Annual Meeting

The 19th Annual Meeting of JSIT

Special Lecture 1			
Overview and Application of the WHO/IPCS Harmonized Guidance for Immunotoxicity: Risk Assessment for Chemicals	Henk van Loveren	Maastricht University, National Institute of Public Health and the Environment, The Netherlands	
Special Lecture 2			
New with old in immunotoxicological research What has been and what shall be in our Society of Immunotoxicology	Motoyasu Ohsawa	Hatano Research Institute, Food and Drug Safety Center, Hadano, Japan.	
Master's Lecture 1			
Molecular mechanism of fatigue and relationship between immunotoxicology and fatigue	Kazuhiro Kondo	Department of Virology, The Jikei University School of Medicine	
Master's Lecture 2			
Pathological linkage of metabolic disease and autoimmunity by Apoptosis Inhibitor of Macrophage (AIM)	Toru Miyazaki	Laboratory of Mlecular Biomedicine for Pathogenesis, Center for Disease Biology and Integrative Medicine, Faculty of Medicine, The University of Tokyo, Tokyo, Japan	
Awards Lectures < JSIT RES	ARCH AWARD >		
Study on the aggravation mechanism of allergy induced by environmental chemicals	Eiko Koike	Center for Environmental Health Sciences, National Institute for Environmental Studies, Tsukuba, Japan	
Awards Lectures < JSIT RES	Awards Lectures <jsit award="" resarch=""> (Sympojium)</jsit>		
Immunological analysis of asbestos-exposed people for identification of new diagnostic markers	OYasumitsu Nishimura (1), Naoko Kumagai-Takei (1), Hidenori Matsuzaki(1), Suni Lee (1), Megumi Maeda (2), Takumi Kishimoto(3), Takemi Otsuki(1)	(1)Department of Hygiene, Kawasaki Medical School, Kurashiki, Japan , (2)Laboratory of Functional Glycobiochemistry, Department of Biofunctional Chemistry, Graduate School of Environmental and Life Science, Okayama University, Okayama,	

		Japan , (3)Okayama Rosai Hospital, Okayama, Japan
Symposium "Progress in r	esearch for immunotoxicology	"
Topics of research on sick house syndrome, with special reference to an immunotoxicological aspect	Kou Sakabe	Department of human structure and function, Tokai University School of Medicine, Kanagawa, Japan
Advances in gut immunity to gastrointestinal nematode infections	Kenji Ishiwata	Department of Tropical Medicine, The Jikei University School of Medicine, Tokyo, Japan
Workshop "In vitro immun	otoxicology"	
Current Trend on In Vitro Immunotoxicology in EU	Emanuela Corsini	Laboratory of Toxicology, Dipartimento di Scienze Farmacologiche e Biomolecolari, Faculty of Pharmacy, Università degli Studi di Milano, Milan, Italy
Development and application of an in vitro skin sensitization test named h-CLAT based on alteration of dendritic cell surface markers expression	Hitoshi Sakaguchi	Safety Science Reserach Laboratories, Kao Corporation, Tochigi, Japan
Study on safety assessment for sensitization using alternative methods	Taro Ashikaga	Research Center, Shiseido Co., Ltd., Kanagawa, Japan
Development of assay system for immunotoxicity using cytokine reporter cells (Multi-ImmunoTox assay)	Setsuya Aiba	Department of Dermatology, Tohoku University Graduate School of Medicine, Sendai, Japan
Irradiation of light emitting diode at 850 nm inhibits T cell-induced cytokine expression	Kyung Ah Cheong, Chang- hyun Kim, Yun-Seok Choi, O Ai-Young Lee	Department of Dermatology, Dongguk University Ilsan Hospital, South Korea
Oral Presentations		
Effects of intratracheal exposure to phthalates in an allergic asthma	ORie Yanagisawa(1), Eiko Koike(1), Tin Tin Win Shwe(1), Takamichi Ichinose(2), Hiroshi Takano(3)	(1)Center for Environmental Health Sciences, National Institute for Environmental Studies, Japan, (2)Department of Health Sciences, Oita University of Nursing and Health Sciences, Notsuharu, Oita, Japan, (3)Graduate School of Engineering, Kyoto University, Kyoto, Japan

		(1)Center for
Expression of neuroimmune biomarkers in hypothalamus of allergic mice after early phthalate exposure	○Tin Tin Win Shwe(1), Rie Yanagisawa(1), eiko Koike(1), Hiroshi Nitta(1), Hirohisa Takano(2)	(1)Center for Environmental Health Sciences, National Institute for Environmental Studies, Tsukuba, Japan, (2)Department of Environmental Engineering, Graduate School of Engineering, Kyoto University, Kyoto, Japan
Analysis of serum IgE from patients sensitized to acid-hydrolyzed wheat protein in facial soap	Rika Nakamura(1), ORyosuke Nakamura(1), Shinobu Sakai(1), Reiko Adachi(1), Yasuharu Itagaki(2), Yuma Fukutomi(3), Reiko Teshima(1)	(1)Div. Novel Foods Immunochem., Natl. Inst. Health Sci., Tokyo, Japan, (2)Dept. Health Nutr., Hokkaido Bunkyo Univ., Hokkaido, Japan, (3)Clin. Res. Ctr. Allergy Rheumatol., Sagamihara Natl. Hosp., Kanagawa, Japan
Size-dependent effect of amorphous silica nanoparticles on atopic dermatitis	OYasuo Yoshioka(1), Toshiro Hirai(1), Shin-ichi Tsunoda(2),(3), Hiromi Nabeshi(4), Tomoaki Yoshikawa, Yasuo Tsutsumi(1),(2),(3)	(1)Laboratory of Toxicology and Safety Science, Graduate School of Pharmaceutical Sciences, Osaka University, Osaka, Japan, (2)Laboratory of Biopharmaceutical Research, National Institute of Biomedical Innovation, Osaka, Japan, (3)MEI center, Osaka University, Osaka, Japan, (4)National Institute of Health Science, Tokyo, Japan
Applicability of CBA/J mice to the Local Lymph Node Assay: BrdU-ELISA.	○Toshio Kobayashi(1), Junichi Kikuchi(1), YasuhiroTsubokura(1), Masanori Taruki(2), Syozo Ajimi(1), Masahiro Takeyoshi (3)	(1)CERI Hita, Chemicals Evaluation and Research Institute, Japan , (2)CERI Kurume , Chemicals Evaluation and Research Institute, Japan. , (3)Chemicals Assessment and Research Center, Chemicals Evaluation and Research Institute, Japan.
Sensitization study by qualitative structure-toxicity relationships (QSTR) approaches	OKazuhiro Sato, Yukinori Kusaka	Department of Environmental Health, School of Medicine, University of Fukui, Fukui, Japan
Effects of AhR agonists on IL-17 and IL-22 gene	○Hiroyuki Kojima(1), Ryuta Muromoto(2), Miki	(1)Hokkaido Institute of Public Health, Sapporo,

expressions in mouse T lymphoma EL4 cells	Takahashi(2), Shinji Takeuchi(1), Tadashi Matsuda(2)	Japan , (2)Graduate School of Pharmaceutical Sciences, Hokkaido University, Sapporo, Japan
Effects of inorganic arsenite on the signal pathway evoked by ATP exposure	ODaigo Sumi, Hideta Okada, Kuniko Yogi, Hideki Miyataka, Seiichiro Himeno	Faculty of Pharmaceutical Sciences, Tokushima Bunri University, Tokushima, Japan
Continuous exposure of asbestos accelerates cell cycle progression in MT-2 Cell	OSuni Lee(1), Hidenori Matsuzaki(1), Megumi Maeda(2), Naoko Kumagai- Takei(1), Yasumitsu Nishimura(1), Takemi Otsuki(1)	(1)Department of Hygiene, Kawasaki Medical School, Kurashiki, Japan, (2)Lab. Functional Glycobiochemistry, Dept. Biofunctional Chemistry, Graduate School of Environmental and Life Science, Okayama Univ., Okayama, Japan
Molecular mechanisms of alteration of MT-2 cells induced by long term exposure to asbestos.	OHidenori Matsuzaki(1), Suni Lee(1), Megumi Maeda(2), Naoko Kumagai- Takei(1), Yasumitsu Nishimura(1), Takemi Otsuki(1)	(1)Department of Hygiene, Kawasaki Medical School, Kurashiki, Japan , (2)Division of Bioscience, Graduate School of Natural Science and Technology, Okayama University, Okayama, Japan
Functional analysis of CD8+ lymphocytes in patients with pleural plaque or malignant mesothelioma	ONaoko Kumagai-Takei, Yasumitsu Nishimura, Hidenori Matsuzaki, Suni Lee, Takemi Otsuki	Department of Hygiene, Kawasaki Medical School, Kurashiki, Japan
Alteration of cellular characterization caused by continuous exposure of crocidolite or chrysotile on human T cell line	Megumi Maeda(1), OTakemi Otsuki(2), Hidenori Matsuzaki(2), Suni Lee(2), Naoko Takei(2), Yasumitsu Nishimura(2)	(1)Lab. Funct. Glycobiochem. Dept. Biofunct. Chem., Div. Agricult. Life Science, Graduate School of Environmental and Life Science, Okayama University, Okayama, Japan , (2)Department of Hygiene, Kawasaki Medical School, Kurashiki, Japan
Commercially available drink-induced anaphylaxis: analyzed using basophil activation test (BAT) and histamine release test	OMasao Yamaguchi(1), Yusuke Tanaka(1), Yuko Nakase(1), Naoya Sugimoto(1), Takako Toda(1), Yasuhiro Kojima(1), Asae Kamiyama(1), Hisanao Yoshihara(1), Michio Kuramochi(1), Hiroyuki Tashimo(1), Hidenori Arai(1), Ayako Kawakami(2),	(1)Division of Respiratory Medicine and Allergology, Department of Medicine, Teikyo University School of Medicine, (2)Publish Health Insurance Association, (3)National Institute of Health Sciences, (4)National Hospital Organization

Hiroshi Akiyama(3), Hiroyuki Nagase(1), Ken Ohta(1),(4)	Tokyo National Hospital, Tokyo, Japan
OTomoki Fukuyama, Tadashi Kosaka, Lisa Miyashita, Risako Nishino,Koichi Hayashi, Hideo Ueda, Takanori Harada	The Institute of Environmental Toxicology (IET), Ibaraki, Japan
ORisako Nishino, Tomoki Fukuyama, Lisa Miyashita, Koichi Hayashi, Hideo Ueda,Tadashi Kosaka	The Institute of Environmental Toxicology, Ibaraki, Japan
ORika Watanabe,Takahiro Sakuta, Mami Kawaguchi, Kuniaki Takagi, Masakuni Degawa	School of Pharmaceutical Science, University of Shizuoka, Shizuoka, Japan
OYukina Ichiki Yukina , Uehara Masashi , Masuda Miyabi , Takagi Kuniaki , Degawa Masakuni	School of Pharmaceutical Science, University of Shizuoka, Shizuoka, Japan
OMasashi Tsunoda(1), Takamasa Kido(2), Chiemi Sugaya(1), Hiroshi Katagiri(3), Yoshiharu Aizawa(4)	(1)Department of Preventive Medicine, Kitasato University School of Medicine, Sagamihara, Japan, (2)Department of Pulic Health and Environmental Medicine, The Jikei University School of Medicine, Tokyo, Japan, (3)Department of Public Health, Kitasato University School of Allied Health Sciences, (4)Kitasato University, Tokyo, Japan
OQing Li, Maiko Kobayashi, Hirofumi Inagaki, Yoko Wakayama, Masao Katsumata, Yukiyo Hirat, Yingji Li, Kimiko Hirata, Takako Shimizu, Tomoyuki Kawada	Department of Hygiene and Public Health, Nippon Medical School, Tokyo, Japan
OMitsuhiro Uchida(1), Toshiyuki Tsuchiya(1), Maho Ukaji(2), Yoshiro Saito(2), Kouichi Kurose(2)	(1)Toxicology Laboratory, Pharmaceutical research center, Meiji Seika Pharma Co., Ltd., Kanagawa, Japan , (2)Division of Medicinal Safety Science, National Institute of Health Sciences, Tokyo, Japan
	Nagase(1), Ken Ohta(1),(4) OTomoki Fukuyama, Tadashi Kosaka, Lisa Miyashita, Risako Nishino,Koichi Hayashi, Hideo Ueda, Takanori Harada ORisako Nishino, Tomoki Fukuyama, Lisa Miyashita, Koichi Hayashi, Hideo Ueda, Tadashi Kosaka ORika Watanabe,Takahiro Sakuta, Mami Kawaguchi, Kuniaki Takagi, Masakuni Degawa OYukina Ichiki Yukina , Uehara Masashi , Masuda Miyabi , Takagi Kuniaki , Degawa Masakuni OMasashi Tsunoda(1), Takamasa Kido(2), Chiemi Sugaya(1), Hiroshi Katagiri(3), Yoshiharu Aizawa(4) OQing Li, Maiko Kobayashi, Hirofumi Inagaki, Yoko Wakayama, Masao Katsumata, Yukiyo Hirat , Yingji Li, Kimiko Hirata, Takako Shimizu, Tomoyuki Kawada OMitsuhiro Uchida(1), Toshiyuki Tsuchiya(1), Maho Ukaji(2), Yoshiro Saito(2),

Fetal exposure to carbon nanoparticle altered development of the neonatal immune system	ORyuhei Shimizu(1), Masakazu Umezawa(2), Saki Okamoto(1), Rikio Niki(2), Shuhei Ogawa(2),(3), Shiho Watanabe(3), Ryo Abe(3), Ken Takeda(1),(2)	(1)Department of Hygienic Chemistry, Faculty of Pharmaceutical Science, Tokyo University of Science, Noda, Chiba, Japan , (2)Center of Environmental Health Science Next Generation, RIST, Tokyo University of Science, Noda, Chiba, Japan , (3)Research Institute for Biological Sciences, Tokyo University of Science, Noda, Chiba, Japan
Effect of fetal exposure to carbon black nanoparticle on splenic gene expression in neonatal mouse	OMasakazu Umezawa(1), Ryuhei Shimizu(2), Saki Okamoto(2), Shiho Watanabe(3), Shuhei Ogawa(1),(3), Ryo Abe (3), Ken Takeda(1),(2)	(1)The Center for Environmental Health Science for the Next Generation, RIST, Tokyo University of Science, Noda, Chiba, Japan, (2)Department of Hygienic Chemistry, Faculty of Pharmaceutical Science, Tokyo University of Science, Noda, Chiba, Japan, (3)Research Institute for Biological Sciences, Tokyo University of Science, Noda, Chiba, Japan
The novel immune- modulating effects of amorphous nanosilica particles following epicutaneous exposure	○Toshiro Hirai(1), Yasuo Yoshioka(1), Hedeki Takahashi(1), KO-ichi Ichihashi(1), Nobuo Nishijima(1), Tokuyuki Yoshida(1), Shin-ichi Tsunoda(2),(3), Hiromi Nabeshi(4), Tomoaki Yoshikawa(1), Yasuo Tsutsumi(1),(2),(3)	(1)Laboratory of Toxicology and Safety Science, Graduate School of Pharmaceutical Sciences, Osaka University, Osaka, Japan, (2)Laboratory of Biopharmaceutical Research, National Institute of Biomedical Innovation (NiBio), Osaka, Japan, (3)MEI center, Osaka University, Osaka, Japan, (4)National Institute of Health Science, Tokyo, Japan
Effect of Asian sand dust particles on human airway epithelial cells	OYugo Matsuda(1), Akiko Honda(1), Rumiko Murayama(1), Kenshi Tsuji(1), Masataka Nishikawa(2), Eiko Koike(3), Seiichi Yoshida(4), Takamichi Ichinose(4), Hirohisa Takano(1)	(1)Environmental Health Division, Department of Environmental Engineering, Graduate School of Engineering, Kyoto University, Kyoto, Japan, (2)Center for Environmental

		Mesurement and Analysis, National Institute for Environmental Studies, Tsukuba, Japan , (3)Center for Environmental Health Sciences, National Institute for Environmental Studies, Tsukuba, Japan , (4)Department of Health Sciences, Oita University of Nursing and Health Sciences, Oita, japan
Luncheon Seminar 1		<u> </u>
Evaluation of Anti-Drug Antibodies During Non- Clinical Safety Studies	Gary Bembridge	Huntingdon Life Sciences Ltd.
Luncheon Seminar 2		
Validation and use of several assays to monitor pharmacodynamic markers intended for human use, in the cynomolgus monkey	Lawrence D Jacob	Principal Immunologist and Molecular Biologist, Bioanalysis and Immunology Group, Charles River Laboratories Preclinical services, Edinburg

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