

---

## MEETING REPORTS

---

### International Symposium- 'Threshold of Carcinogenicity and Mutagenicity' March 15-16, Kobe

The first international meeting entitled 'Threshold of Carcinogenicity and Mutagenicity' was organized by Dr. Shoji Fukushima, Department of Pathology, Osaka City University Medical School and Dr. Makoto Hayashi, Division of Genetics and Mutagenesis, National Institute of Health Sciences and gathered 16 leading scientists in the area of risk assessment for chemical carcinogenesis and mutagenesis as the speakers from Japan, U.S., U.K., and France. The total number of participants was about 200, including 6 from regulatory agencies, 146 from industry and 46 from academia.



**Osaka City University Pathology Department - the Organizers!**

of just rejecting anything without sufficient cause. An overview on risk management conducted by the regulation sector, Ministry of Health, Labor and Welfare, Japan, was included. **Symposium 4** was the session of the possible multi-action and existence of thresholds for combined administration of carcinogens and promoters in animals, while **Symposium 5** focused on utility of DNA adducts as biomarkers for safety evaluation. **Symposium 6** was a session on threshold mechanisms. *In vitro* chromosome damage tests show a high frequency of positive results that are not corroborated by genotoxic or tumorigenic findings in rodent studies. There might be change in the future in the way genotoxicity data are managed, in particular regarding extrapolation to very low doses and risk assessment. A real threshold is a dose below which a measured effect does not occur and if there are thresholds for genotoxic carcinogens, valuation of the hazard derived from exposure to multiple numbers of chemicals at doses below their thresholds needs to be clarified. The two Luncheon Seminars were educational lectures on utility of protein chips, new techniques for dot microdissection and proteome analyses.

Finally the meeting was very successful in terms of stimulating active discussion. In the opening and closing remarks by Drs Hayashi and Fukushima the importance of the threshold concept was stressed, not only for carcinogenesis but also other toxicological fields. Future meetings to further promote this area are clearly warranted.

**Yoichi Konishi** President of International Federation of Societies of Toxicologic Pathology

The meeting consisted 6 symposium sessions and 2 luncheon seminars. **Symposium 1** concerned the possible existence of thresholds for genotoxic carcinogens based on animal experimental results with low dose carcinogen-exposure. **Symposium 2** was focused on mutagens, with discussion of the concept of a 'biological (or real) threshold' found by DNA-targeting mutagens in wild type and the repair-deficient strains. It was presented that the existence of a threshold may depend upon factors such as the sites modifies within the DNA helix. **Symposium 3** covered risk assessment. Consumers need to know what risk is all about and choose what to eat instead

---

# 7th Japanese Cancer Molecular Epidemiology/29th Japanese Cancer Epidemiology Research Associations Joint Meeting

---

Hiroshima Prince Hotel, Hiroshima, Japan, May 19-20th, 2006

**Opening Remarks:** **Kei Nakachi** (Radiation Effects Research Foundation)  
7th Japanese Cancer Molecular Epidemiology Association Meeting President

**Symposium I:** Biological Markers for Human Cancer Research: Mechanisms and Measurement



Chairpersons: **Shin-ichi Hayashi** (Tohoku University)  
**Eisaburo Sueoka** (Saga University)

Inflammation-associated Markers and Immune  
**Hayashi Hoken** (Radiation Effects Research Foundation)

High Level Analysis of Biological Markers by Flow Cytometry  
**Yoichiro Kusu** (Radiation Effects Research Foundation)

Methods and Application for High Sensitivity Measurement of  
Human DNA  
**Akiko Sakai** (Okayama University)

Applications of Proteomics for Epidemiology  
**Sei Yanagisawa** (Nagoya University)

**Tomoyuki Kitagawa - Life-end Cancer?**

**Special Lecture** Chairpersons: **Suminori Akiba** (Kagoshima University)  
**Kei Nakachi** (Radiation Effects Research Foundation)

Natural History of Cancer: Tenjyu-gan, Yattoko-gan and Kuzure-gan (Natural-end cancer concepts)  
**Tomoyuki Kitagawa** (JFCR Cancer Institute)

**Symposium II:** Epidemiology of Virus-Associated Cancer

HPV Infection and Cancer of the Uterine Cervix : Viewpoint from Immunology  
**Hisayuki Sasakawa** (Kanazawa University)

HCC Prevention - Meeting Point of Viral and  
Chemical Carcinogenesis  
**Keitaro Tanaka** (Saga University)

Epidemiology of Epstein-Barr Virus Linked  
Stomach Cancer  
**Chihaya Koriyama** (Kagoshima  
University)



**Closing Remarks:**  
**Suminori Akiba**  
(Kagoshima University)  
29th Japanese Cancer Epidemiology  
Association Meeting President

**Kei Nakachi**  
**Suminori Akiba**

**Participants at the Joint Meeting for the Japanese Associations for Cancer Epidemiology and Molecular Cancer Epidemiology**

---

# 2006 Symposium of the Korean Society of Cancer Prevention, 26th May 'Plant Seeds and Cancer Prevention'

---

**Hanyang University, Seoul, Korea, May 26th, 2006**

**Opening Remarks:** Ae-Son Om (Hanyang University)

**Session One:** Chair: **Kun-Young Park** (President, Korean Society of Cancer Prevention, Pusan University)

**Special Lectures:** Emerging Research on Flaxseed and Various Cancers - A Review

**Kelly Fitzpatrick**

(NutriTech Consulting, Canada)

Flaxseed Breast Cancer and Bone Health

**Wendy Elizabeth Ward**

(University of Toronto, Canada)

Anticarcinogenic Activity of Soy Flavones

**Jeoung-Sang Kim**

(Gyongbuk University)

**Session Two:** Chair: **Young-Nam Cho**  
(Inha University)

**Special Lectures:** Power of Plant Seeds and a  
Safeguard System against Free Radicals:  
Effect of Canolol from Crude Canola Oil  
against Carcinogenesis by *H.pylori* Infection

**Hiroshi Maeda**

(Sojo University, Japan)

Chemopreventive and Chemoprotective Effects of Oligonol, a Formulated Oligomeric Polyphenol Mixture

**Youn-Joon Surh** (Seoul University)

Induction of Apoptosis by Capsaicin in Cancerous Cells

**Jung-Ae Kim** (Yong-Nam University)



## Ae-Son Om and the Canadian 'Flax' Brigade



Introduction to Activities and  
Future Directions of the APOCP/  
UICC Asian Office

**Malcolm A Moore**

(APOCP Coordinator

APJCP Chief Editor)

**Closing Remarks:**

**Kun-Young Park**

President

Korean Society of

Cancer Prevention

(Pusan University)

**Ae-Son Om**

**Exhausted at the Conclusion - but Ready for Refreshment**