

# 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**  
Ligand recognition by the TLR4-MD-2 complex *KAIST, Korea*  
Osamu Takeuchi Functional role of TRAF family member-associated NF- $\kappa$ B activator (TANK) in immune responses  
*IFReC, Japan*

Bok-Luel Lee Structure-activity relationship studies of bacterial lipoproteins on Toll-like receptor 2  
*Pusan National Univ., Korea*

You-Me Kim UNC93B and Toll-like receptor regulation *POSTECH, Korea*

### Session II

Atsushi Kumanogoh **Regulation of Innate and Acquired Immunity**  
Semaphorins, axonal guidance cues, regulate DCs trafficking into lymph nodes via activation  
of myosin II *IFReC, Japan*

Myung-Shik Lee Prevention of autoimmune diabetes by TLR2 modulation *SKKU, Korea*

Taro Kawai Involvement of the inflammasome in innate and humoral adaptive immune responses  
to fungal  $\beta$ -glucan *IFReC, Japan*

### Session III

Won-Jae Lee **Innate Immunity in Mucosal Tissues**  
Regulation of innate immunity for gut-microbe homeostasis in *Drosophila*  
*Ewha Woman's Univ., Korea*

Myoung-Ho Jang Macrophages in mucosal immune regulation *POSTECH, Korea*

Satoshi Uematsu Intestinal immune responses by TLR5<sup>+</sup> lamina propria dendritic cells *IFReC, Japan*

Mi-Na Kweon The expansion of Gr-1<sup>+</sup> cells by MyD88-independent manner *IVI, Korea*

Kiyoshi Takeda ATP from commensal bacteria induces Th17 cell development in the intestine *IFReC, Japan*

### Session IV

Cevayir Coban **Application of Innate Immunity**  
A role of TLR9 and the ASC-inflammasome in the malaria parasite *IFReC, Japan*

Junsang Doh Studying immune system using imaging and microfabrication *POSTECH, Korea*

Sangdun Choi 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**  
Role of type I Interferon in acute hepatitis C virus (HCV) infection *KAIST, Korea*  
Masahiro Yamamoto Role of Lipocalin 2 in inhibition of mycobacterial growth in alveolar epithelium *IFReC, Japan*  
Eun-Kyeong Jo Innate immunity to mycobacteria: Vitamin D3 and autophagy  
*Chungnam National Univ., Korea*

Yutaro Kumagai TLR-dependent viral recognition for IFN- $\alpha$  production *IFReC, Japan*

Yun Soo Bae Second messenger function of reactive oxygen species in innate immunity and atherosclerosis  
*Ewha Woman's Univ., Korea*

**Presentation by Young Investigators**