

Titles from The 78th Annual Meeting of the Japanese Society for Hygiene

March 28–31, 2008

Kumamoto Citizens Hall, Kumamoto

President: Prof. Atsushi Ueda (Kumamoto University)

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Special Invited Lecture Sunday, 30 March, 16:00–17:00

Chair person: **Atsushi Ueda**, Kumamoto University

Establishment of Sustainable Health Science for Future Generation using ChemiLess Town project

Chisato Mori, Department of Bioenvironmental Medicine, Graduate School of Medicine, Chiba University

Special Lecture by the President-Elect Monday, 31 March, 11:00–12:00

Chair person: **Kanehisa Morimoto**, Osaka University

Dream and Reality of Environmental Medicine

Yoshiharu Aizawa, Department of Preventive Medicine and Public Health, School of Medicine, Kitasato University, Kanagawa

2007 Congress Award Lecture Sunday, 30 March, 11:00–12:00

Chair person: **Akio Koizumi**, Kyoto University

Basic Study for Development of Rational Cancer Prevention Targeting Carcinogenic Molecules

Toshiyuki Sakai, Department of Molecular-Targeting Cancer Prevention, Graduate School of Medical Science, Kyoto Prefectural University of Medicine

2007 Young Investigators Award Lecture 1 Sunday, 30 March, 10:00–10:30

Chair person: **Tamie Nasu**, Nagoya University

Inflammation as a Cardiovascular Risk Factor and Pulse Wave Velocity as an Early Stage Atherosclerosis Maker

Yasuaki Saijo, Department of Health Science, Asahikawa Medical College

2007 Young Investigators Award Lecture 2 Sunday, 30 March, 10:30–11:00

Chair person: **Toshihiro Kawamoto**, University of Occupational And Environmental Health Japan

Distributions of Persistent Fluorinated Compounds in Japan and Their Toxicities

Kouji Harada, Kyoto University Graduate School of Medicine

Landmark Lecture 1 Saturday, 29 March, 13:00–14:00

Chair person: **Tatsuya Ishitake**, Kurume University

Tourism Innovation in Amakusa Greenlife Project

– Second Home Tourism and Health Tourism –
Makoto Sato, Hokkaido University Center for Advanced Tourism Studies

Landmark Lecture 2 Monday, 31 March, 13:00–14:00

Chair person: **Tatsuya Ishitake**, Kurume University

Creation and Maintenance of the Local Environment Using the Environmental Symbiosis Technique

Osamu Ishihara, Graduate School of Science and Technology, Kumamoto University

Main Symposia 1 Saturday, 29 March, 9:00–12:00

How to Prevent All People from Allergic Disorders by Chemical Sensitizing Substances in the Working And Living Environment

Chair persons: **Eiji Shibata**, Aichi Medical University
Kazuhiro Satoh, University of Fukui

1 Global Harmonized System of Classification and Labelling of Chemicals (GHS) and its Implementation in Japan

Muneyuki Miyagawa, Health Effects Research Group
National Institute of Occupational Safety and Health,
Institute of Industrial Health

2 Recent Development of Animal Testing to Predict the Respiratory and Skin Sensitizing Potential of Chemicals

Kohji Aoyama, Department of Environmental Medicine,
Graduate School of Health Sciences, Kagoshima University

3 Skin Sensitizers in Cosmetics and Skin Care Products and Contact Dermatitis

Keiko Minamoto, Department of Preventive and Environmental Medicine, Graduate School of Medicine and Pharmaceutical Sciences, Kumamoto University

4 Preventive Measures against Health Damage due to Chemicals in Household Products

Masaaki Kaniwa, National Institute of Health Sciences

5 Present Status of Occupational Allergy and Effect of Chemicals on Allergic Diseases

Kunio Dobashi, School of Health Sciences, Gunma University

Main Symposia 2 Sunday, 30 March, 13:00–16:00

Environmental Health Sciences in the Era of Daily Exposure to Various Environmental Chemicals at Low Dose

Chair persons: **Kazuko Kamiya**, National Institute for Minamata Disease

Hiroshi Satoh, Tohoku University Graduate School of Medicine

OVERVIEW

Environmental Health Sciences in the Era of Daily Exposure to Various Environmental Chemicals at Low Dose

Kazuko Kamiya, National Institute for Minamata Disease

Hiroshi Satoh, Tohoku University Graduate School of Medicine

1 Overview of Methylmercury Exposure Level in Minamata Disease and Present: Advances In Mercury Analysis and the Risks and Benefits of Fish Consumption

Mineshi Sakamoto, Department of Epidemiology, National Institute for Minamata Disease

2 Adverse health effects of the environmental chemicals on the next generation – from the Hokkaido Study on Environment and Children’s Health

Reiko Kishi, Department of Public Health, Hokkaido University Graduate School of Medicine

3 Evaluation and Limitation of Animal Experiments for Predicting Chemical Effects on Human Health

Hiroaki Aoyama, Toxicology Division, The Institute of Environmental Toxicology

4 Evaluation and Management of Human Health Risks Associated with Low Level Exposure to Multiple Chemicals/Stressors in Daily Lives

Junko Nakanishi, National Institute of Advanced Industrial Sciences and Technology Research Center for Chemical Risk Management

5 Preferable Risk Communications of Lower but Routine Exposure to Mixture Chemicals

Iwao Uchiyama, Kyoto University Graduate School of Engineering

Symposia 1 Saturday, 29 March, 14:00–16:00

The Society of Forest Medicine The Trends on the Research of Forest Bathing Trip in Japan, Korea and in the World

Chair persons: **Qing Li**, Nippon Medical School, **Yoshifumi Miyazaki**, Chiba University

1 Forests and Human Health – Global Trends in Research and Practice –

Hannu Raitio, Finnish Forest Research Institute, Finland

2 The Trends in Research on Therapeutic Effects of Forest Use in Korea

Won Sop Shin, Chungbuk National University, Korea

3 The Trends on the Research of Forest Bathing Trip in Japan

① The Situation of Fields for Therapeutic Effects of Forest and the Topics

Hideki Hirano, Forest Agency of the Ministry of Agriculture, Forestry and Fisheries of Japan

② The Forest Environment and Subjective Evaluation on Forest Bathing Trip

Takahide Kagawa, Forestry and Forest Products Research Institute

③ The Physiological Effects of Shinrin-yoku (Taking in the Atmosphere of the Forest)

Yuko Tsunetsugu, Forestry and Forest Products Research Institute

④ The Effect of Forest Bathing Trip on Human Immune Function

Qing Li, Nippon Medical School

Symposia 2 Saturday, 29 March, 16:00–18:00

Multi-disciplinary Approach to Life-style Medicine

Chair persons: **Katsumi Yoshida**, St. Marianna University

Takashi Mutou, Dokkyo University

OVERVIEW

Multi-disciplinary Approach to Life-style Medicine

Katsumi Yoshida, St. Marianna University School of Medicine

Takashi Mutou, Dokkyo Medical University School of Medicine

1 Behavior Science and Health Promotion for Individuals and Community

Kazunori Kayaba, Saitama Prefectural University School of Health and Social Service

2 Improvement of the Prefrontal Function of Elders – Bridges Between Neuroscience and Society –

Ryuta Kawasima, Division of Brain Sciences Institute of Development, Aging and Cancer, Tohoku University

3 A Creation of the Alternative Index for Area-based Health Level

Naoyuki Okamoto, Kanagawa Cancer Center

4 Health Education and Health Policy – Why health education should be linked with health policy?

Toshihiro Iwanaga, Japan Association for Development of Community Medicine

Symposia 3 Saturday, 29 March, 14:00–16:00

Biological Effects of Fibrous and Particulate Substances and Related Region

Chair persons: **Takemi Otsuki**, Kawasaki Medical School

Seishiro Hirano, National Institute for Environmental Studies

OVERVIEW

Biological Effects of Fibrous and Particulate Substances and Related Region

Takemi Otsuki, Department of Hygiene, Kawasaki Medical School

Seishiro Hirano, National Institute for Environmental Studies RCER

1 Worldwide Trend for Safety Evaluation of Nanoparticles

Seishiro Hirano, Environ. Nanotoxicol. Section, RCER, Natl. Inst. Environ. Studies

2 The Evaluation of the Safety of Asbestos Substitutes

Yuichiro Kudo, Department of Preventive Medicine and Public Health, Kitasato University School of Medicine

3 Inhalation and Instillation Studies of Submicron and Nano Particles – Importance of Characterization of Particles –

Akira Ogami, Department of Occupational Pneumology, Institute of Industrial Ecological Sciences, University of Occupational and Environmental Health

4 Immunological Effects of Asbestos and Decline of Tumor Immunity

Takemi Otsuki, Department of Hygiene, Kawasaki Medical School

Symposia 4 Saturday, 29 March, 16:00–18:00

Current Trend in Toxicology of Chemicals

Chair person: **Yoshito Kumagai**, University of Tsukuba

OVERVIEW**Current Trend in Toxicology of Chemicals**

Yoshito Kumagai, University of Tsukuba

1 Certificated Toxicologists in Japan and United States

Toshihiro Kawamoto, Department of Environmental Health, University of Occupational and Environmental Health

2 Study on Toxicity and Environmental Behavior of Polycyclic Aromatic Hydrocarbons

Kazuichi Hayakawa, Graduate School of Natural Science and Technology, Kanazawa University

3 Oxidative Post-translational Modifications of Proteins by Environmental Nucleophilic Toxins: Detection and Characterization of Covalent Protein Modifications

Takeshi Ishii, Department of Food and Nutritional Sciences, and Global COE Program, University of Shizuoka

4 Effects of Environmental Chemicals on Allergy

Ken-ichiro Inoue, Environmental Health Sciences Division, National Institute for Environmental Studies

5 The Protective Response to Chemicals that are Covalently Bound to Proteins

Yoshito Kumagai, Doctoral Programs in Medical Sciences, Graduate School of Comprehensive Human Sciences, University of Tsukuba

Symposia 5 Saturday, 29 March, 14:00–16:00

Search for Molecular Targets of Environmental Toxicants

Chair persons: **Seiichiro Himeno**, Tokushima Bunri University
Chiharu Tohyama, Tokyo University

OVERVIEW**Search for Molecular Targets of Environmental Toxicants**

Seiichiro Himeno, Tokushima Bunri University

Chiharu Tohyama, Tokyo University

1 Disruption of Thyroid Hormone Action and Its Molecular Mechanisms

Noriyuki Koibuchi, Department of Integrative Physiology, Gunma University Graduate School of Medicine

2 Bone Toxicity Through Dioxin-mediated Disorders of Vitamin D Metabolism and Ca Reabsorption in Mouse Kidney

Noriko Nishimura, National Institute for Environmental Studies/Research Center for Environmental Risk

3 The Ubiquitin-proteasome System Involves Determination of Sensitivity of Cells to Methylmercury Toxicity

Akira Naganuma, Department of Life Science, Tohoku University Graduate School of Pharmaceutical Sciences

4 Disorders of Renal Phosphate Reabsorption and Rickets/Osteomalacia: Relations with Cadmium Metabolism

Ken-ichi Miyamoto, Department of Molecular Nutrition Institution of Health Bioscience, The University of Tokushima Graduate School

Symposia 6 Saturday, 29 March, 16:00–18:00

Formulation of Field Works in Various Areas in Public Health and Hygiene

Chair person: **Akio Koizumi**, Kyoto University

OVERVIEW**Formulation of Field Works in Various Areas in Public Health and Hygiene**

Akio Koizumi, Department of Health and Environmental Sciences, Graduate School of Medicine, Kyoto University

1 Characteristics of Epidemiology in Occupational Setting

Kazuyuki Omae, Department of Preventive Medicine and Public Health, School of Medicine, Keio University

2 The Eihei-ji Temple Study by Making Use of Fukui University Hospital as a Tool

Takayoshi Hirai, Division of Environmental Health Department of International Social and Health Sciences School of Medicine, Fukui University

3 The Importance of the Field study in Environmental Health and Preventive Medicine from Viewpoint of the Investigations by the Food Duplicate Methods

Takao Watanabe, Miyagi University of Education

4 Lessons from Field Work of the Hisayama Study

Yutaka Kiyohara, Department of Environmental Medicine, Graduate School of Medical Sciences, Kyushu University

Symposia 7 Sunday, 30 March, 14:00–16:00

To Support Health in Residents Living in the Area that Encountered Big Earthquake

Chair persons: **Hiroyuki Nanamura**, Kanazawa University
Takahiko Kato, Kumamoto University

OVERVIEW**To Support Health in Residents Living in the Area that Encountered Big Earthquake**

Hiroyuki Nanamura, Department of Environmental and Preventive Medicine, Graduate School of Medical Science, Kanazawa University

Takahiko Kato, Department of Public Health, Graduate School of Public Health, Kumamoto University

1 Psychological and Physical Health and Support for the Elderly Living in Temporary Housing after Noto-Peninsula Earthquake

Yasuhiro Kambayashi, Department of Environmental and Preventive Medicine, Graduate School of Medical Science, Kanazawa University

2 Survey on Health and Life Issue of Residents Living in Their Own Houses after Noto-peninsula Earthquake

Shizuko Omote, Graduate Course of Nursing Science, Graduate School of Medical Science, Kanazawa University

3 Support System for the Perinatal Women: the Case of Noto-Peninsula Earthquake

Yuri Hibino, Department of Environmental and Preventive Medicine, Graduate School of Medical Science, Kanazawa University

4 Support of Niigata Prefecture for Public Health Practice in Niigata Prefecture Chuetsu Earthquake

Osamu Yamazaki, Health Promotion Division, Department of Health and Social Welfare, Niigata Prefectural Government

5 Hanshin-Awaji Earthquake and Stroke

Shigeru Sokejima, Epidemiology and Administrative Policy Section, Department of Public Health Policy, National Institute of Public Health

Symposia 8 Sunday, 30 March, 16:00–18:00

Approach for Prevention of Suicide in Clinical and Occupational Medicine Practices

Chair person: **Mutsuhiro Nakao**, Teikyo University School of Medicine

OVERVIEW**Approach for Prevention of Suicide in Clinical and Occupational Medicine Practices**

Mutsuhiro Nakao, Department of Hygiene and Public Health, Teikyo University School of Medicine

1 Establishment of Strategy for Prevention of Suicide Based on Gender Difference: Analysis of Gender Differences in Self-perceived Symptoms Relating to Suicidal Ideation

Kouichi Yoshimasu, Department of Hygiene, School of Medicine, Wakayama Medical University

2 Prevention of Suicide Utilizing Medical Examination in a Workplace: Significance of Depression Screening Using Self-perceived Symptoms and Self-rating Questionnaires

Takeaki Takeuchi, Department of Hygiene and Public Health, Teikyo University School of Medicine

3 Recognition of Suicide and Education of Its Prevention in Adolescents

Masayo Nakano, Department of Psychology, Graduate School of Human Science, Kawamura Gakuen Woman's University

4 Prevention of Suicide in a Workplace Using Employee Assistance Program (EAP)

Mutsuhiro Nakao, Department of Hygiene and Public Health, Teikyo University School of Medicine

Symposia 9 Sunday, 30 March, 14:00–16:00

New Challenge to Molecular Preventive and Environmental Medicine

Chair persons: **Kouji Matsushima**, The University of Tokyo
Toshihiro Kawamoto, University of Occupational and Environmental Health

1 Role of 8-nitroguanine, a Nitrate DNA Lesion, in Infection-and Inflammation-associated Carcinogenesis

Yusuke Hiraku, Department of Environmental and Molecular Medicine, Mie University Graduate School of Medicine

2 Target Genes of Oxidative Stress-induced Carcinogenesis

Shinya Toyokuni, Department of Pathology and Biology of Diseases, Graduate School of Medicine, Kyoto University

3 Identification of the Genetic and Environmental Factors of the Diseases with Large-scale Gene-trap Mutants Library

Yoshitaka Nobukuni, Department of Human Genetics, Research Institute for Radiation Biology and Medicine, Hiroshima University

4 The Disruption of Cellular Signal Transduction Caused by Covalent Binding of Redox Sensor to Electrophile Contaminated in the Atmosphere

Yoshito Kumagai, Doctoral Programs in Medical Sciences, Graduate School of Comprehensive Human Sciences, University of Tsukuba

Symposia 10 Sunday, 30 March, 16:00–18:00

Cohort Studies on Environment and Children's Health in Japan – Current Status and Further Perspectives and Important Issues

Proponent: **Reiko Kishi**, Hokkaido University
Chair persons: **Katsunori Murata**, Akita University
Tamie Nasu, Nagoya University

OVERVIEW**Cohort Studies on Environment and Children's Health in Japan – Current Status and Further Perspectives and Important Issues –**

Reiko Kishi, Department of Public Health Sciences, Hokkaido University Graduate School of Medicine
Katsunori Murata, Department of Environmental Health Sciences, Akita University School of Medicine
Tamie Nasu, Department of Occupational and Environmental Health, Nagoya University Graduate School of Medicine

1 Tohoku Study of Child Development – Present Status and Future Perspectives –

Kunihiko Nakai, Department of Environmental Health Sciences, Tohoku University Graduate School of Medicine

2 Adverse Birth Outcomes of Maternal Smoking During Pregnancy and Genetic Polymorphisms

Seiko Sasaki, Department of Disease Control and Molecular Epidemiology, School of Dentistry, Health Sciences University of Hokkaido

3 Influence of Environmental Factors on the Neurobehavioral Development of Children When, what and How We Evaluate the Development?

Sonomi Nakajima, Department of Occupational Therapy, School of Health Sciences, Sapporo Medical University

4 Profile and Issues of the Hokkaido Study of Environment and Children's Health

Motoyuki Yuasa, Department of Public Health, Hokkaido University Graduate School of Medicine

5 Approach of Japanese Ministry of the Environment on Environmental Health for Children (For the Protection of Children from Environmental Risks)

Manabu Hasegawa, Environmental Risk Assessment Office, Environmental Health Department, Ministry of Environment

Symposia 11 Monday, 31 March, 14:00–16:00

Health Effects of Airborne Fine Particulate Matter (PM_{2.5})

Chair persons: **Masayuki Shima**, Hyogo College of Medicine
Hiroshi Nitta, National Institute of Environmental Studies

OVERVIEW**Health Effects of Airborne Fine Particulate Matter (PM_{2.5})**

Masayuki Shima, Department of Public Health,
Hyogo College of Medicine

Hiroshi Nitta, Environmental Health Sciences Division,
National Institute of Environmental Studies

1 Toxicology of Fine Particulate Matter in Human and Laboratory Animals

Hirohisa Takano, Environmental Health Sciences Division,
National Institute of Environmental Studies

2 Epidemiological Studies: Effects of Long-Term Exposure to Ambient Particulate Matter

Hiroshi Nitta, Environmental Health Sciences Division,
National Institute of Environmental Studies

3 Epidemiological Studies: Daily Mortality Effects of Short-Term Particulate Matter Exposure

Takashi Omori, Department of Biostatistics,
Kyoto University School of Public Health

4 Epidemiological Studies: Effects of Short-Term Particulate Matter Exposure on Respiratory System

Masayuki Shima, Department of Public Health,
Hyogo College of Medicine

5 Measurement and Evaluation of Personal Exposure to Particulate Matter

Kenji Tamura, Environmental Health Sciences Division,
National Institute of Environmental Studies

Symposia 12 Monday, 31 March, 16:00–18:00

Development of Preventive Therapy for Lipid-linked Diseases Through Analyzing Their Mechanism

Chair persons: Masashi Kato, Chubu University
Naomi Sakashita, Kumamoto University

OVERVIEW**Development of Preventive Therapy for Lipid-linked Diseases Through Analyzing Their Mechanism**

Masashi Kato, Unit of Environmental Health Sciences,
Department of Biomedical Sciences, College of Life
and Health Sciences, Chubu University

Naomi Sakashita, Department of Cell Pathology,
Graduate School Of Medical Sciences, Kumamoto University

1 Control System for Membrane Trafficking Via Process of Ergosterol-mediated Membrane Fusion

Masashi Kato, Unit of Environmental Health Sciences,
Department of Biomedical Sciences, College of Life
and Health Sciences, Chubu University

2 Isolation and Characterization of the Genes Involved in Intra-cellular Cholesterol Transport and Metabolism

Yoshitaka Nobukuni, Department of Human Genetics,
Research Institute for Radiation Biology and Medicine,
Hiroshima University

3 Cardiovascular Disease Related to Acyl-coenzyme A:Cholesterol Acyltransferase (ACAT)

Naomi Sakashita, Department of Cell Pathology,
Graduate School of Medical Sciences, Kumamoto University

4 Niemann-Pick C1 Protein-mediated Lipid Metabolism and Neurodegenerative Diseases

Nobutaka Ohgami, Unit of Environmental Health Sciences,
Department of Biomedical Sciences, College of Life
and Health Sciences, Chubu University

Symposia 13 Monday, 31 March, 14:00–16:00

Perspective of Personalized Medicine and Personalized Health Promotion

Chair persons: Takahiko Katoh, Kumamoto University
Tatsuya Takeshita, Wakayama Medical University

OVERVIEW**Perspective of Personalized Medicine and Personalized Health Promotion**

Takahiko Katoh, Department of Public Health Graduate School
of Medical Sciences, Kumamoto University

Tatsuya Takeshita, Department of Public Health
School of Medicine, Wakayama Medical University

1 Practice of Personalized Medicine: Concern about Genetic Counseling in Pharmacogenomics

Kayoko Saito, Institute of Medical Genetics,
Tokyo Women's Medical University, School of Medicine

2 Study on Issues for Expansion of Genetic Polymorphism Testing Beyond the Medicine, Including Ethical and Social Matters

Fumio Takada, Department of Medical Genetics,
Kitasato University Graduate School of Medical Sciences

3 Prospect for Individualized Health Promotion

Akira Hata, Department of Cell Pathology, Graduate
School of Medical Sciences, Kumamoto University

4 Extrapolation from Experimental Studies Using Human Genetic Polymorphisms Modeling Animals to Tailored Medicine and Prevention

Toshihiro Kawamoto, Department of Environmental Health,
University of Occupational and Environmental Health

Symposia 14 Monday, 31 March, 16:00–18:00

Actual Examples of Methods for Environmental Risk Research

Chair persons: Iwao Uchiyama, Kyoto University
Toshihiro Kawamoto, University of Occupational and
Environmental Health

1 Case Studies of Risk Research in Wildlife

Toru Takahashi, Kumamoto Health Science University

2 Risk Assessment of Environmental Chemicals Using Teleost Fish

Koji Arizono, Department of Environmental and Symbiotic
Sciences, Faculty of Environmental and Symbiotic Sciences,
Prefectural University of Kumamoto

3 Studies on Risk Using Human Samples – Risk assessment of lung cancer using antidotal enzyme profiling in bronchial epithelium –

Tsunehiro Oyama, Department of Environmental Health,
University of Occupational and Environmental Health

Symposia 15 Monday, 31 March, 13:00–15:00

Indoor Air Quality and Countermeasure to Sick Building Syndrome in Japan

Chair persons: **Masatoshi Tanaka**, Fukushima College/
Fukushima Medical University
Reiko Kishi, Hokkaido University Graduate School of Medicine

OVERVIEW

Indoor Air Quality and Countermeasure to Sick Building Syndrome in Japan

Masatoshi Tanaka, Fukushima College/Fukushima Medical University
Reiko Kishi, Hokkaido University, Graduate School of Medicine

1 Dampness and Indoor Air Pollution

Yasuaki Saijo, Department of Health Science,
Asahikawa Medical College

2 The Adverse Effect on Human Health Induced by Indoor Contaminant of Semivolatile Organic Compounds (SVOC)

Ayako Kanazawa, Hokkaido University Graduate School of Medicine

3 Individual Exposure of the Chemical Substance in Indoor Air

Hisao Chikara, Fukuoka Institute of Health and Environmental Sciences

4 Prevention Strategy of Sick Building Syndrome

Kunio Nakayama, Department of Social and Environmental Medicine, Osaka University Graduate School of Medicine

5 The Present Situation of the Sick House Syndrome and Responses – From the Governmental Viewpoint

Tomonori Hasegawa, Department of Social Medicine,
Toho University School of Medicine

Forum Friday, 28 March, 18:00–20:00

School of Public Health in Medical Schools in Japan

Opening greetings: **Reiko Kishi**, Hokkaido University
Chair person: **Fumio Kobayashi**, Aichi Medical University

1 Outlines of School of Public Health, Graduate School of Medicine, Kyoto University

Shinji Kosugi, Kyoto University

2 Mission and Practice of Department of Health Care Administration and Management, Graduate School of Medical Sciences, Kyushu University

Akira Babazono, Kyushu University

3 Outlines of School of Public Health, Graduate School of Medicine, University of Tokyo

Yasuki Kobayashi, The University of Tokyo

DISCUSSANT

Katsuko Kanagawa, Ishikawa Prefectural Nursing University

DISCUSSANT

Masaharu Yamamoto, Niigata University

Final remarks:

Fumihiko Jitsunari, Kagawa University

Oral Session March 29, 2008

9:00–10:00 Air/Indoor air

O-201 Molecular epidemiological study of chemical hypersusceptible population **Takahiko Kato**

O-202 Effects of exposure to nano-sized titanium dioxide particles on atopic dermatitis like skin lesions in NC/Nga mice **Rie Yanagisawa**

O-203 Paradox observed in relation between temperature and mortality – number of deaths and mortality rate **Yasushi Honda**

O-204 Pedestrian exposure to air pollution along a trunk road **Kenji Tamura**

O-205 Effects of airborne particulate matter on peak expiratory flow in asthmatic children **Masayuki Shima**

10:00–11:00 Air/Indoor air

O-206 The approach to the sick-school problem in SAGA ENVIRONMENTAL FORUM (4) **Masayoshi Ichiba**

O-207 The prevalence of Sick House Syndrome in Tokyo Metropolitan **Mika Kigawa**

O-208 A nation wide study on sick building syndrome in Japanese general dwellings: Part 4 – The measurement of indoor Microbial VOCs and their relation to housing environmental factors **Atsuko Araki**

O-209 Indoor contamination with phthalate esters and organophosphate esters in air and dust in residential houses in Sapporo city, and the relation to Sick Building Syndrome **Ayako Kanazawa**

O-210 An experimental study on the generation of 2-ethyl-1-hexanol, one of a indoor air pollutants, by adding di(2-ethylhexyl)phthalate to various types of cement **Eiji Shibata**

11:00–12:00 Lead/Mercury/Organic solvents

O-211 Assessment of fetal exposure to methylmercury in the birth cohort study, Tohoku Study of Child Development **Miyuki Shimada**

O-212 Heavy metals and essential trace elements in maternal blood, cord blood, and placental tissues – Tohoku Study of Child Development – **Satomi Kameo**

O-213 Estimation of Daily Methylmercury Intake in Pregnant Women by Food Frequency Questionnaire **Kozue Sakurai**

O-214 Neurobehavioral changes in mice prenatally co-exposed to mercury vapor and methylmercury **Minoru Yoshida**

O-215 Methylmercury concentration of cord blood, child development and infectious diseases in Tokyo/Sado cohort **Noriyuki Hachiya**

13:00–13:48 Lead/Mercury/Organic solvents

O-216 Fetal exposure to complex mixture of heavy metals which may modify the neurotoxicity of methylmercury in Japanese population **Mineshi Sakamoto**

O-217 Effect of environmental enrichment on the neurobehavioral deficits caused by methylmercury administration during neonatal brain developing period **Mineshi Sakamoto**

O-218 Effect of 1-bromopropane exposure on gene expression of neurotransmitter receptors and exploration of biomarkers for the central nervous system toxicity **Sahabudeen Sheik Mohideen**

O-219 Toxicological study on 1-bromopropane in mice **Fang Liu**

9:00–10:00 Infectious diseases

O-301 Molecular investigation of possibility of patient-to-patient transmission of hepatitis C virus during upper gastrointestinal endoscopy **Takayuki Toda**

O-302 Long-term epidemiological follow-up studies on subjects living in areas of viral hepatitis infection **Yoko Wakayama**

O-303 Analysis on prevalence and genetic characteristics of PVL-positive *Staphylococcus aureus* in Bangladesh **Nobumichi Kobayashi**

O-304 Molecular epidemiologic analysis of group A rotaviruses derived from diarrhea in children and adults in Mymensingh, Bangladesh **Shigeo Nagashima**

O-305 Knowledge, attitude and practice for HIV/AIDS among the residents of Yunnan province in China **Mingji Zhang**

10:00–11:00 Infectious diseases

O-306 Epidemiological study on risk-adjusted infection rates in intensive care units **Machi Suka**

O-307 Evaluation of the control measure for measles outbreak Using System Dynamics model **Daisuke Furushima**

O-308 Effectiveness of influenza vaccine among preschool children in 2006/07 season **Hideaki Hatayama**

O-309 Investigation of the *Giardia lamblia* infection rate using whole gut lavage fluid **Atsuko Kawano**

O-310 Analysis of the effectiveness of control strategies against bioterrorist smallpox attacks by using Individual Based Model **Tomohiro Zenihana**

11:00–12:12 Cadmium/Other metals

O-311 Acute kinetic of serum cadmium and ionized fluoride after single intravascular dose of cadmium fluoride **Tomotaro Dote**

O-312 Comparison of cadmium nitrate with cadmium fluoride about acute hepatotoxicity by biochemical and patho-histological ways **Emi Yamadori**

O-313 Genotoxic effect of indium compound (Part 1) **Yuji Suzuki**

O-314 Interstitial lung changes of Indium **Makiko Nakano**

O-315 Alveolar epithelial cell injury by Fe ion in the components of airborne particulate matter **Yasuo Takano**

O-316 Oxidative DNA damage and lung injury of intratracheal administered cerium oxide and yttrium oxide in the rats **Ayako Takata**

13:00–13:48 Cadmium/Other metals

O-317 Intake of dietary arsenic by the fishery workers, and urinary arsenic levels **Keiko Chiba**

O-318 Fluoride exposure and accelerated bone resorption in Inner Mongolian women (1): a study on urinary fluoride and index of bone resorption **Tetsuo Shimamura**

O-319 Quantitative analysis of 13 trace elements in urine and stress markers in urine and saliva under various ecological conditions in Asia **Hana Shimizu**

O-320 The search of lead pollutant in Edo Era by the analysis of concentrations of lead in excavated bones **Yukari Kakinuma**

March 30, 2008

13:00–13:48 Biological monitoring/Biomarker

O-220 A comparison of urinary 3-phenoxybenzoic acid between pest control operators and general populations **Akiko Kimata**

O-221 Fetal Exposure Assessment of Chemicals by the Analysis of Maternal Urine **Yayoi Suzuki**

O-222 Human exposure assessment of parabens using urinary metabolites as a biomarker **Ryo Koga**

O-223 Quantitating cholesterol metabolites in serum and urine as a biomarker for liver injury using MALDI-TOF mass spectrometry **Takashi Shimada**

13:00–13:48 Malignant neoplasms

O-321 Baicalein induces death receptor 5 expression and sensitizes cancer cells to TRAIL-induced apoptosis **Hiroya Taniguchi**

O-322 Usefulness of an oxidative stress marker, 8-oxo-7,8-dihydro-2'-deoxyguanosine in patients with *Opisthorchis viverrini* infection and cholangiocarcinoma **Mariko Murata**

O-323 Diallyl trisulfide induced M-phase arrest and caspase-independent apoptosis through the generation of reactive oxygen species in p53-mutant human colon cancer HT-29 cells **Yoshihiro Sowa**

O-324 Ecological Study of Solar Radiation and Breast Cancer Mortality in Japan **Nobuhisa Yamaguchi**

13:00–13:48 Exogenous endocrine disruptors/Silicon/Asbestos/Other hazardous chemicals

O-401 The association of perinatal exposure to environmentally persistent pollutants with child development, Tohoku Study of Child Development **Kunihiko Nakai**

O-402 Methylation status of the CYP1A1 genomic DNA in the mouse liver is altered by dioxin exposure during fetal stage **Seiichiroh Ohsako**

O-403 Effects of maternal exposure to dioxins on fetal development **Kenji Tawara**

O-404 Bone toxicity and disruption of 25-hydroxyvitamin D3 and calcium metabolism by dioxin in the developing mouse **Noriko Nishimura**

13:48–14:24 Exogenous endocrine disruptors/Silicon/Asbestos/Other hazardous chemicals

O-405 Effects of perinatal combined exposure to 1,4-dichlorobenzene and DDE on rat female reproductive system **Yuji Makita**

O-406 Association between urinary cadmium concentration and endometriosis in infertile Japanese women: a case-control study **Hiroaki Itoh**

O-407 Effects of triphenyltin on the glucose-induced NADPH shuttle-dependent insulin secretion in hamster pancreatic islet cells **Yoshikazu Miura**

- 14:24–15:24 Exogenous endocrine disruptors/Silicon/Asbestos/
Other hazardous chemicals
- O-408 Indoor environmental criteria for asbestos in foreign countries
Kenichi Azuma
- O-409 A study on future predictions of mesothelioma risk in Japan
Tomoya Myojin
- O-410 In vitro and in vivo toxicity of heat-treated crocidolites
Akiko Furuyama
- O-411 Gene Expression Profiling in Human Polyclonal T Cell Line, MT-2, after Exposure to Asbestos using DNA Microarrays
Megumi Maeda
- O-412 Decreased expression of NKp46 on peripheral blood NK cells exposed to asbestos in vitro and impaired phosphorylation of ERK in the asbestos-exposed NK cell line of YT-CB5
Yasumitsu Nishimura
- 15:24–16:24 Exogenous endocrine disruptors/Silicon/Asbestos/
Other hazardous chemicals
- O-413 Examination of the expression of Fas molecule and apoptosis in CD4⁺25⁺ fraction from silicosis patients **Hiroaki Hayashi**
- O-414 Carbon nanotubes injure the plasma membrane of macrophages **Seishiro Hirano**
- O-415 Effects of environmental chemicals on splenocytes in mice in vitro **Eiko Koike**
- O-416 Formaldehyde exposure in food suppressed enterobacteria and induced harmful effect for mucosal immune response
Yoshihiko Nakagi
- O-417 Biological monitoring index of exposure to formaldehyde and effectiveness of protective devices worn during anatomy lab course
Satoko Iwasawa
- 16:24–17:00 Exogenous endocrine disruptors/Silicon/Asbestos/
Other hazardous chemicals
- O-418 The changes of serum parameters after intravenous injection of hydrofluoric acid **Masafumi Imanishi**
- O-419 A study on mechanism of liver dysfunction induced perfluorooctanic acid (PFOA) **Mutsuko Minata**
- O-420 Strain differences of developmental toxicities caused by PFOS (Perfluorooctane sulfonate) in mice **Saho Era**
- 17:00–17:36 Exogenous endocrine disruptors/Silicon/Asbestos/
Other hazardous chemicals
- O-421 A risk of the aflatoxin inhalation of the longshoreman
Shinzo Kimura
- O-422 The evaluation of neurotoxicity of an artificial dura mater, poly-L-lactides containing dibutyltin or octyl acid tin by the prepulse inhibition test and an open field test **Masashi Tsunoda**
- O-423 Chemoprevention for the hepatotoxicity of microcystin-LR from bloom-forming cyanobacteria **Masaharu Komatsu**
- 17:36–18:12 Mental health/Community health/Statistics
- O-424 The effect of Social capital to Subjective health status and Mental HealthA snowball survey with ecometric scale by citizen's club activity in suburban city **Hidefumi Oga**
- O-425 Factors associated with preferences for health system goals in Japan **Koji Wada**
- O-426 Seasonal variation of sex ratio at birth in Japan
Mihoko Takahashi
- 9:00–10:00 Diabetes/Liver diseases/Cardiovascular diseases/
Others
- O-101 Predictive values of anthropometric measurements for visceral obesity and metabolic syndrome in educational intervention
Kuninori Shiwaku
- O-102 A study on sustained reduction of lifestyle intervention for patients with impaired glucose tolerance **Hirohisa Imai**
- O-103 Distribution of the blood polyamine concentrations and its correlation with the metabolic risk factors in healthy adult men
Kanami Yamamoto
- O-104 Association of alcohol dehydrogenase 2 and aldehyde dehydrogenase 2 genotypes with fasting plasma glucose levels in Japanese male and female workers **Miwako Dakeishi**
- O-105 Prevalence of COPD in medical check-up participants
Hisamitsu Omori
- 10:00–10:48 Diabetes/Liver diseases/Cardiovascular diseases/
Others
- O-106 Establishment and analysis of the new mouse model for congenital cardiac disease using Cre-LoxP system **Ichiro Yajima**
- O-107 A study on intracellular cholesterol transport and metabolism – in considering the approaches to preventive medicine –
Yoshitaka Nobukuni
- O-108 A study on mechanism of hyperphagia shown in Akita mice-approaching from sexual dimorphism **Michi Hirose**
- O-109 Adaptations of Glucose metabolism in hypertrophied heart of carnitine-deficient JVS mice **Masahisa Horiuchi**
- March 31, 2008**
- 9:00–9:48 Nutrition/Food hygiene
- O-224 An in vitro model of dietary restriction: Induction of stress-related gene expression by short-term fasting **Hirao Kohno**
- O-225 Effects of excessive zinc intake on systemic blood pressure and renalblood flow **Hiroyuki Yanagisawa**
- O-226 Relationship between serum copper concentration and nutritional factors in aged patients with cerebrovascular disease
Shoji Nishiyama
- O-227 Safety and efficacy of dihydroepiandrosterone as an anti-aging supplement. (2) **Kimiko Izumo**
- 9:48–10:24 Nutrition/Food hygiene
- O-228 An epidemiological examination of antiallergenic effect of pickles of Sunki – traditional fermented leaves of red turnips at Kiso area in Nagano **Yoko Tsuda**
- O-229 Nutrient intake of kidergartners in Japan Korea and China
Haruo Nakatsuka

O-230 Dietary intakes of trace elements for children by total food duplicate method in China, Korea and Japan (3) Arsenic and selenium
Takao Watanabe

10:24–11:12 Fatigue/Industrial health

O-231 A relaxation effect by a forest bathing trip **Maiko Kobayashi**

O-232 Light and depression **Taijirou Enatu**

O-233 Effects of two repetitive modified Stroop color-word tasks on cerebral hemodynamic response: an analysis of inter-individual variability using time-resolved spectroscopy **Tadashi Niioka**

O-234 Effects of educational intervention on trunk and lower extremity joint angles and muscle activities during patient-handling task **Toru Akebi**

13:00–13:24 International health

O-235 Water quality of the Mekong and Problem of Public Health in the rural area locating suburb of the Vientiane Lao PDR
Yutaka Midorikawa

O-236 A study on the source of drinking water and changes of the pattern for water utility of the rural area in Laos **Satoshi Nakamura**

13:24–14:00 Bone metabolism/Others

O-237 Disorders of renal phosphate reabsorption and rickets/osteomalacia: Relations with cadmium metabolism
Ken-Chi Miyamoto

O-238 Influence of the long-term sake intake on bone – in case of spayed rats **Tsunehiko Imai**

O-239 TAK1 MAPKKK is essential for osteoclastogenesis by inducing ERK-dependent c-Fos expression **Noriyuki Uemura**

9:00–9:36 Health promotion/Fitness/Exercise

O-325 Relaxing effect of forest bathing trip at an old Japanese cedar forest in Chizu town, Tottori prefecture **Qing Li**

O-326 Oxidative stress in rat adipose tissue is decreased by exercise training **Takuya Sakurai**

O-327 Association Between Serum Vitamin C level and Physical Performance among Japanese Community-Dwelling Elderly Women
Kyoko Saito

9:36–10:12 Health promotion/Fitness/Exercise

O-328 Relationship between perceived exertion and affect during imposed intensity exercise **Naoyuki Kurokawa**

O-329 Modulation of gene expression by habitual exercise
Chihana Yonezawa

O-330 The study on variation per hour of oxidative stress and competence of antioxidation by exercise tolerance
Masahito Aminaka

10:12–11:48 Maternal and child health

O-331 The present situation and problem of parenting household
Sanae Sakaguchi

O-332 A health view of women's university students – the results of the questionnaire on physical figures and eating habit
Atsuko Shinohara

O-333 An examination on the relationship between various facilities and the total fertility rate of each prefecture **Hiroko Suketomo**

15:00–15:36 Health care of the elderly

O-334 Effects of Self Assessment of Occupational Balance (SAOB) for the elderly with risk of dementia: An intervention study on Preventive Home Visit in rural areas in Hokkaido, Japan
Noriko Hisano

O-335 Effects of visiting with “Self Assessment of Occupational Balance (SAOB)” to frail elderly people: An intervention study on Preventive Home Visits in rural areas in Hokkaido, Japan
Tamiko Ikeno

O-336 Is thoracic kyphosis a good marker of frailty in the elderly?
Yuji Nishiwaki

15:36–16:12 Health care of the elderly

O-337 Development of concept-mapping procedure to reflect lifestyle using haptic glance for elderly people **Masaki Moriyama**

O-338 Psychological problems in Japanese Elder Care-Analysis of Press Reports from 2000 to 2007 **Kazuko Hiyoshi**

O-339 A cross-sectional study on environment factor of age-related macular degeneration **Takehiro Michikawa**

16:12–16:48 Intractable diseases/Genetics/Immunology

O-340 Proteomics analysis of the hippocampus and substantia nigra of the monkey exposed to oxidative stress associated with ischemia/reperfusion **Hatasu Kobayashi**

O-341 Impaired function of NOD1 associated with susceptibility to Sarcoidosis **Tsuyoshi Tanabe**

O-342 Establishment and analysis of new white spotting model mouse
Mayuko Kumasaka

16:48–17:24 Intractable diseases/Genetics/Immunology

O-343 Preventive program of atherosclerosis including the aspect of eNOS T-786C polymorphism in the occupational health **Aya Tahara**

O-344 CETP TaqIB polymorphism and endothelium-derived nitric oxide concentration **Takaaki Kondo**

O-345 Follow up of familial IA **Hirokuni Hashikata**

17:24–18:00 Intractable diseases/Genetics/Immunology

O-346 Epigenetic change in muscle tissues by environmental stress
Takeo Kubota

O-347 Concordance of CAP-RAST responses for food and indoor allergens between sibling pairs with atopic dermatitis **Mayumi Tsuji**

O-348 Analysis of biological effects of oxygen on a strict anaerobe
Shota Takumi

Poster Session March 29, 2008

14:00–14:40 Environmental physiology/Physical environments/Lead/Mercury/Infectious diseases/Others

PIA-01 Adsorption removal of indigo carmine by activated carbon produced from coffee grounds **Takeo Nakamura**

PIA-02 A study on the Seasonal variation of microorganisms of air conditioners in the year in a nursing home **Yukio Innami**

PIA-03 Diurnal variation of baroreflex function and cerebral blood velocity to heat stress **Ken Aoki**

PIA-04 A relationship between joint pain and difference of climate in Japan – from long-term weather data and national investigation data – **Kimihiko Tokumori**

14:40–15:20 Environmental physiology/Physical environments/
Lead/Mercury/Infectious diseases/Others

PIA-05 A study on heat disorder in hot summer 2007 **Masaji Ono**

PIA-06 Mutagenic activity of electromagnetic fields (6th report) – Comet assay for detecting DNA damage – **Yuichi Miyakoshi**

PIA-07 Concentration of Hair Mercury of Chinese People Live in Coastal Cities **Aki Ryu**

PIA-08 Inhibition of vascular endothelial cell proliferation by lead and its possible mechanism **Yasuyuki Fujiwara**

15:20–15:50 Environmental physiology/Physical environments/
Lead/Mercury/Infectious diseases/Others

PIA-09 Suppression of emergence of drug resistant bacteria: Involvement of environmental factors in induction of drug resistant bacteria **Makiko Nishie**

PIA-10 The Association between Lifestyle and Helicobacter pylori Infection **Masashi Matsuzaka**

PIA-11 RESIN SALVE FROM NORWAY SPRUCE (PICEA ABIES [L.] KARST.) **Saranpää Pekka**

14:00–14:50 Cadmium 1

PIA-12 Serial changes in urinary cadmium concentrations and degree of renal tubular injury after soil replacement in cadmium-polluted rice paddies – Estimation by using a general linear mixed model – **Etsuko Kobayashi**

PIA-13 Mortality and cadmium in rice among the inhabitants living in the polluted Jinzu River basin in Toyama **Muneko Nishijo**

PIA-14 Estimation of benchmark dose as the threshold levels of urinary cadmium, based on excretion of beta₂-microglobulin in cadmium polluted and non-polluted regions in Japan **Mirei Dochi**

PIA-15 Cadmium induces the excessive accumulation of p53 protein in normal rat kidney epithelial cells: Possible involvement of ubiquitin-proteasome pathway **Maki Tokumoto**

PIA-16 The effect of cadmium exposure on renal function and bone density of residents in the cadmium polluted Jinzu River basin in Toyama Prefecture, and the cases of cadmium nephropathy with decreased bone density and renal anemia **Hyogo Horiguchi**

14:00–15:00 Other metals

PIA-17 Concentrations of major-to-trace elements in human hair **Rumiko Hayashi**

PIA-18 Comparison of uranium induced renal damage between young and adult rats **Shino Homma-Takeda**

PIA-19 Simultaneous Determination of the D- and L-Selenomethionine by GC-MS-SIM **Takehisa Matsukawa**

PIA-20 Vasodilatation of sodium selenite in normotensive rats **Emi Amano**

PIA-21 Seasonal and between-day differences of urinary trace elements and metals among adults and children in a rural community of West Java, Indonesia **Emilie Matsumoto**

PIA-22 Study on the spontaneous activity and brain neurotransmitters of old metallothionein null mice and the effect of zinc deficiency **Toshihiro Itoh**

14:00–14:40 Nutrition/Food hygiene

PIA-23 A study of a bacteriological safety of cream puff Part 1 **Kiyoaki Satsuta**

PIA-24 A study of bacteriological safety of kushi-dango Part 2 **Kiyoaki Satsuta**

PIA-25 Study of attack rate of foodborne disease in nursery school **Hiroko Hasunuma**

PIA-26 Effect of polyphenol-containing azuki beans extract on blood pressure and endothelial nitric oxide synthase expression in the aorta and kidney in spontaneously hypertensive rats **Shin Sato**

14:40–15:30 Nutrition/Food hygiene

PIA-27 Effect of (6)-gingerol on hemo dynamics in rats **Arisa Takagi**

PIA-28 Administration of capsaicin lowers blood pressure via vanilloid receptor1 in rats **Yuko Nakai**

PIA-29 Effects of zinc, vitamin E and/or vitamin C on blood pressure of 2-kidney,1-clip hypertensive (2K1C) rats **Hiroko Hashimoto**

PIA-30 Adsorption of Trp-P-1 by cellulose at various pH **Hiroko Ishii**

PIA-31 MATSUTAKE - FROM THE FINNISH FORESTS TO THE JAPANESE MARKET **Sarjala Tytti**

14:00–14:50 Maternal and child health

PIA-32 Maternal serum folate levels, smoking and alcohol habits during pregnancy and infant size at 10 months of age **Fumihiko Sata**

PIA-33 About consort's smoking custom in the pregnant woman and the relation to the premature rupture of membrane **Fumio Osaka**

PIA-34 Reliability of self-reported cigarette smoking status among pregnant women – The Hokkaido study on environment and children's health (2) – **Ami Watanabe**

PIA-35 Monitoring and Risk of Congenital Anomalies in Prospective Cohort Study – the Hokkaido Study on Environment and Children's Health (1) – **Susumu Ban**

PIA-36 ASSOCIATION BETWEEN FOLIC ACID SUPPLEMENTATION, SERUM FOLATE STATUS, 5,10 MTHFR GENE POLYMORPHISMS AND BIRTH WEIGHT – the Hokkaido Study on Environment and Children's Health (3) – **Thamar Ayo Yila**

14:50–15:40 Maternal and child health

PIA-37 Relations among life experiences, ADHD tendency and frontal lobe function in kindergartener **Masako Shimura**

P1A-38 Relationship between living habits and change of living rhythm in nursery school children **Keiko Nasu**

P1A-39 Tibial cortical bone properties of preadolescents and their mothers in an urban area associated with lifestyle: A longitudinal study **Tomoko Inose**

P1A-40 Development of a microquantification method of phenylketonuria by using protein chip technique **Shinjiro Tachibana**

P1A-41 A study on novel treatment of perinatal brain injury using neural stem cells **Michiru Ida**

14:00–14:50 Cardiovascular diseases/Diabetes/Others

P1A-42 Epidemiological study on the relationship between BMI and glucose tolerance in Shimane **Yasuyuki Fujita**

P1A-43 Health behaviors of adults and their spouses who have been found to have a hyperglycemia **Sumiko Yamamoto**

P1A-44 Influence of smoking to lower urinary tract symptoms (LUTS) **Toshiaki Tanaka**

P1A-45 Induction of decorin synthesis by adiponectin in cultured vascular smooth muscle cells **Chika Yamamoto**

P1A-46 Resting blood pressure and heart rate as risk factors for type-2 diabetes mellitus **Teruo Nagaya**

14:50–15:40 Cardiovascular diseases/Diabetes/Others

P1A-47 A cross-sectional study on the metabolic syndrome considering gene polymorphisms related to atherosclerosis in Japanese workers **Takuji Kishimoto**

P1A-48 Relationships between Subjective Health Status and Health Action **Umi Kudou**

P1A-49 Relationship between physical activity and marker of arteriosclerosis at middle-aged and older **Yuko Amamiya**

P1A-50 Effects of Low Glycemic Index diet on prevention of metabolic syndrome and type 2 diabetes mellitus in Mice **Masayuki Yamasaki**

P1A-51 The relationship between history of diseases and carotid atherosclerosis **Yasuhiko Wada**

14:00–14:40 Health promotion/Fitness/Exercise/
Health education/Smoking

P1B-01 Gender Differences in Corresponding by Overtraining in Judoists **Makoto Yaegaki**

P1B-02 Effects of 2 hours training on neutrophil immune function and serum antioxidant levels in the professional soccer players **Kiyonori Yamai**

P1B-03 The influence of carrying out the different trainings for two hours on the muscle tissues and neutrophil functions in athletes **Takashi Umeda**

P1B-04 The importance of nature to Finns and the relationship of the use of green areas on perceived health and restorative experiences **Tyrväinen Liisa**

14:40–15:30 Health promotion/Fitness/Exercise/
Health education/Smoking

P1B-05 A study on the eating habits among female students **Takehiro Sakaguchi**

P1B-06 A study on skipping breakfast and related lifestyle among co-medical male students **Midori Nishiyama**

P1B-07 Exposure of nicotine and cotinine to the infants through the breastmilk feeding **Miyako Tanabe**

P1B-08 A survey on road smoking in A city **Fumiaki Suzuki**

P1B-09 Change in awareness of waste reduction as observed among female nursing college students **Keiichi Tanno**

14:00–14:50 Health care/Fatigue/Industrial health/
mental health/Stress

P1B-10 Monitoring of acute intermittent porphyria by erythrocyte porphobilinogen deaminase activity **Kan Usuda**

P1B-11 Research on health-related factors led by complete physical checkups in middle-aged women **Kanae Karita**

P1B-12 Effect of GABA and L-Tryptophan on plasma leptin level **Ami Higashihara**

P1B-13 Activities of administrative dietitians in occupational health care **Mayumi Atake**

P1B-14 Factors affecting mobile phone dependence tendency among female college students **Satoko Ezoe**

14:50–15:40 Health care/Fatigue/Industrial health/
mental health/Stress

P1B-15 Development of a health appraisal chart to prevent stress-related diseases at workplace **Akizumi Tsutsumi**

P1B-16 Emotional responses to music under stressful conditions by using optical topography **Miyuki Tamura**

P1B-17 Maternal mental stress during pregnancy and childhood attention-deficit/hyperactivity disorder **Kouichi Yoshimasu**

P1B-18 Stress-reducing effects of stock walking in the small group of general population **Haruo Sugiura**

P1B-19 Relation factors of elderly persons' depressive condition in underpopulated mountainous area **Reiko Hatakeyama**

March 31, 2008

9:00–9:40 Air/Water/Others

P2A-01 Survey about indoor air quality of new houses **Masatoshi Tanaka**

P2A-02 Prevention of Ill-health Effects of Stress and Lifestyle (Part 43) Nationwide Epidemiological survey of Sick Building Syndrome **Kunio Nakayama**

P2A-03 Construction and the possibility of atmospheric diffusion model of lead compounds over East Asia **Eisuke Nakamura**

P2A-04 Survey of airborne fluorotelomer alcohols in Japan **Sayoko Oono**

9:40–10:20 Air/Water/Others

P2A-05 Hepatic damage induced by diesel exhausted nano particle and its mechanism **Yumi Hayashi**

P2A-06 Effects of diesel exhaust gas mainly including nano scale of particles on aorta **Yuki Ito**

P2A-07 Nano-size Diesel Exhaust Particles Disrupt Testosterone Biosynthesis in Rat Testis **Donihikmat Ramdhan**

P2A-08 Effects of diesel exhaust gas mainly including nano scale of particles on metabolism via AhR **Yukie Yanagiba**

9:00–9:40 Exogenous endocrine disruptors/Silicon/Asbestos/
Biological monitoring

P2A-09 Effects of dioxin on vitamin D metabolism and bone mineralization in the mouse **Noriko Nishimura**

P2A-10 Associations of environmental exposure to dioxins with hypertension, hyperlipidemia, thyroid disease and allergic rhinitis among general inhabitants in Japan **Hirokazu Uemura**

P2A-11 Characteristic effect of phytoestrogens on cell growth and apoptosis in estrogen receptor positive breast cancer cells **Takako Sakamoto**

P2A-12 Mechanism for the effect of tributyltin to MC3T3-E1 osteoblast-like cells **Keiichi Ikeda**

9:40–10:30 Exogenous endocrine disruptors/Silicon/Asbestos/
Biological monitoring

P2A-13 The number and length of refractory ceramic fiber after the 2.0 mg of intratracheal administration **Mayuko Hosokawa**

P2A-14 Alteration of NF- κ B expression in a human polyclonal T cell line, MT-2, after acquisition of resistance to asbestos **Shuko Murakami**

P2A-15 Study on relationship between cancer and minerals (II): Mineralome analysis in cancer patients **Hiroshi Yasuda**

P2A-16 Studies of hair-formation under the influences of environmental stresses by using ex vivo hair-formation system **Machiko Iida**

P2A-17 Establishment of highly sensitive analytical method of urinary 3-methyl-4-nitrophenol, a specific metabolite of fenitrothion, using gas chromatography-mass spectrometry **Ai Okamura**

9:00–9:50 Organic solvents/Hazardous chemicals

P2A-18 Study on reproductive toxicity of trans-permethrin and cis-permethrin to male mouse **Shu-Yun Zhang**

P2A-19 Evaluation of the effects on sperm of 1-bromopropane by use of mitochondrial metabolism in rat **Katsumi Ohtani**

P2A-20 Effects of bile drainage on toxicokinetics of perfluorinated chemicals **Kouji Harada**

P2A-21 Estimation of dietary intake of perfluorochemicals **Junichi Takeda**

P2A-22 Analysis of Fluorotelomer alcohols (FTOHs) in water and precipitation using GC-MS **Manal Mahmoud**

9:50–10:30 Organic solvents/Hazardous chemicals

P2A-23 MAP kinases are involved in tributyltin-mediated cytotoxicities in rainbow trout RTG-2 cells **Noriko Urushibara**

P2A-24 In vitro Toxicity Evaluation of Diesel Exhaust Particles on Human Eosinophilic Cell **Ryoji Hirota**

P2A-25 A study on antigenicity of phthalic anhydride-protein complex **To Isse**

P2A-26 Effects of diethyl phthalate and Stevia rebaudiana on apoptosis induced by serum deprivation in PC12 cells **Kumiko Takahashi**

9:00–10:00 Malignant neoplasms/Intractable diseases

P2A-27 Comparative study on the prognosis of multiple primary cancers and single primary cancer by survival analysis **Mikizo Okamoto**

P2A-28 About Comprehensive Cancer Control Program in USA **Hiroyuki Nakao**

P2A-29 Reduction of spontaneous mutagenesis in mismatch repair deficient human colorectal cancer cell lines by lycopene **Kanae Mure**

P2A-30 Allopurinol Enhances TRAIL-induced Apoptosis through DR5 Up-regulation mediated by the inhibition of Xanthine Oxidase in Human Prostate Cancer Cells **Tahashi Yasuda**

P2A-31 Chemopreventive effects of selenium in a transgenic mouse model of melanoma **Osamu Yamanoshita**

P2A-32 The feature of aplastic anemia using clinical data of patients with intractable disease receiving financial aid for treatment **Naoki Shimada**

9:00–9:50 Health care of the elderly/Bone metabolism

P2A-33 Sense of well-being among regional senior citizen and relevant factors **Sonomi Hattori**

P2A-34 Nutritional, oral, and physical predictors for the certification of long-term care need among community-dwelling elderly **Miki Watanabe**

P2A-35 A study on the pick-up service in day service facility for the elderly based on geographic distribution of users **Kazuyuki Takahashi**

P2A-36 Association between metabolic syndrome and lifestyle among urban elderly in China **Meihua Wang**

P2A-37 Relationship between Lifelong learning activities and mental and physical health in elderly people at Tohoku local **Makoto Miyamoto**

9:50–10:40 Health care of the elderly/Bone metabolism

P2A-38 Effects of the resistance training intervention on both balance and selected motor functions of the elderly **Yoshito Momose**

P2A-39 A study on prognostic factors of myocardial infarction **Mikiko Yasuoka**

P2A-40 Effects of genistein on skeletal development in zebrafish embryos **Shigeko Fushimi**

P2A-41 The life-style of high school students living in New Zealand – from the point of view of the prevention of osteoporosis – **Nobuko Hagiwara**

P2A-42 Correlation between bone mineral density and body composition in Japanese females aged 18–40 years with low forearm bone mineral density **Misao Arimatsu**

9:00–10:00 Cadmium 2

P2A-43 The trial of estimation of tolerable daily cadmium intake based on the data of animal experiment **Hisayoshi Ohta**

P2A-44 Tissue-specific expression of glutathione S-transferase isozymes in mice given cadmium chloride **Seiichiro Himeno**

P2A-45 Cadmium induces the phosphorylation of STATs at Ser727 **Junko Nakagawa**

P2A-46 Alteration of gene expression and effects on human bodies in cadmium-exposed subjects **Satoru Dakeshita**

P2A-47 Cadmium, Selenium, Beta 2-microglobulin and N-acetyl-beta-D-glucosaminase (NAG) in the urine of Thai population living in a Cd-polluted area **Tai Pham The**

P2A-48 Renal tubular injury and bone marker among inhabitants living in a cadmium polluted area in Thailand **Kowit Nambunmee**

9:00–9:40 Genetics/Immunology

P2B-01 Longevity-associated mitochondrial DNA 5178 C/A polymorphism modulates the effects of coffee consumption on reduced risk of impaired glucose tolerance in middle-aged Japanese men **Akatsuki Kokaze**

P2B-02 Roadmap for Moyamoya disease gene hunt **Toshiaki Hitomi**

P2B-03 Autosomal dominant moyamoya disease maps to chromosome 17q25.3 **Wanyang Liu**

P2B-04 Mutation analysis on endoglin gene of a sporadic Osler-Rendu-Weber disease patient **Sumiko Inoue**

9:40–10:20 Genetics/Immunology

P2B-05 Influence of the airway inflammatory responses induced by low-dose diesel exhaust particle exposure in Nrf2 knockout mice **Yingji Li**

P2B-06 Inhibition of arginase I by anti-IL-13 monoclonal antibody attenuated Df-induced-asthma-like responses in NC/Nga mice **Carmen Kurosawa**

P2B-07 A basic study on health effect of ALDH2 gene polymorphism **Akiko Matsumoto**

P2B-08 Chromatin structure around the escape gene on human inactive X-chromosome **Yuji Goto**

9:00–10:00 Community health/Medical economics/Bioethics/Statistics

P2B-09 A study on Attitudes towards the “Code of Conduct for Scientists” for the Councilor of Japanese Society for Hygiene **Wakaha Ikeda**

P2B-10 Problems in the statistical and analytical method used in the papers reported the clinical results of lipid lowering drugs **Masato Hayashi**

P2B-11 Interrelationship of health and lifestyle-related factors **Shichen Zhang**

P2B-12 Productivity of cancer specialty hospitals **Tomohiro Hirao**

P2B-13 Comparison of income indicators in relation to smoking and self-rated health **Yoshiharu Fukuda**

P2B-14 Examination of regional movement of malignant growth mortality rate and life in style **Ayako Ito**

9:00–9:50 International health

P2B-15 An epidemiological study on human health effects by dioxin in Vietnam (10th report) Comparison of nutritional status in the herbicides sprayed and non sprayed areas **Kae Saito**

P2B-16 An epidemiological study on health effects by dioxin in Vietnam (11th report) – Relationship between eyesight and biochemical index such as blood vitamin B – **Hiroyuki Suzuki**

P2B-17 Bacterial quality of stored drinking water of boat households in Hue, Vietnam **Kaoruko Seino**

P2B-18 Research on incidence and risk factors of lifestyle-related diseases in Lao PDR **Kaoru Midorikawa**

P2B-19 Introduction and exposure to chemicals associated with subsistence transition in Asian rural communities: ENVRERA study **Chiho Watanabe**

9:50–10:20 Others

P2B-20 Mechanisms of protective effect of rutin on spatial memory impairment induced by trimethyltin in rats **Tomoko Koda**

P2B-21 ADL deteriorations after the natural disasters among rheumatoid arthritis patients **Jun Tomio**

P2B-22 Repressor effects of perilla tea on developing diabetes **Hisashi Kishi**