

## Annual Meeting

### The 3rd Annual Meeting of JSIT

1996.9.25-26.

Kamijo Auditorium, Showa University (Tokyo)

President: Yukio KUROIWA (School of Pharmaceutical Sciences, Showa University)

#### Special Lecture <1>

Immunopathological aspects of chemical and drug toxicities and risk assessment

Joseph G. Vos

National Institute of Public Health and the Environment (RIVM)

#### Special Lecture <2>

Mucosal Immune System and Immunotoxicology.

H. Nagura

Department of Pathology, Tohoku University School of Medicine.

#### Special Lecture <3>

Safety evaluation of biotechnology products, including immunotoxicityA

Joy A. Cavagnaro

Center for Biologics Evaluation and Research U. S. Food and Drug Administration

#### Mini-symposium

Cytokine Production by Human Airway Epithelial Cells - Effects of Air - Pollutants.

Takayuki Ohtoshi

Dept. of Medicine and Physical Therapy, Faculty of Medicine, University of Tokyo

Risk assessment of man - made mineral fibers using RT- PCR

T.Tsuda(1),Y.Morimoto(1), H.Nakamura(1), H. Hori(2),H.Yamato(1), S. Ishimatsu(2), T.Oyabu(1), AFujino(1), J.Nambu(2), T.Higashi(1), I.Tanaka(1)

(1)Institute of Industrial Ecological Sciences, (2)University of Occupational Environmental Health, Japan.

#### Workshop

Collaborative Immunotoxicological Study by Fourteen - day Oral Administration of Cyclophosphamide - Organ weight and Histopathology -

Y. Okamoto(1), Y.Kawachi(2), S. Kono(3), A. Ozaki(4), K. Amano(5), R. Suzuki(6), D.Nakatsuka(7), K. Taguchi(7), K. Nagami(8), K. Yuasa(9), D. Nagai(10), K. Nakamura(11)

(1)Toray, (2)Taiho, (3)Bristol - Myers Squibb, (4), Otsuka, (5)Kowa, (6), Nippon Glaxo, (7)Nippon Hoechst Marion Roussel, (8)Banyu, (9)Tanabe, (10)Nihon Kayaku, (11)Shionogi

Collaborative Immunotoxicological Study by Fourteen - day Oral Administration of Cyclophosphamide - Spleen Cellularity and Flow Cytometry -

K. Nakamura(1), Y. Kouchi(2), A. Ozaki(3), H. Tsutsui(4), R. Suzuki(5), S. Kawano(6), Y. Amano(7), D. Nakatsuka(8),K. Nagami(9), H. Yuasa(10), D.Nagai(11)

(1)Shionogi, (2)Taiho, (3)Otsuka, (4)Mitsubishi Chemical, (5)Nippon Glaxo, (6)Bristol - Myers Squibb, (7)Kowa, (8)Nippon Hoechst Marion Roussel,

		(9)Banyu, (10)Tanabe, (11)Nippon Kayaku
Collaborative Immunotoxicological Study by Fourteen - day Oral Administration of Cyclophos - phamide - Evaluation of Humoral Immune Response by Enzyme - linked Immunosorbent Assay -	S. Kawano(1), A. Ozaki(2), D. Nakatsuka(3), K. Nakamura(4), T.Masuda(5), D. Nagai(6), M. Hayakawa(7)	(1)Bristol - Myers Squibb, (2)Otsuka Pharmaceutical, (3)Nippon Hoechst Marion Roussel, (4)Shionogi, (5)Lederle(Japan), (6)Nippon Kayaku, (7)Mitsui Pharmaceutical
Collaborative Immunotoxicological Study by Fourteen - day Oral Administration of Cyclophosphamide - Natural Killer Activity -	N. Tsutsui(1), K. Nakamura(2), Y. Kouchi(3), K. Nagami(4)	(1)Mitsubishi Chemical, (2)Shionogi, (3)Taiho Pharmaceutical, (4)Banyu
General Presentation Quantitative Evaluation of Passive Cutaneous Anaphylaxis (PCA) Using A Hand - held Spectrophotometer.	H. Akiyama(1), R. Teshima(2), R. Akasaka(2), Y. Goda(1), J. Sawada(2),M. Toyoda.	(1)Div. of Foods (2)Div. of Biochemistry and Immunochemistry, National Institute of Health Sciences.
A prediction of chemical - induced immunogenicity using popliteal lymph node assay.	Y. Kouchi, Y. Maeda, A. Ohuchida.	Drug Safety ResearchLaboratory, Taiho
Studies on Isolation of Carrier Protein in Primary Cultured Rat Hepatocytes.	A.Toda(1), Y. Hisanari(1), Y. Masuda(1), H. Shigematsu(1), R.Eyanagi(2)	(1)Dept. of Hygienic Chemistry, Daiichi College of Pharmaceutical Sciences. (2)Daiichi University - College of Technology.
Effects of low concentration of formaldehyde on experimentally induced type I and IV allergy in mice.	T. Yoshida(1), T. Hagino(1) F. Kayama(2),	(1) Dept. of Environmental Health,Tokai University School of Medicine. (2)Dept. of Environmental Health, Jichi Medical University.
The increase of histamine release from rat mast cells with several pesticides.	K. Ikeda, M. Taguchi, T. Sato, H. Nagase, H. Kito, M. Niikawa.	Dept. of Public Health, Gifu Phamaceutical University
Effects of some antioxidants on calcium signals, degranulation and LTC4 release of RBL-2H3 cells.	R. Akasaka(1), R. Teshima(1), S. Kitajima(2), J. Momma(2), T. Inoue(2), J. Sawada(2)	(1)Div. of Biochemistry and Immunochemistry (2)Div. of Toxicology, National Institute of Health Sciences
Induction of oral immunity and blockade of oral tolerance by diesel exhaust particles.	S.Yoshino(1),M.Sagai(2)	(1)Dept. of Microbiology, Saga Medical School (2)Research Team for Health Effects of Air Polutions, Nat. Inst. for Environmental Studies

Immunotoxicity on the Humoral Immune Response to Thymus-independent Antigen.	M. Nagata, S. Kimura, A. Watanabe, M. Takeuchi, K. Nakamura.	Developmental Research Laboratories, Shionogi & Co., Ltd.
Immunotoxicity tests in rats, Comparison of rat strain F344 with SD.	J. Kai(1), M. Shimada(2), H. Imade(1), J. Sonoda(1), Y. Sugihara(1), T. Mikami(1)	(1)Dept. of Drug Safety Research, Eisai Co., Ltd. (2)Kawashima Co., Ltd.
Morphological Evaluation of Cell Kinetics in the Lymphoid Organs Using Labeling Indices of BrdU and TUNEL.	K. Toyoda, T. Shoda, C. Uneyama, K. Takada, M. Takahashi.	Division of Pathology, National Institute of Health Sciences.
Establishment of Granulocyte Colony Formation Assay using SD Rat Bone Marrow Cells.	K. Matsumura, A. Ozaki,	Tokushima Research Institute, Otsuka Pharmaceutical Co., Ltd.
Evaluation of immunotoxicity tests using Dex. and CysA.	M. Inoue, R. Nagatahira, K. Motizuki, Y. Ito, J. Yoshida, K. Saitoh	Safety Research Laboratories Kaken Pharmaceutical Co., Ltd.
Effects of Interleukin - 12 on Normal and Tumor - bearing Mice.	T. Inoue, K. Shimura, H. Suzuki, I. Horii.	Dept. Toxicology and Pathology, Nippon Roche Research Center.
Immunological insignificance of fenitrothion in mice and rats.	T. Kunimatsu, Y. Kamitani, N. Isobe, Y. Okuno, H. Kawasaki.	Sumitomo Chemical Co., Ltd., Environmental Health Science Laboratory.
Evaluation of In Vitro Toxicity of 50 MEIC Compounds on Human Natural Killer Cell Function.	Y. Kobayashi	Lab. Of Molecular Immunology, Faculty of Science, Toho University.
Effects of ethanol and acetaldehyde on Natural killer cell activity.	C. Inoue, T. Takeuchi, T. Takeshita, K. Morimoto.	Department of Hygiene and Preventive Medicine, Osaka University School of Medicine
Cadmium Induces Apoptosis in Immune System.	M. Ishido, H. Fujimaki.	National Institute for Environmental Studies.
Role of Proinflammatory Cytokines in Rat Experimental Hepatitis Induced by Endotoxins in vitro.	K. Ueno, H. Shinohara, A. Kobayashi, K. Chiba.	Lab. of Biochem. Pharmacol. & Biotoxicol., Faculty of Pharmaceutical Sciences, Chiba University
Application of precision - cut kidney slice culture as a model of kidney immunotoxicological evaluation.	F. Kayama(1), K. Nakatsuka(1), T. Yoshida(2),	(1)Dept. Environ. Health, Jichi Med.School., (2)Dept. Environ. Health, Tokai Univ. Sch. Med.