

2009 JST-KICOS Cooperative Programme of IFReC and IVI *Regulation of Innate Immunity*

INTERNATIONAL VACCINE INSTITUTE (IVI), Seoul, Korea
September 18-19th, 2009

Friday, September 18

Keynote Lecture

Shizuo Akira Zc3h12a, a TLR inducible-ribonuclease involved in IL-6 mRNA degradation *IFReC, Japan*

Session I

Jie-Oh Lee **Basic Aspect of the Innate Immune System**
Osamu Takeuchi Ligand recognition by the TLR4-MD-2 complex *KAIST, Korea*
Bok-Luel Lee Functional role of TRAF family member-associated NF- κ B activator (TANK) in immune responses
You-Me Kim *IFReC, Japan*
Structure-activity relationship studies of bacterial lipoproteins on Toll-like receptor 2
Pusan National Univ., Korea
UNC93B and Toll-like receptor regulation *POSTECH, Korea*

Session II

Atsushi Kumanogoh **Regulation of Innate and Acquired Immunity**
Myung-Shik Lee Semaphorins, axonal guidance cues, regulate DCs trafficking into lymph nodes via activation
Taro Kawai of myosin II *IFReC, Japan*
Prevention of autoimmune diabetes by TLR2 modulation *SKKU, Korea*
Involvement of the inflammasome in innate and humoral adaptive immune responses
to fungal β -glucan *IFReC, Japan*

Session III

Won-Jae Lee **Innate Immunity in Mucosal Tissues**
Myoung-Ho Jang Regulation of innate immunity for gut-microbe homeostasis in *Drosophila*
Satoshi Uematsu *Ewha Woman's Univ., Korea*
Mi-Na Kweon Macrophages in mucosal immune regulation *POSTECH, Korea*
Kiyoshi Takeda Intestinal immune responses by TLR5⁺ lamina propria dendritic cells *IFReC, Japan*
The expansion of Gr-1⁺ cells by MyD88-independent manner *IVI, Korea*
ATP from commensal bacteria induces Th17 cell development in the intestine *IFReC, Japan*

Session IV

Cevayir Coban **Application of Innate Immunity**
Junsang Doh A role of TLR9 and the ASC-inflammasome in the malaria parasite *IFReC, Japan*
Sangdun Choi Studying immune system using imaging and microfabrication *POSTECH, Korea*
Systems biology approaches for the study of innate immunity *Ajou Univ., Korea*

Saturday, September 19

Session V

Eui-Cheol Shin **Role of Innate Immunity for Infectious Diseases**
Masahiro Yamamoto Role of type I Interferon in acute hepatitis C virus (HCV) infection *KAIST, Korea*
Eun-Kyeong Jo Role of Lipocalin 2 in inhibition of mycobacterial growth in alveolar epithelium *IFReC, Japan*
Yutaro Kumagai Innate immunity to mycobacteria: Vitamin D3 and autophagy
Yun Soo Bae *Chungnam National Univ., Korea*
TLR-dependent viral recognition for IFN- α production *IFReC, Japan*
Second messenger function of reactive oxygen species in innate immunity and atherosclerosis
Ewha Woman's Univ., Korea

Presentation by Young Investigators