Program

May 10 (Thu)

18:00 – 21:00 Welcome reception at the Hotel KAL

May 11 (Fri)

09:00 – 09:15 Opening Remarks

Joon Haeng Rhee (Director, CVRDC, Chonnam National University)

Taroh Kinoshita (IFReC/RIMD, Osaka University)

09:15 – 10:35 Session I Immune Response

Chair : Kyung A Cho (Chonnam National University Medical School)
Satoshi Uematsu (RIMD, Osaka University)

09:15 **Jung Eun Kim** (CVRDC, GIST)

Mechanism of *Lactobacillus helveticus* HY7801-induced immune modulation in experimental arthritis

09:35 **Masako Kohyama** (RIMD, Osaka University)

Role for Spi-C in the development of red pulp macrophage and splenic iron homeostasis

09:55 **Hyeong Seok Lee** (CVRDC, Chonnam National University)

Caveolin-1 dependent TLR5 activation

10:15 **Thangaraj Karuppuchamy** (RIMD, Osaka University)

New subset of $CD103^{+}CD8\alpha^{+}$ DCs in small intestine express TLR3, TLR7 and TLR9 and induce Th1 response and CTL activity

10:35 – 10:50 Coffee Break

10:50 – 12:10 Session II Infection and Vaccine

Chair : In-Kyu Park (Chonnam National University Medical School)
Wataru Kamitani (RIMD, Osaka University)

10:50 **Seol Hee Hong** (CVRDC, Chonnam National University)

Intranasal administration of a flagellin-adjuvanted inactivated influenza vaccine enhances mucosal immune responses to protect mice against lethal infection

11:10 **Shuhei Sakakibara** (RIMD, Osaka University)

MHV68 in mice as a model for human γ-herpesvirus infection

11:30 **Yuji Inoue** (RIMD, Osaka University)

Induction of anti-viral immunity against Influenza A virus by GFP-based Immunogen carrying HA-derived epitope structure.

11:50 **Masanori Yagi** (RIMD, Osaka University)

Identification and characterization of protective epitopes in malaria vaccine candidate SE36

12:10 – 13:30 Lunch & Poster Session

12:30-13:00 (**odd number**)

13:00-13:30 (**even number**)

13:30 – 14:50 Special Session

Chair : Sin-Hyeog Im (Gwangju Institute of Science and Technology)

13:30 **Hueng-Sik Choi** (Chonnam National University)

A 3D view of orphan nuclear receptor

14:10 **Joon Haeng Rhee** (CVRDC, Chonnam National University)

After the sequencing of *Vibrio vulnificus* genomes: Looking for novel targets through post-genomic studies

14:50 – 15:05 Coffee Break

15:05 – 16:45 Session III Immune Response

Chair : Young Ran Kim (Dongshin University)
Yasuhiko Horiguchi (RIMD, Osaka University)

15:05 **Deok-Song Kim** (CVRDC, Chonnam National University)

Sialic acid on *O*-linked glycoprotein is a functional receptor for the sapovirus

15:25 **Takasuke Fukuhara** (RIMD, Osaka University)

miR-122 expression and lipid metabolism participate in the cell tropism of hepatitis C virus infection

15:45 **Tan Wenzhi** (CVRDC, Chonnam National University)

Molecular biological characterization of the putative siderophore biosynthesis pathway in *Vibrio vulnificus*

16:05 **Yo Sugawara** (RIMD, Osaka University)

Functional analysis of botulinum hemagglutinin using recombinant proteins

16:25 **Hirotaka Hiyoshi** (RIMD, Osaka University)

VopV, an F-actin-binding type III secretion effector, is required for *Vibrio parahaemolyticus*-induced

16:45 – 17:00 Coffee Break

17:00 – 18:00 Session IV Immunotherapy

Chair : Je-Jung Lee (Chonnam National University Hwasun Hospital)
Teruhito Yasui (RIMD, Osaka University)

17:00 **Van H. V. Dinh** (CVRDC, Chonnam National University)

Immunological analysis of targeted cancer therapy using light-emitting bacteria

17:20 **Hyun-Ju Lee** (CVRDC, Chonnam National University)

A bacterial flagellin combination with pro-inflammatory cytokines activates human monocyte-derived dendritic cells to generate cytotoxic T lymphocytes having increased homing signals to cancer

17:40 **Muthunarayanan Muthiah** (CVRDC, Chonnam National University)

FRET - based anticancer gene therapy mediated by Quantum Dot loaded Polymersome

18:00 – 18:15 Closing Remarks

Eisuke Mekada (Director, RIMD, Osaka University)

Joon Haeng Rhee (Director, CVRDC, Chonnam National University)

18:30 – 21:00 Dinner

May 12 (Sat)

08:00- Bus trip in Jeju

10:00- 13:00 Udo(Cow Islet)

13:00 - 14:00 Lunch

14:00 - 15:30 Seongsan Ilchulbong Tuff Cone