		Antigen presentation
12		Antigen processing
12		B cells
12		Biomarkers
12		Cachexia
12		cancer-associated fibroblasts
12		CAR-NKT cells
12		CAR-T cells
12		Checkpoint blockade
12		Chemokine/ Chemokine receptors
12		Chemotherapy
12		Co-inhibitory molecules
12		Co-stimulatory molecules
12		Cytokines/ Cytokine receptors
12		cytotoxic T lymphocytes
12		Dendritic cells
12		DNA, RNA vaccine
12		Effector cells
12		Engineered antibodies
12		Exhausted T cell
12		Gene therapy

12	tumor immunity	Graft versus tumor effect
12		Helper T cells
12		immune-evasion
12		immune-surveillance
12		Immunogenic cell death
12		Immunogenicity
12		Immunotherapy
12		iPS cells
12		irAE
12		Macrophages
12		Metabolism
12		Myeloid-derived suppressor cells
12		Neoantigens
12		NK cells
12		NKT cells
12		Peptide vaccine
12		Radiotherapy
12		recombinant viruses/bacteria
12		Regulatory T cells
12		T cell receptor
12		TCR-T cells
12		tumor antigens
12		tumor blood vessel
12		Tumor microenvironment