

Annual Meeting

The 12th Annual Meeting of JSIT

September 20-21, 2005, Tokyo Japan

President: Motoyasu Ohsawa (Faculty of Pharmaceutical Sciences, Teikyo University)

Keynote Lecture

Immunotoxicology Research 2005 - A perspective to integrated understanding of immunotoxicities.	Motoyasu Ohsawa	Dept. of Health Sciences, Faculty of Pharmaceutical Sciences, Teikyo University, Sagamiko, Kanagawa, Japan
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Special Lecture 1

Immunotoxicology of therapeutics associated with allergy and autoimmunity	Raymond Pieters	Institute for Risk Assessment Sciences (IRAS)- Immunotoxicology Utrecht University, The Netherland
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Special Lecture 2

Prevention System of Occupational and Environmental Allergy and Immunotoxicology	Kanehisa Morimoto(1), Kunio Nakayama(1), Atsushi Ueda(2)	(1)Department of Social and Environmental Medicine, Osaka University Graduate School of Medicine, (2)Department of Preventive and Environmental Medicine, Graduate School of Medical and Pharmaceutical Sciences, Kumamoto University, Japan
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Symposium <1>

Nanoparticle and Immune System	Organizer	Hidekazu Fujimaki	National Institute for Environmental Studies, Tsukuba, Japan
		Masatoshi Bessho	Tokyo University of Pharmacy and Life Sciences, Tokyo, Japan

Trends of nanoparticle studies on health effect	Tskahiro Kobayashi	National Institute for Environmental Studies Division of Environmental Health Sciences, Tsukuba, Japan
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Effect of particulate matters on immune system and oxidative stress	Eiko Koike	PM2.5 and DEP Research Project, National Institute for Environmental Studies, Tsukuba, Japan
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Application of liposomes for intracellular drug delivery	Kazuo Maruyama	Teikyo University Faculty of Pharmaceutical sciences, Tokyo, Japan
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Encephalomyocarditis virus infection and immune system	Kunio Doi	Graduate School of agriculture and Life Sciences/Faculty of
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Agriculture, The University of
Tokyo, Tokyo, Japan

Symposium <2>

In Vitro Immunotoxicology	Organizer	Takemi Otsuki	Department of Hygiene, Kawasaki Medical School, Kurashiki, Japan
		Fuminori Otsuka	Dept. of Health Sciences, Faculty of Pharmaceutical Sciences, Teikyo University, Tokyo, Japan
Cross-talk between interleukin-4/13 signals and dioxin		Kenji Izuhara, Sachiko Kanaji, Go Tanaka	Department of Biomolecular Sciences, Saga Medical School, Saga, Japan
Effect of asbestos on human immunocompetent cells		Takemi Otsuki(1), Yoshie Miura(1), Yasumitsu Nishimura(1), Fuminori Hyodoh (1), Hironobu Katsuyama(2), Masafumi Tomita(3)	(1)Department of Hygiene, (2)Department of Public Health, (3)Department of Medical Toxicology, Kawasaki Medical School, Kurashiki, Japan
In vitro skin sensitization test using THP-1 cells (human monocytic leukemia cell line)			
I . Optimization of protocol and a validation study between two laboratories		Hitoshi Sakaguchi(1), Takao Ashikaga(2)	(1)Kao Corporation, Safety and Microbial Control Research Center, (2)Shiseido Co., Ltd., Safety and Analytical Research Center
II . Study on dose- response relationships of CD86/CD54 expression		Takao Ashikaga(1), Hitoshi Sakaguchi(2)	(1) Shiseido Co., Ltd., Safety and Analytical Research Center, (2) Kao Corporation, Safety and Microbial Control Research Center
Chemokine release from mast cells by environmental chemicals and biomarkers of mast cell activation		Reiko Teshima, Ryosuke Nakamura, Jun-ichi Sawada	Division of Biochemistry and Immunochemistry, National Institute of Health Sciences, Tokyo, Japan
Workshop			
Nobel Immunotoxicity	Organizer	Jun-ichi Sawada	Div. Biochem. Immunochem., Nat1. Inst. Health Sci., Tokyo, Japan
		Kazuichi Nakamura	Developmental Research Laboratories, Shionogi & Co., Ltd., Osaka, Japan
Clinical immunotoxicology of biomedicine -- anti- Rrheumatic drugs		Shiro Ueda	Drug Information and Communication, Faculty of Pharmaceutical Sciences, Chiba University, Chiba, Japan
Application of toxicogenomics for		Keiko Nohara	Environmental Health Sciences Division, National

evaluation of immunotoxicity of environmental pollutants		Institute for Environmental Studies, Tsukuba, Japan
Biological parameters useful for evaluation of chemical sensitivity	Setsuyta Aiba	Department of Dermatology, Tohoku University Graduate School of Medicine, Sendai, Japan.
Bioinformatics and allergenicity prediction for food safety- Construction of a novel allergen database ADFS-	Ryosuke Nakamura, Reiko Teshima, Kayoko Takagi, Jun-ichi Sawada	Div. Biochem. Immunochem., Nat1. Inst. Health Sci., Tokyo, Japan
General Oral Presentation		
Immunotoxicity Evaluation in Rat Repeat Dose Toxicity Study of Cyclosporin	Ai Minakawa, Hiroshi Watanabe, Toshiyuki Tsuchiya, Keiji Samura, Masaru Nishikibe	Tsukuba Safety Assessment Laboratories, Banyu Pharmaceutical Co., Ltd., Tsukuba, Japan
Immunotoxicity Evaluation in Rat Repeat Dose Toxicity Study of Prednisolone	Hiroshi Watanabe, Ai Minakawa, Toshiyuki Tsuchiya, Keiji Samura, Masaru Nishikibe	Tsukuba Safety Assessment Laboratories, Banyu Pharmaceutical Co., Ltd., Tsukuba, Japan
A case of immunotoxicological evaluation for investigational new drugs	Naohisa Tsutsui Hiroyuki Harada Tetsuya Sakairi	Toxicology Laboratory, Research and Development Division, Mitsubishi Pharma Corporation, Chiba, Japan
Murine Food Allergy Model with Oral Sensitization and Oral Challenge(4)	Tomoko Shindo(1), Yukiko Kanazawa(1), Mami Furuya(1), Yoshiyuki Tazura(1), Kohichi Kojima(1) Reiko Teshima(2)	(1)Hatano Research Institute, Food and Drug Safety Center, Kanagawa, Japan, (2)National Institute of Health Sciences, Tokyo, Japan
17 β -Estradiol enhances expression of pro-inflammatory cytokines at inflamed area of contact hypersensitivity	Humitoshi Sakazaki, Masahiro Fujiyama, Kazunori Fujii, Hitoshi Ueno, Katsuhiko Nakamuro	Division of Environmental Health, Faculty of Pharmaceutical Sciences, Setsunan University, Osaka, Japan
The prolonged survival and the long-lasting production of TGF- β 1 in the alveolar macrophages induced by the low exposure to asbestos	Yasumitsu Nishimura(1), Tamako Nishiike-Wada(2), Yasuhiko Wada(3), Yoshie Miura(1)(4), Takemi Otsuki(1), Tomohide Hosokawa(4) Hiroshi Iguchi(3)	(1)Dept of Hygiene, Kawasaki Medical School, Kurashiki, Japan (2)Dept of Life-Design, Ottemae College, Itami, Japan (3)Dept of Environmental and Preventive Medicine, Hyogo College of Medicine, Nishinomiya, Japan (4)Dept of Life Science, Kyoto University of Education, Kyoto, Japan
Human arsenite-induced macrophages(As-Mp)are strongly activated by microbial products	Teruaki Sakurai(1), Norifumi Tomita(2), Yukie Hariya(2), Ayumu Mizukami(2), Seiichiro Himeno(1)	(1)Department of Medical Pharmacy, Faculty of Pharmaceutical Sciences, Tokushima Bunri University, Tokushima, Japan (2)School of Life Science, Tokyo

		University of Pharmacy and Life Science, Tokyo, Japan
The evaluation of the safety of pigments and synthetic resins contained pigments using murine macrophage cell line	Masashi Tsunoda, Kyoko Itoh, Yoko Inoue, Takeo Miki, Yuichiro Kudo, Toshihiko Satoh, Yoshiharu Aizawa	Department of Preventive Medicine and Public Health, Kitasato University School of Medicine, Sagamihara, Japan
Organophosphate pesticides affect the intracellular activation signal in mitogen-stimulated human blood lymphocytes	Maki Ikeda(1), Satoshi Kawakami(1), Takehiro Kadowaki(1), Motoharu Sakaue(2), Ryosuke Nakamura(2), Masako Kiyono(2), Kou Sakabe (2)(3)	(1)School of Allied Health Sciences, (2) School of Pharmaceutical Sciences, Kitasato University, (3)The Kitasato Institute
General Poster Presentation		
The immunotoxic effects of tributyltin on non-specific biodefense systems in fish using flow cytometry	Ayako Nakayama(1), Takako Tanigawa(1), Yuko Kurokawa(1), Toshiaki Miyadai(2), Tadahisa Seikai(2), Shin-ichiro Kawai(1)	(1)Department of Environmental Science, Faculty of Human Sciences, Kobe College, Hyogo, Japan (2)Department of Marine Bioscience, Faculty of Biotechnology, Fukui Prefectural University, Fukui, Japan
Effect of intranasal instillation of nanoparticle carbon black on neuro-immune response in mice	Tin-Tin-Win-Shwe	National Institute for Environmental Studies, Environmental Health Sciences Division, Tsukuba, Japan
Effect of scratching behavior and Astressin: CRH1/CRH2 receptor antagonist on TH2 cytokine production in spleen CD4+T cell.	Nobuhiro Goi et al	University of Shizuoka., Shizuoka, Japan
Expression of NKT Cell in Bone Marrow from Patients with Rheumatoid Arthritis	Kana Ogura(1), Masahiko Suzuki(2), Etsuko Negishi(1), Hideshige Moriya(2), Koichi Ueno(1)	(1)Department of Geriatric Pharmacology and Therapeutics, Graduate School of Pharmaceutical Sciences, Chiba University, Chiba, Japan (2)Department of Orthopedic Surgery, Graduate School of Medical Sciences, Chiba University, Chiba, Japan
Comparison of data obtained with in vitro skin sensitization test used THP-1 cell line and non-RI local lymph node assay	Hideki Miyaura, Masahiro Takeyoshi	Chemicals Evaluation and Research Institute, Japan.
Study on the immunotoxicity of	Chie Yashiro(1), Kazuo Kobayashi-Hattori(1),	(1)Faculty of Applied Bioscience, Tokyo University

mycotoxin in F1 generation	Toshichika Takita(1), Yoshiko Sugita-Konishi(2)	of Agriculture, Tokyo, Japan (2)Division of Microbiology, National Institute of Health Sciences
Disruption of Mineral homeostasis and apoptosis	Takao Kuriyama(1), Ken-ichi Tomiyama(1), Moritoshi Nihira(1), Tomomi Jyoho(1), Takayuki Takeuchi(2), Yukihiro Nakano(2), Harunobu Nakashima(3), Yoshikazu Matsuda(4), Yasuaki Arakawa(1)	(1)Department of Hygiene & Preventive Medicine, Faculty of Health Sciences, The University of Shizuoka, Shizuoka, Japan (2)Research Reactor Institute, Kyoto University (3)Osaka Prefectural Institute of Public Health, (4)Central Research Institute, Japan Clinic Co., Ltd.
Inhibitory effect of Bacillus thuringiensis toxin-containing insecticide on induction of oral tolerance	Kouya Yamaki, Shin Yoshino	Department of Pharmacology, Kobe Pharmaceutical University, Kobe, Japan
Alternation of Bcl-2 expression in a human polyclonal T cell line, MT-2, after acquisition of resistance to asbestos	Yoshie Miura(1), Yasumitsu Nishimura(1), Hironobu Katsuyama(2), Kozo Kuribayashi(3), Takashi Nakano(3), Takumi Kishimoto(4), Fuminori Hyodoh(1), Takemi Otsuki(1)	(1)Dept. of Hygiene, (2)Dept. of Public Health, Kawasaki Medical School, Kurashiki, Japan (3)Dept. of Respiratory Medicine, Hyogo College of Medicine, Nishinomiya, Japan (4)Okayama Rosai Hospital, Okayama, Japan
Organic extract of diesel exhaust particles stimulates Ia and B7 molecules in rat alveolar macrophages and peripheral blood monocytes.	Hajime Aoyagi(1), Eiko Koike(2), Takahiro Kobayashi(3)	(1)Master's Program in Biosystem Studies, University of Tsukuba, (2)PM2.5 and DEP Research Project, National Institute for Environmental Studies, Tsukuba, Japan (3)Environmental Health Science Division, National Institute for Environmental Studies, Tsukuba, Japan
Study for immune cell-specific changes in gene expression by dioxins	Haruko Nagai(1)(2), Tomohiro Ito(1), Chiharu Tohyama(3), Masato Kubo(4), Ryo Abe(2), Keiko Nohara(1)	(1)Environmental Health Sciences Division, National Institute for Environmental Studies, Tsukuba, Japan (2)Research Institute for Biological Sciences, Science University of Tokyo, (3)Center for Disease Biology and Integrative Medicine, Graduate School of Medicine, University of Tokyo (4)Riken Research Center for Allergy and Immunology, Riken

Trends in
Immunotoxicology
Research in USA

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