

第 14 回 札幌国際がんシンポジウム

テーマ

“Genetic Polymorphism and Cancer Susceptibility”

日時

1994 年 7 月 6 日～9 日

会場

センチュリーロイヤルホテル（札幌市中央区）

代表世話人

渡辺 民朗（東北大学）

The 14th Sapporo International Cancer Symposium

Theme:

“Genetic Polymorphism and Cancer Susceptibility”

Date:

July 6-9, 1994

Venue:

Century Royal Hotel, Sapporo, Japan

Organizers(*Chairperson):

Frank J. Gonzalez

F. Peter Guengerich

Fred F. Kadlubar

Ryuichi Kato

Yoshiaki Fujii-Kuriyama

Tatsuya Kamataki

Minro Watanabe*

Program:

Open Lecture for Citizens

Kaoru Abe

Opening Remarks

Hiroshi Kobayashi

Frank J. Gonzalez

Minro Watanabe

Session I: Polymorphic Drug Metabolizing Enzymes

The CYP2A–2B–2F Subfamily Cluster on the Human Chromosome 19

Frank J. Gonzalez

Interaction between Trans-acting Factors and their Cognate DNA Elements in the Induction Process of Xenobiotic Metabolizing P450 (CYP1A1)

Yoshiaki Fujii–Kuriyama

Modulation of Genotoxicity of Chemicals by Polymorphic Glutathione S–Transferase Theta Class Enzymes

F. Peter Guengerich

Properties and Genetic Polymorphism of N–substituted Aryl Carcinogen Conjugating Enzymes

Yasushi Yamazoe and Ryuichi Kato

Molecular and Epidemiological Analyses of Abnormal Expression of Aromatase in Breast Cancer

Nobuhiro Harada

Cytochrome P450 Mediated Reactions Studied in Genetically Engineered V79 Chinese Hamster Cells

Johannes Doehmer

Polymorphic Drug Metabolism: Studies with Recombinant Chinese Hamster Cells and Analyses in Human Populations

Tsuyoshi Yokoi and Tetsuya Kamataki

Implication of Nitric Oxide Synthases in Carcinogenesis

Hiroaki Esumi

Session II: Genetic Epidemiology of Carcinogen Metabolizing Enzymes

Genetic Polymorphisms of Drug-metabolizing Enzymes and Lung Cancer Susceptibility

Kaname Kawajiri

Metabolic Polymorphism Effecting DNA Binding and Excretion of Carcinogens in Humans

Helmut Bartsch

Induction of CYP Isozymes and Carcinogenic Susceptibility

Yoshiyuki Hashimoto and Masakuni Degawa

Contrasts between Single and Susceptibility Genes in Cancer Etiology

Neil E. Caporaso Assessment of Tumor Susceptibility of the Human by Use of Genetic Polymorphisms in Carcinogen Metabolisms

Shuntaro Ikawa and Minro Watanabe

Drug Metabolizing Enzyme Activities as Constitutive Risk Factors for Aggressive Bladder Cancer

Robert A. Branch

Poster Discussion Session

Relationship of the Glutathione-S-Transferase M1 and Cytochrome P450IA1 Gene Polymorphism to Bladder Cancer Susceptibility

Takahiro Katoh

GSTM1 Null Genotype, Age and Smoking Status in Japanese Lung Cancer Patients
Masahiro Kihara

Inter-individual Differences in the Expression of Glutathione-S-Transferases in
Tonsils and M1-1 Null Phenotype in Esophagus Cancer
Shigeki Tsuchida

Cytochrome P4501A (CYP1A1) and IIE1 (CYP1IIE1) Polymorphism in Lung Cancer
Case Control Study in Rio de Janeiro, Brazil
Haruhiki Sugimura

Cytochrome P450 2E1 (CYP2E1) Genetic Polymorphisms for the Gastric
Carcinogenesis and the Liver Disease
Sunji Kato

Cloning and Characterization of Human Renal P450 CYP4A11
Susumu Imaoka

Metabolic Activation of N-Nitrosodimethylamine during Liver Fluke Infection
Puangrat Yongvanit

DCC Gene Codon 201 Arg/Gly polymorphism is Associated with Susceptibility to
Colorectal Carcinoma Including Distant Metastasis
Nobuo Aoyama

Analysis of Heterocyclic Amine-DNA Adducts in Human Organs
Kazuo Fukutome

Session III Biomonitoring of Carcinogen Metabolites and DNA Adducts

Metabolic Polymorphism and Carcinogen-DNA Adduct Formation in Human
Populations
Fred F. Kadlubar

July 9

Molecular Biomarkers of Aflatoxins and their Application to Human Liver Cancer

John D. Groopman

Rat Liver Hydroxysteroid Sulfotransferases Activating the Carcinogens, Polycyclic
Arylmethanols

Tadashi Watabe

Session IV Evaluation of Genetic, Polymorphism to Cancer Prevention

Detection of Primary DNA Damage: Applicability to Biomonitoring of Genotoxic
Occupational Exposure and in Clinical Cancer Therapy

Frenz Oesch

Genetic Polymorphism and Susceptibility to Cancer: Where we are going

Takashi Sugimura

Closing Remarks

F. Peter Guehgerich, Fred F. Kadlubar, Ryuichi Kato