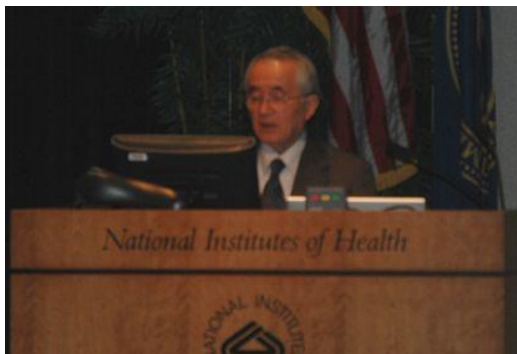
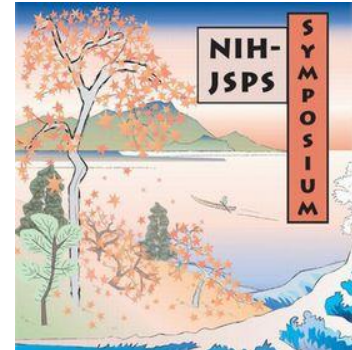


NIH-JSPS Joint Symposium – Frontiers in 21st Century Biomedical Science: Highlights from Japan and the United States– を開催 (Nov 6–7, 2006)

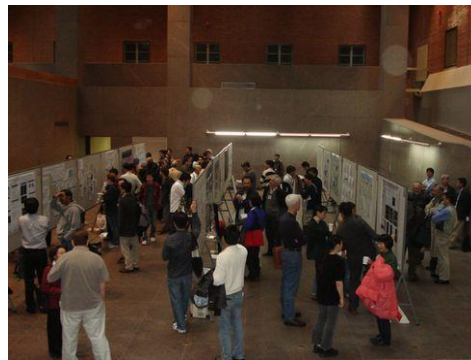
日本学術振興会ワシントン研究連絡センターは米国国立衛生研究所 (National Institutes of Health: NIH) との共催により、2006年11月6日～7日、米国ワシントン DC 近郊の NIH ベセスダ (Bethesda) キャンパスにて、シンポジウム「Frontiers in 21st Century Biomedical Science: Highlights from Japan and the United States–」を開催しました。日本からは5名の研究者を講演者として招待し、米国からは、NIH の研究者6名、NIH 外の研究者5名が講演者として出席しました。

2日間の日程は、テーマ別に6つのセッション(「Immunobiology, Signaling, and Medicine」、「Chromatin and Cell Function」、「Signaling and Cell Interactions」、「Stem Cells and Differentiation」、「Genetics and Development」、「Genomics from Bacteria to Humans」)に分け、1つのセッションにつき、そのセッションのテーマを専門とする2~3名の研究者が講演しました。各講演後は質疑応答の時間を設け、講演者と参加者との間で活発な議論が行われました。一般参加者は約350名と、多くの方がこのシンポジウムに参加しました。

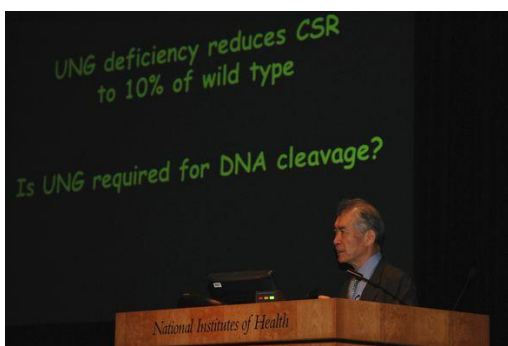
なお、この機会に NIH の日本人若手研究者によるポスターセッションを、6日の午後に実施した。ポスターセッションでは、日本学術振興会海外特別研究員採用者15名、海特OBで現在でも NIH で研究を継続している者7名を含む38名がポスター発表を行い、有意義なシンポジウムとなりました。



JSPS Washington Director, Dr. Masaïke



Poster session



Dr. Honjo

NIH-JSPS Joint Symposium

Frontiers in 21st Century Biomedical Science: Highlights from Japan and the United States

November 6 and 7, 2006, Masur Auditorium

November 6

8:30 - 8:45 Opening Remarks

Kenneth Bridbord, MD, Fogarty International Center, National Institutes of Health
Akira Masaïke, Ph.D., Director of the JSPS Washington D.C. Office
A Representative from the JSPS Headquarters Office, Tokyo, Japan

Session I: Immunobiology, Signaling, and Medicine

Chair: Keiko Ozato, PhD

8:45 - 9:15 **Thomas Waldmann, MD,** NCI, NIH, USA

Advances in Monoclonal Antibody-mediated Immunotherapy of Cancer and Autoimmune Diseases

9:15 - 9:45 **Tasuku Honjo, MD, PhD,** Kyoto University, Japan

Molecular Mechanism for Antibody Memory

9:45 - 10:15 **Toshio Hirano, MD, PhD,** Riken and Osaka University, Japan

Zinc Signaling Regulates Epithelial-Mesenchymal Transition and Activation of Immune Cells : Is Zinc a Novel Second Messenger?

10:15-10:45 Coffee Break

Session II: Chromatin and Cell Function

Chair: Tasuku Honjo, MD, PhD

10:45 -11: 15 **Shelley Burger, PhD,** The Wistar Institute, Philadelphia, USA

Post-translational Modifications of Histones and Factors in Genomic Regulation

11:15 -11:45 **Keiko Ozato, PhD,** NICHD, NIH, USA

Epigenetic Memory and Bromodomain Proteins

11:45- 12:15 **Kenneth Zaret, PhD**, Fox Chase Cancer Center, Philadelphia, USA
Genomic Targeting of Genetic and Epigenetic Control

12:15 -2:45 **Lunch and Poster Presentations (38 posters from Intramural programs)**

Session III: Signaling and Cell Interactions_

Chair: Yoshi Yamada, PhD

2:45 - 3:15 **Joseph Schlessinger, PhD** Yale University, New Haven, USA
Cell Signaling by Receptor Tyrosine Kinases: From Bench to Bedside

3:15 - 3:45 **Masatoshi Takeichi, PhD**, Center for Developmental Biology, Riken, Kobe, Japan
Cadherin Dynamics at Cell Junctions

3:45 - 4:15 **Atsushi Miyawaki, PhD** The Brain Science Institute, Riken, Wako, Japan
New Fluorescent Probes and New Perspectives in Bioscience

4:15 - 4:40 Coffee Break

Session IV: Stem Cells and Differentiation

Chair: Igor Dawid, PhD

4:40 - 5:10 **Gerard Karsenty, PhD**, Columbia University, New York, USA
Reciprocal Regulation of Bone and Energy Metabolism

5:10 - 5:40 **Ron McKay, PhD** NINDS, NIH, USA
Controlling Stem Cell and Neuronal Survival in the Central Nervous System

November 7

Session V: Genetics and Development

Chair: Susan Gottesman PhD

- 8:30 - 9:00** **Amar Klar, PhD**, NCI-Frederick, NIH, USA
Biased Segregation of DNA Strands in Mitosis and Implications for Cancer and General Development
- 9:00 - 9:30** **Nobutaka Hirokawa, MD. PhD**, Tokyo University, Japan
Intracellular Transport and Kinesin Superfamily Proteins, KIFs: Structure, Dynamics, and Functions
- 9:30 - 10:00** **Brant Weinstein, PhD**, NICHD, NIH, USA
Vascular Embryogenesis in the Zebrafish
- 10:00 - 10:30** Coffee Break

Session VI: Genomics from Bacteria to Humans

Chair: Nobutaka Hirokawa, MD, PhD

- 10:30 -11: 00** **Richard Young, PhD**, The Whitehead Institute, Cambridge, USA
Human Transcriptional Regulatory Circuitry
- 11:00 -11:30** **Susan Gottesman, PhD**, NCI, NIH, USA
The World of Non-coding RNAs in Bacteria
- 11:30 -11:45** Closing Remarks
Michael Gottesman, MD, Deputy Director for Intramural Research, NIH

Organizing Committee:

JSPS

Tasuku Honjo (Kyoto University)

Akira Masaike (JSPS Washington Office)

NIH

Michael Gottesman (Office of the Director)

Sharon Hrynkow (Fogarty International Center)

Program Committee:

Keiko Ozato (NIH, chair)

Igor B. Dawid (NIH)

Thomas Waldmann (NIH)

Yoshi Yamada (NIH)

Masatoshi Takeichi (Riken Kobe)

Nobutaka Hirokawa (Tokyo University)

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Aron Primack (FIC, NIH)

Keiko Ozato (NICHD, NIH)

Patricia Sokolove (OD, NIH)

Hideshi Kobayashi (JSPS Washington Office)

Thet Win (JSPS Washington Office)