

# AIM Workshop on Immune Homeostasis and Function

May 2 – 3<sup>rd</sup>, 2016, AIM, IBS, Pohang

## May 2 (MON), Auditorium (1F, PBC)

Time	Speaker	Title
09:00 – 09:20		Opening & Introduction
09:20 – 10:00	You-Me Kim	Control of the intestinal immune system by fungal components
<b>Session 1: Host/Microbial Interaction and Immune Response</b>		<b>Session Chair: Sin-Hyeog Im</b>
10:00 – 10:30	Changhon Lee	Functional characterization of mannan polysaccharide derived from commensal yeast on immune regulation
10:30 – 11:00	Ravi Verma	Rationally selected Bifidobacterium bifidum generates functionally active inducible regulatory T cells
<b>11:00 – 11:20</b>	<b>Break</b>	
11:20 – 11:50	Eunju O	Characterization of a peripheral Treg cell specific to a commensal bacterium that regulates intestinal homeostasis
11:50 – 12:20	Jung-Eun Kim	Lactobacillus pentosus 340 induces Tr1 like cells and suppresses Th17 immune responses
<b>12:20 – 14:00</b>	<b>Lunch</b>	

## Session 2: Molecular Determinants of T Cell Function

**Session Chair: Dipayan Rudra**

14:00 – 14:30	Kyungjin Cho	The role of microbiota on immune response to Listeria monocytogenes infection
14:30 – 15:00	Sung-Min Hwang	Id2 regulates the fate of Th17 and iTreg cells through different sensitivity to IL-6 and TGF- $\beta$
15:00 – 15:30	Won Hwang	Conserved non-coding DNA element CNS-9 regulates IL-10 gene expression in CD4 T cells
<b>15:30 – 15:50</b>	<b>Break</b>	
15:50 – 16:20	Gi-Cheon Kim	Transcription factor Ets1 regulates T cell activation via controlling of alternative splicing
16:20 – 16:50	Choong-Gu Lee	Transcription factor Ets1 negatively regulates the generation of inducible Treg cells
16:50 – 17:20	Sayantani Ghosh	Critical role of the transcription factor Foxp1 in establishing mucosal tolerance by mediating extrathymic Treg generation
<b>17:30</b>	<b>Dinner</b>	

## May 3 (TUE), Auditorium (1F, PBC)

09:00 – 09:40	Seung-Woo Lee	Inflammatory cytokines regulate homeostasis of hematopoietic stem and progenitor cells
<b>Session 3: T Cell Homeostasis</b>		<b>Session Chair: Jae Ho Cho</b>
09:40 – 10:10	Juhee Kim	Lymphopenia induced by busulfan and cyclophosphamide drives an unusual mode of CD4 T cell homeostatic proliferation
<b>10:10 – 10:30</b>	<b>Break</b>	
10:30 – 11:00	Jaey Yi	Tregs control activation of conventional CD4 T cells by competing for agonistic self-ligands
11:00 – 11:30	Jun-Young Lee	T cell tuning to self-reactivity generates a population of resting naïve Tregs that sense recent activation of T conventional cells
11:30 – 12:00	Youngjun Ju	Role of type I IFN signaling in shaping phenotypic and functional diversity of naïve CD8 T cells
<b>12:00 – 14:00</b>	<b>Lunch</b>	

## Session 4: Interaction between Food and Mucosal Immunity

**Session Chair: Stephen Schoenberger**

14:00 – 14:30	Daehee Han	TRAF6 in dendritic cell plays a key role to control immune response to dietary antigens
14:30 – 15:00	Sophie Hyun-Ja Ko	Identification of factors in the diet that influence on the activation of retinal dehydrogenase in CD103+LPDCs
15:00 – 15:30	Jisun Jung	Diet-driven IL-12 regulates differentiation of small intestinal CD8+ resident memory T cells
<b>15:30 – 15:50</b>	<b>Break</b>	
15:50 – 16:20	Sungwook Hong	Suppression of immune response to food antigens by commensal microbes
16:20 – 16:50	Min Ji Lee	The role of dietary antigens on homeostasis and functional activity of innate lymphoid cells (ILCs) in the gut
16:50 – 17:20	Kwangsoon Kim	Deciphering regulatory mechanisms for immune homeostasis to enteric antigens
<b>17:30</b>	<b>Dinner</b>	

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