

WORKSHOP REPORT
UNDER THE U.S.-JAPAN COOPERATIVE CANCER
RESEARCH PROGRAM

AREA	1. Basic Science 2. Clinical Science 3. Epidemiology & Behavioral Science
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Date: April 5, 2010

1. Title of Workshop:

Cancer biology, Epidemiology, and Policy Making for Tobacco and Alcohol Control

2. Period of Workshop:

From March 24, 2010
 to March 26, 2010 3 days

3. Place of Seminar:

City / country
 Nagoya / Japan

4. Total Budget

a. Financial Support by JSPS: Total amount: 2,833 thousand yen

b. Financial Support by NCI : Total amount: U.S. dollar

c. Other Financial Support : Total amount: None

5. Organizers

a. Japanese Organizer	
Name	Nobuyuki Hamajima
Institution / Department	Department of Preventive Medicine / Biostatistics and Medical Decision Making, Nagoya University Graduate School of Medicine
Position	Professor
b. U.S. Organizer	
Name	Edward Trapido
Institution / Department	Louisiana State University Health Sciences Center – Schools of Public Health and Medicine – New Orleans
Position	Professor

6. Participants

Number of Participants: Japanese: 23 U.S.: 16 Others: 0

a. List of Japanese-side Participants (Except for Organizer)

Name	Institution/Department	Position
Takashi Hanioka	Fukuoka Dental College	Professor
Susumu Higuchi	National Hospital Organization Kurihama Alcoholism Center	Deputy director
Asahi Hishida	Nagoya University Graduate School of Medicine	Research associate
Hidemi Ito	Aichi Cancer Center Research Institute	Section head
Hiroshi Kasai	University Occupational and Environmental Health	Professor
Kota Katanoda	National Cancer Center	Staff scientist
Sayo Kawai	Nagoya University Graduate School of Medicine	Research associate
Sayaka Kuriki	Nagoya University Graduate School of Medicine	Student of master course
Chihaya Koriyama	Kagoshima University Graduate School of Medicine	Assoc. Professor
Yumiko Mochizuki	National Cancer Center	Head
Emi Morita	Nagoya University Graduate School of Medicine	Research associate
Mariko Naito	Nagoya University Graduate School of Medicine	Assoc. professor
Masakazu Nakamura	Osaka Medical Center for Health Science and Promotion	Director
Akira Oshima	Osaka Medical Center for Cancer and Cardiovascular Diseases	Director
Hideo Saka	Nagoya Medical Center	Director
Kazuo Tajima	Aichi Cancer Center Research Institute	Director
Takashi Tamura	Nagoya University Graduate School of Medicine	Student of master course
Hideo Tanaka	Aichi Cancer Center Research Institute	Chief
Sinkan	National Institute of Health and Nutrition	Director
Tokudome		
Shoichiro Tsugane	National Cancer Center	Head
Kenji Wakai	Nagoya University Graduate School of Medicine	Assoc. professor
Akira Yokoyama	National Hospital Organization Kurihama Alcoholism Center	Director

b. List of US-side Participants (Except for Organizer)

Name	Institution/Department	Position
Michael Bartley	University of Miami Miller School of Medicine	Staff
Neal L Benowitz	University of California at San Francisco	Professor
Andrew Bergen	SRI International	Director
Michelle Bloch	US National Cancer Institute	Medical officer
Alberto Caban-Martinez	University of Miami	Research associate
Elizabeth Fontham	Louisiana State University School of Public Health	Professor
Tom Glynn	American Cancer Society	Research psychologist
Dorothy Hatsukami	University of Minnesota	Professor
Arthur Klatsky	Kaiser Permanente Medical Care Program	Adjunct investigator
Janet Konefal	University of Miami	Professor
Scott Leischow	Arizona Cancer Center The University of Arizona	Professor
Sarah Moody - Thomas	Louisiana State University Health Sciences Center	Professor
Sabrina Oesterle	University of Washington	Assistant professor
Guillermo Prado	University of Miami Miller School of Medicine	Director
Michael Thun	American Cancer Society	Emeritus vice president

c. List of Other Country Participants

Name	Institution/Department /Position	Country
None		

7. Agenda and Topics of Workshop

This workshop aimed to integrate the information from recent studies in different research fields related to smoking and alcohol control, as well as local and global movements against smoking and alcohol drinking.

Elucidation of the biological mechanisms of carcinogenesis provides the methods of prevention and treatment of related cancers. Biological mechanisms of addiction also provide the basis for therapies of addiction. Studies on the genotypes interacting with tobacco carcinogens, nicotine, ethanol, and acetaldehyde are useful to identify the high risk groups of tobacco/alcohol-related diseases and addiction, which could be applied for individual risk estimation for smokers and drinkers. Effective methods to induce smoking cessation, to reduce passive smoking exposure, and to avoid overdrinking, should be established in different settings, such as schools, worksites, clinics, and communities. The methods for smokers include information provision using posters and videos, educational sessions, counseling, nicotine replacement therapy, and medication of bupropion or varenicline. The methods for drinkers include medication of gamma-hydroxybutyric acid, as well as non-drug approaches similar to those for smokers. Regulations and rules against smoking in international level, national level, local governmental level, and individual communities and facilities are effective, but further should be promoted to accelerate the pace to tobacco-free societies.

There are similarities and differences in genetic background, culture, and social systems between Japan and the United States. Accordingly, the approaches against smoking and drinking habits in both countries may be similar in some aspects and different in other aspects. Through the discussion, this JAPAN-US Workshop provides updated views on the above scientific and political issues for the participants from the two countries.

8. Scientific Achievements

The workshop was a three-day meeting, starting at 13:00 of March 24 and ended at 12:00 of March 26. An abstract book including the abstracts of all scheduled speakers was printed. The workshop had nine sessions on problems of smoking and alcohol, as below.

Session I	Tobacco carcinogenesis and genetic interaction “Biomarkers of carcinogen exposure” by Dr. Hatsugami “Oxidative and methylating DNA damage in relation to smoking” by Dr. Kasai “Functional candidate gene variation in association with nicotine dependence and smoking cessation” by Dr. Bergen
Session II	Attributions of tobacco to cancer “Attributions of smoking to cancer incidence/mortality in the United States” by Dr. Fontham “Attributions of active smoking to cancer incidence/mortality in Japan” by Dr. Wakai “Attributions of passive smoking to cancer incidence/mortality in Japan” by Dr. Katanoda “Non-filter and filter cigarette consumption and the incidence of lung cancer by histological type in Japan and the United States: analysis of 30-year data from population-based cancer registries” by Dr. Ito “Evolution of the risks from smoking in the U.S. – are these trends relevant to Japan?” by Dr. Thun

Session III	Nicotine addiction “Biological mechanisms of nicotine addiction” by Dr. Benowitz “Tobacco dependence and mental health” by Dr. Bartley “Genetic traits for being a smoker” by Dr. Hamajima
Session IV	Tobacco control (1) “WHO Framework Convention on Tobacco Control – its political impact on Tobacco control policy in Japan” by Dr. Mochizuki-Kobayashi “The Framework Convention on Tobacco Control: a U.S. perspective” by Dr. Glynn
Session V	Tobacco control (2) “Comprehensive tobacco control in the U.S.” by Dr. Bloch “Translating research into practice – tobacco treatment in the U.S.” by Dr. Leischow “Translating science into practice: the HCSD tobacco control initiative” by Dr. Trapido instead of Dr. Moody-Thomas “Smoking cessation treatments in Japan: current status and issues for the Future” by Dr. Nakamura
Session VI	Smoking cessation “Smoking cessation clinic: team approach in a general hospital” by Dr. Saka “Smoking cessation intervention for dental patients” by Dr. Hanioka “Complementary and alternative treatments for smoking cessation” by Dr. Konefal
Session VII	Alcohol carcinogenesis and genetic traits “Carcinogenesis of alcohol” by Dr. Caban-Martinez “Genetic traits on carcinogenesis of alcohol” by Dr. Yokoyama
Session VIII	Attribution of alcohol to cancer “Attributions of alcohol drinking to cancer incidence/mortality in the United States” by Dr. Klatsky “Attributions of alcohol drinking to cancer incidence/mortality in the Japanese population” by Dr. Tanaka
Session IX	Prevention of alcohol related diseases “Reducing the incidence of tobacco and alcohol use in early adolescence Through community wide preventive action” by Dr. Oesterle “Brief intervention programs for reducing alcohol consumption in heavy Drinkers” by Dr. Higuchi “Preventing alcohol use among minority immigrant youth” by Prado

As shown above, 12 Japanese speakers and 15 US speakers made a presentation, in addition to the remarks of Dr. Hamajima and Dr. Trapido, and a short talk of Dr. Tajima.

There were many questions and comments on the presentations from the participants of both countries; one to four participants raised questions/comments for each presentation.

9. Other Workshop Activities (Reception, Excursion, other Meetings)

Reception and dinner

1. The welcome party was held in 19:00-21:00 of March 24 at Mielparque Nagoya. After the addresses of the chairpersons of both countries, the occasion to introduce one another among the participants was provided.
2. On March 25, a dinner was provided at the Westin Nagoya Castle. The hotel is located in front of Nagoya Castle, which is lighted up at night. The view from the hotel is one of the best in Nagoya, and effective to understand Japanese culture.

Excursions

1. In the morning of March 24, a short visit to Tokugawa-en and Tokugawa Museum was provided for the US participants. Tokugawa-en is a typical Japanese garden, and Tokugawa Museum exhibits the history and culture of Edo era.
2. In the afternoon of March 25, the participants visited Nagoya Castle and Noh theater. The visit also provided the occasion to understand Japanese history and culture. Cherry blossom welcomed the participants at Nagoya Castle.
3. In the afternoon of March 26, short tours to Nagoya Station or to Osu area were provided.

Other meeting

1. In the afternoon of March 26, seven US participants including Prof. Trapido and staff of Nagoya University School of Medicine (Drs. Hamajima, Wakai, Naito, Morita, Hishida, and Kawai) and Aichi Cancer Research Institute (Drs. Tanaka and Ito) had one-hour meeting on the future possible collaboration, after a short hospital tour of Nagoya University Hospital. In the meeting, Japan Multi-institutional Collaborative Cohort (J-MICC) Study and Hospital-based Epidemiologic Research Program at Aichi Cancer Center (HERPACC) were introduced. The collected data and samples were explained.

10. Comments and Opinions

Smoking and overdrinking are the main causes of many diseases including cancer. This workshop was very fruitful for both countries.

1. Under the support of the US chairperson, Prof. Trapido, many famous US experts attended this workshop. For the nomination of Japanese speakers, Dr. Mochizuki and Dr. Nakamura made a great contribution. Their supports were the main reason of this successful meeting.
2. English ability of Japanese participants was high enough to discuss the topic in detail. It satisfied the US participants, resulting in the high scientific appreciation of the US participants on this workshop.
3. A meeting at Nagoya University Graduate School of Medicine requested by the US participants was a fruitful to establish future collaborations between Japan and US.
4. This grant allowed spending the budget to perceptions, dinners, and excursions. The amount of the allocated budget was appropriate for this size of workshop (about 40 participants).
5. Since the participants could not fix at the time of application submission, changes in the number of speakers was unavoidable. Some participants withdrew due to an important unexpected matter. Their withdrawals made the unspent budget.