

**THE 5th KOREA-JAPAN INTERNATIONAL
SYMPOSIUM ON MICROBIOLOGY
2000**

Kyongju TEMF Hotel, Kyongju, Korea
October 18-20, 2000

SYMPOSIUM I

DRUG RESISTANCE- ITS MECHANISM AND CURRENR STATUS

Chairpersons: Shinichi Nakamura (Kanazawa University) and
Dong Taek Cho (Kyungpook National University)

- SI-1 Two-dimensional analysis of staphylococcal exoproteins for the application in epidemiological study
Michio Ohta (Nagoya University)
- SI-2 Study of the genes responsible for the drug resistance of *Mycobacterium tuberculosis* and their application for rapid diagnosis
Yasuhiko Suzuki (Osaka Prefectural Institute of Public Health)
- SI-3 Microevolution and macroevolution of antimicrobial resistance genes identified in Korea
Dong Taek Cho (Kyungpook National University)
- SI-4 Current status of antimicrobial resistance in Korea
Yunsop Chong (Yonsei University)

SPECIAL LECTURE

Chairperson: Chul-Soon Choi (Chung-Ang University)

Thiol-activated cytolysins from Gram-positive bacteria as a possible new bacterial modulin: implication in the immune response
Prof. Masao Mitsuyama (Kyoto University)

Poster Session

SYMPOSIUM II

MOLECULAR MECHANISMS OF BACTERIAL PATHOGENESIS

Chairpersons: Toshiya Hirayama (Nagasaki University) and
Kwang-Ho Rhee (Gyeongsang National University)

- SII-1 Pathogenesis and genome of *Vibrio parahaemolyticus*
Tetsuya Iida (Osaka University)
- SII-2 Molecular pathogenesis of *Helicobacter pylori* infection
Kwang-Ho Rhee (Gyeongsang National University)
- SII-3 Molecular mechanism of the action of *Clostridium botulinum* type B
neurotoxin
Shunji Kozaki (Osaka Prefecture University)
- SII-4 Quorum sensing and virulence regulation in *Vibrio vulnificus*
Joon-Haeng Rhee (Chonnam National University)

POSTER SESSION

- P-1 Vascular endothelial growth factor expression in human trophoblast
cell line
Sun-Ju Choi *et al.* (Yonsei University)
- P-2 Identification and molecular evolution of *Bacillus anthracis* based on
REP-PCR genomic fingerprinting and amplified fragment length
polymorphism
Won-Yong Kim *et al.* (Chung-Ang University)
- P-3 Basolateral secretion of CXC chemokines by human intestinal
epithelial cells in response to *Bacteroides fragilis* enterotoxin via NF-
B pathway
Jung-Mogg Kim *et al.* (Hanyang University)
- P-4 Quantification of hepatitis C virus RNA in patients' sera by
competitive RT-nested PCR
Sae-Gwang Park *et al.* (Inje University)
- P-5 Two step purification of maltose-binding protein (MBP)-RNase H
fusion protein with a c-myc tag and histidine tail
Sae-Gwang Park *et al.* (Inje University)

- P-6 Antimicrobial activities of extracts from *Sophorae Flos*
In-Wha Seong *et al.* (Korea University)
- P-7 Correlation of diagnostic 4 sings, bacterial vaginosis and *Gardnerella vaginalis* isolaton and drug-resistant profiles of clinical isolates
Nam-Woong Yang *et al.* (Chosun University)
- P-8 Virulence factors and genotyping of *Vibrio parahaemolyticus*
Yung-Bu Kim *et al.* (Pusan National University)
- P-9 Detection of multidrug resistant patterns and associated-genes of methicillin resistant *Staphylococcus aureus* (MRSA) isolated from clinical specimens
Yang-Hyo Oh *et al.* (Pusan National University)
- P-10 Introduction of a catalase gene into *Streptococcus pneumoniae*
Hee-Soo Kim *et al.* (Dongguk University College of Medicine)
- P-11 Increased IL-12 and interferon-gamma, but not IL-18 production, after in vitro stimulation with a 30-KDa mycobacterial antigen in patients with tuberculous pleurisy
Eun-Kyeong Jo *et al.* (Chungnam National University)
- P-12 Analysis of cytokine-inducing activity of pneumolysin produced by *Streptococcus pneumoniae* : an essential region of pneumolysin for the cytokine-inducing activity is different from that for the membrane-lytic activitiy
Ikuo Kawamura *et al.* (Kyoto University)
- P-13 Studies on α -1, 3-glucanase and chitinase from *Arthrobacter* sp. NHB-10
Toshiyuki Kawabata *et al.* (Wakayama Medical College)
- P-14 Prevalence of *Ureaplasma urealyticum* in ovarian or cervical cancer
Myung-Woong Chang *et al.* (Kosin Medical Collage)
- P-15 Effects of mycoplasmal antigens on production of transforming growth factor- β 1 in human tumor cells.
Kwang-Hyuk Kim *et al.* (Kosin Medical Collage)
- P-16 Receptor β -like protein tyrosine phosphatase (RPTP) is functionous as a receptor for *Helicobacter pylori* VacA
Toshiya Hirayama *et al.* (Nagasaki University)
- P-17 Genetic structure in the region near the sialidase gene in *Bacteroides fragilis*
Tomomi Kuwahara *et al.* (The University of Tokushima)

- P-18 Expression and use of truncated recombinant flagellin protein (FlaB) in ELISA for diagnosis of leptospirosis
Mi-Yeoun Park *et al.* (Korea National Institute of Health)
- P-19 Multidrug-resistant *Salmonella typhimurium* and *Salmonella enteritidis* identified by multiplex PCR in Korea
Yong-Ho Park *et al.* (Seoul National University)
- P-20 Isolation and identification of two novel filamentous bacteriophages in the pandemic *Vibrio parahaemolyticus* O3:K6 and O4:K68 strains
Bin Chang *et al.* (University of Occupational and Environmental Health)
- P-21 Antituberculosis drug resistance in Korea, 1998-1999
Gill-Han Bai *et al.* (The Korean National Tuberculosis Association)
- P-22 Comparison of nontoxigenic and neurotoxigenic *Clostridium butyricum* by molecular typing methods
Xingmin Wang *et al.* (Kanazawa University)
- P-23 Peripheral polymorphonuclear leukocytes at ovulatory period are in an activated state
Fumie Shirai and Yoshitane Dohi (Osaka University)
- P-24 Physical map of the chromosome of Kanagawa -Phenomenon positive *Vibrio parahaemolyticus* KXV237
Kenichi Tagomori *et al.* (Osaka University)
- P-25 Effect of subinhibitory concentrations of antimicrobial agents (quinolones and macrolide) on the production of verotoxin by enterohemorrhagic *Escherichia coli* O157:H7
Myonsun Yoh *et al.* (Osaka University)
- P-26 47 kDa protein of *Orientia tsutsugamushi* do a critical role in invasion to eucaryotic cells by binding to cell surface heparan sulfate
Kyung-Soo Ihn *et al.* (Seoul National University)
- P-27 Identification of differentially expressed genes in human fetal astrocytes
Hye-Myung Yoo *et al.* (Yonsei University)
- P-28 Cloning and expression of low molecular protein antigens from *Mycobacterium tuberculosis* H₃₇Rv
Jae-Hyun Lim *et al.* (Chunam National University)

- P-29 Identification of a novel restriction enzyme from *Helicobacter pylori* that recognizes and cleaves 5'-GATC-3'
'3'-CTAG-5'
- Kazuhiko Nakajima *et al.* (Hyogo College of Medicine)
- P-30 Diversity of humoral immune responses to recombinant proteins of *Brucella abortus* among resident in Cheju province
- Hyung-Jin Euh *et al.* (Yonsei University)
- P-31 Effects of IL-12 DNA vaccine on reactivation of *Mycobacterium tuberculosis* in Cornell Model
- Bo-Young Jeon *et al.* (Yonsei University)