

**THE 3rd KOREA-JAPAN
INTERNATIONAL SYMPOSIUM
ON MICROBIOLOGY**

Crystall Ball Room, Hotel Lottte Taedok, Yousong, Taejon, Korea

November 1, 1996

SYMPOSIUM I: *Helicobacter* Infections

Chairpersons: Chang-Hong Min (Ex-President, 1st KJISM)

Kenji Oguma (Okayama University, Japan)

SI-1 Chemotactic Response to Urea is a Potential Colonization and Persistence Factor
of *H. Pylori*

Teruko Nakazawa (Yamaguchi University)

SI-2 Mechanistic Link between Stomach Cancer and *Helicobacter pylori* infection.

Kwang-Ho Rhee (Gyeongsang National University)

SI-3 Cholesteryl Glucoside as a Characteristic Feature of Membrane-lipid in
Helicobacter pylori and Immunological Reaction in the *H. pylori* Infection.

Yoshikazu Hirai (Okayama University,)

SI-4 Incidence of Vacuolating Toxin Production by *Helicobacter pylori* isolated from
Gastric Biopsy Specimens

Myung-Woong Chang (Koshin Medical College)

ORAL SESSION I

Chairpersons: Yong-Tae Yang (Chung-Ang University, Korea)

Yoshinari Ohnishi (Univ. of Tokushima, Japan)

O-1 Antiflagella Antibody and Viscosity Effect on *Campylobacter jejuni* Motility
Mika Shigematsu (Kyushu University)

O-2 Development of a Vehicle Vector for Gene Transfer in *Helicobacter pylori*
Myung-Je Cho (Gyeongsang National University)

O-3 Analysis of the Genes Responsible for O-Antigen Synthesis of *Vibrio cholerae* O1
and O139 in Comparison with Those of *V. cholerae* Non-O1 and Non-O139
Shinji Yamasaki (Internal Medical Center of Japan)

- O-4 Rapid Diagnosis of *Vibrio vulnificus* Septicemia from Clinical Specimens Using Nested-Polymerase Chain Reaction.
Joon-Haeng Rhee (Chonnam National University)
- O-5 Molecular Characterization of the Hemolysin Produced by *Vibrio mimicus*
Monzur Rahman (Okayama University, Japan)

SPECIAL LECTURE

Chairperson: Tai-You Ha (Chonbuk National University, Korea)

A Story from BCG to Biologically Active Oligo-DNA

Tohru Tokunaga (Ex-President of National Institute of Health, Japan)

ORAL SESSION II

Chairpersons: Min-Kee Cho (Hallym Univ. Korea)

Kazoonobu Amako (Kyushu Univ, Japan)

- O-6 A Study on the Collagen-Binding Domain of 116-Kilodalton *Clostridium histolyticum* Collagenase
Akinobu Okabe (Kagawa Medical School)
- O-7 *Clostridium perfringens* Alpha-Toxin-Induced Hemolysis is Related to Activation of Phospholipid Metabolism Systems
Jun Sakurai
- O-8 Activity of Levofloxacin against Aerobic Bacteria
Yun-Sop Chong (Yonsei University)
- O-9 Structure and Function of the Nontoxic Components Associating with the *Clostridium botulinum* Neurotoxins
K. Oguma (Okayama University)
- O-10 Cloning and Identification of the Virulence Genes Expressed in Virulent *Streptococcus pneumoniae*
Hee-Soo Kim (Dongguk University)

ORAL SESSION III

Chairpersons: Yang-Hyo Oh (Pusan National Univ, Korea)

Shinichi Nakamura (Kanazawa Univ, Japan)

- O-11 Seroepidemiologic and Phylogenetic Analyses of Hantavirus Infections in Korea
Kee -Joon Song (Korea University)
- O-12 Production of Mouse Single Chain Fv Antibody to Surface Protein, preS1, of
Hepatitis B Virus using Antibody Phage Display Library
In-Hak Choi (Inje University)
- O-13 Detection of Adenovirus in Stools from Children with Diarrhea by Polymerase
Chain Reaction
Hae-Kyung Park (Ewha Womans University)
- O-14 Diversity of the 56-kDa Protein Genes of *Orientia tsutsugamushi*
Ik-Sang Kim (Seoul National University)

ORAL SESSIONS IV

Chairpersons: Yun-Tai Lee (Danguk Univ., Korea)

Akinobu Okabe (Kagawa Medical School, Japan)

- O-15 Selective Induction of Th2 Type Cytokine Expression by Staphylococcal
EnterotoxinB (SEB) in NOOD Mice
Millina Lee (Ajou University)
- O-16 Studies on Mutants Streptococci with Monoclonal Antibodies-Comparison with
Biochemical and Genetic Results
F. Ota (Tokushima University)
- O-17 Long-Term Oral Administration of Ginseng Extract Increase Serum
IgG and Decreases Serum Immunoglobulin G1 Isotype Level in
Mice
Yoon-Won Kim (Hallym University)
- O-18 Role of the Subunits Proteins of the Mex-Flux Machinery in the Antibiotic
Susceptibility and Extrusion in *Pseudomonas aeruginosa*
Taiji Nakae (Tokai University)
- O-19 Elevated IL-12, but Depressed IL-10 mRNA Productions of the Human
Peripheral Blood Mononuclear Cells after Stimulation with Triton X-100
Solubilized Protein (TSP) Antigen of *Mycobacterium tuberculosis* H37Rv
Eun-Kyeong Jo (Chungnam National University)

SYMPOSIUM II: MOLECULAR EPIDEMIOLOGY OF DRUG RESISTANCE

Chairpersons: Joo-Deuk Kim (Yonse Univ, Korea)

Hajime Hashimoto (Kitasato Institute, Japan)

- SII-1 Epidemiological Study of β -Lactamase: Dissemination of a Broad Spectrum
Metallo β -Lactamase
Michio Ohta (Nagoya University)
- SII-2 An Overview of Antimicrobial Resistance of Gram-positive and β -negative Cocci
in Korea
Yun-Sop Chong (Yonsei University)
- SII-3 Multidrug Resistance in *Pseudomonas aeruginosa*
Naomasa Gotoh (Kyoto Pharmaceutical University)
- SII-4 Evolution of Antimicrobial Resistance Genes as a Molecular Epidemiological
Marker
Dong-Taek Cho (Kyungpook National University)