

Annual Meeting

The 2nd Annual Meeting of JSIT

1995.9.29.

Kamijo Auditorium, Showa University (Tokyo)

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

Special Lecture

Immunotoxicological evaluation
of chemicals and therapeutics:
an update perspective

Michael I. Luster

Environmental Immunology
& Neurobiology Section
National Institute of
Environmental Health
Sciences/NIH, NC

Workshop

Collaborative immunotoxicity
study by seven-day oral
administration of
cyclophosphamide -
hematological, blood chemical
and pathological investigation -

Y. Nomoto(1),K.
Taguchi(2),Y.
Sugihara(3),Y.
Amano(4),K.
Nakamura(5),Y.
Kouchi(6),H.
Nakamura(7),T.
Masuda(8),S.
Kawano(9),S.
Inoue(10),K.
Hayakawa(11),N.
Tsutsui(12)

(1)Kyorin Pharmaceutical,
(2)Marion Merrell Dow,
(3)Eisai, (4)Kowa,
(5)Shionogi, (6)Taiho
Pharmaceutical, (7)Takeda
Chemical Industries,
(8)Lederle (Japan),
(9)Bristol-Myers Squibb,
(10)Hoechst Japan,
(11)Mitsui Pharmaceutical,
(12)Mitsubishi
Pharmaceutic

Collaborative
immunotoxicological study by
seven-day oral administration
of cyclophosphamide -
cellularity, flow cytometric
analysis, mitogenic stimulation
assay -

H. Nakamura(1),S.
Inoue(2),Y.
Sugihara(3), T.
Masuda(4),Y.
Kouchi(5),K.
Nakamura(6)

(1)Takeda Chemical
Industries, (2)Hoechst
Japan, (3)Eisai, (4)Lederle
(Japan),(5)Taiho
Pharmaceutical,
(6)Shionogi

Collaborative
immunotoxicological study by
seven-day oral administration
of cyclophosphamide -
evaluation of humoral immune
response by plaque-forming
cell assay and enzyme-linked
immunosorbent assay-

K. Nakamura(1),S.
Kawano(2),S.
Inoue(3),Y.
Sugihara(4),T.
Masuda(5),Y.
Kouchi(6),M.
Hayakawa(7)

(1)Shionogi, (2)Bristol-
Myers Squibb, (3)Hoechst
Japan, (4)Eisai, (5)Lederle
(Japan), (6)Taiho
Pharmaceutical,(7)Mitsui
Pharmaceutical

Collaborative immunotoxicity
study by seven-day oral
administration of
cyclophosphamide - natural
killer activity, macrophage
phagocytosis, colony-forming
unit granulocyte/macrophage -

Y. Kouchi(1),M.
Hayakawa(2),Y.
Sugihara(3),N.
Tsutsui(4)

(1)Taiho Pharmaceutical,
(2)Mitsui, (3)Eisai,
(4)Mitsubishi Chemical

Mini-symposium

Assessment of lymphocyte subpopulations in workers exposed to hazardous substances	T. Tanigawa,S. Araki,A. Nakata	Department of Public Health, Faculty of Medicine, University of Tokyo
Immunotoxicity of low dose formaldehyde exposure	T. Yoshida	Department of Environmental Health, Tokai University School of Medicine
Role of proinflammatory cytokines in cadmium-induced hepatic and renal toxicity	F. Kayama(1),M. I. Luster(2)	(1)Dept. of Environ Health, UOEH, (2)NIH/NIEHS
general Presentation		
Study on the method for predicting drug-allergy	H. Shionoya,Y. Nonogaki,F. Sagami	Dept. of Drug Safety Research, Eisai Co. Ltd.
Antigenicity of metabolic intermediates in aminopyrine allergy	H. Shigematsu(1),Y. Hisanari(1),A. Toda(1),R. Eyanagi(2)	(1)Dept. of Hygienic Chemistry, Daiichi College of Pharmaceutical Sciences, (2)Daiichi University-College of Technology
Pseudoallergy system using rat basophilic leukemia cell: phorbol ester potentiated a microsomal Ca ²⁺ ATPase inhibitor to release histamine	S. Kitajima(1),J. Momma(1),M. Tsuda(1),Y. Kurokawa(1),R. Teshima(2),J. Sawada(2)	(1)Div. of Toxicology(2) Div. of Biochemistry and Immunochemistry, National Institute of Health Sciences
Determination of the optimum conditions in the enzyme-linked immunosorbent assay of antibody to sheep red blood cells	M. Nagata,K. Nakamura	Developmental Research Laboratories Shionogi & Co., Ltd.
Comparison of ELISA and plaque forming cell assays for measuring anti SRBC antibodies	M. Miyamoto,H. Hattori,F. Yamaguchi,H. Ohno,M. Nomura	Daiichi Parmaceutical Co., Ltd., Developmental Research Laboratories, Drug Safety Research Center
Improvement of histological examinations for the detection of immunotoxicity using biological parameters of cell proliferation and cell death	K. Toyoda,T. Shoda,C. Uneyama,K. Takada,M. Takahashi	Division of Pathology, National Institute of Health Sciences
Histopathological study on lymphoid tissue atrophy in rats treated with piperonyl butoxide	K. Takegawa,H. Onodera,K. Mitsumori,T. Shimo,K. Yasuhara,M. Takahashi	Division of Pathology, National Institute of Health Sciences
Immunotoxicological evaluation of dexamethasone in mice infected with Plasmodium chabaudi	N. Tsutsui(1)(2),T. Kamiyama(1)	(1)NIH of Japan, (2)Mitsubishi Chemical Corporation
Influence of HMG-CoA reductase inhibitors on plaque-forming cell (PFC) response in mice	T. Kimura(1),K. Shinkai(1),H. Masuda(1),T. Komai(2),K. Nomoto(3)	(1)Laboratory Animal Science and Toxicology Laboratories, (2)Pharmacology and Molecular Biology Research

		Laboratories, Sankyo Co., Ltd., (3)Medical Institute of Bioregulation, Kyushu University
Effects of quinolone antibacterial agents on humoral immune response in mice	H. Hattori,M. Miyamoto,F. Yamaguchi,H. Ohno,M. Nomura	Drug Safety Research Center, Developmental Research Laboratories, Daiichi Pharmaceutical Co., Ltd.
Effects of cytotoxic agents on peripheral lymphocyte and neutrophil nuclei	K. Nagami,Y. Kawashima,T. Akima,K. Motegi,Y. Ban,K. Samura,H. Matsumoto	Development Research Laboratories, Banyu Pharmaceutical Co., Ltd.
Comparison of in vitro colony formation of bone marrow cells between C57BL/6 mice and SD rats	K. Matsumura,A. Ozaki	Tokushima Research Institute, Otsuka Pharmaceutical Company
Toxic effects of 5-fluorouracil to the hematopoietic progenitor cells in mouse bone marrow	Y. Maeda,Y. Kouchi,A. Ohuchida	Drug Safety Research Laboratory, Taiho Pharmaceutical Co., Ltd.
Evaluation of in vitro toxicity of 32 MEIC compounds on human natural killer cell function	Y. Kobayashi	Lab.of Molecular Immunology, Faculty of Science, Toho University
Immunodeficiency by organotin-induced thymus atrophy and its tolerance manifestation	J. Murata(1),Y. Arakawa(1),H. Nakashima(2)	(1)Dept. of Hygiene and Preventive Medicine, Faculty of Healty Sciences, University of Shizuoka, (2) Osaka Prefectural Institute of Public Health
Changes of cell functions in murine macrophages and T cells by lead compounds	K. Takagi,M. Kanematsu,T. Kawabe,Y. Suketa	Dept of Environmental Biochemistry, School of Pharmaceutical Science, University of Shizuoka
Protective activity on experimental hepatitides and suppression of cytokine production by bisbenzylisoquinoline alkaloids	F. Takano,K. Konno,S. Fushiya,Y. Kondo,Y. Yamazoe,H. Hojo	Faculty of Pharmaceutical Sciences, Tohoku University
Tolerance to transpulmonary neutrophil infiltration and some problems in evaluation of pulmonary toxicity	S. Hirano	Regional Environ. Div., Natl. Inst. Environ. Studies