

# Biodefense Policy & Research in Japan

○ **Tomoya Saito, MD, MPH**

*Assistant Project Director*

**Yuki Maehira, MS**

*Project Coordinator*

**Tsutomu Takeuchi, MD, PhD**

*Project Director*

Annual DHS University Network Summit 2008

Panel 10 “Biological Threat Characterization”

Mar. 19th, 2008

**Keio G-SEC/MEXT PJ for a Safe and Secure Society**  
*“R&D towards Better Bio-Preparedness in Japan”*



## Keio University

- Faculty of Letters
- Faculty of Economics
- Faculty of Law
- Faculty of Business & Commerce
- School of Medicine
- Faculty of Science and Technology
- Faculty of Policy Management
- Faculty of Environmental Information
- Faculty of Nursing and Medical Care
- Faculty of Pharmacy

Academic Units & Research Institutes

└ **Global Security Research Institute (G-SEC)**

Keio G-SEC/MEXT PJ for a Safe and Secure Society  
“R&D towards Better Bio-Preparedness in Japan”

*Founder Yukichi Fukuzawa (1835-1901)*



# Japan is the only nation that has experienced ALL...

**N**uclear



1945  
Hiroshima  
Nagasaki

**B**io



1990's  
Anthrax  
Botulism

**C**hemical



1994/1995  
Sarin Attack  
in Nagano/Tokyo

**R**adiological

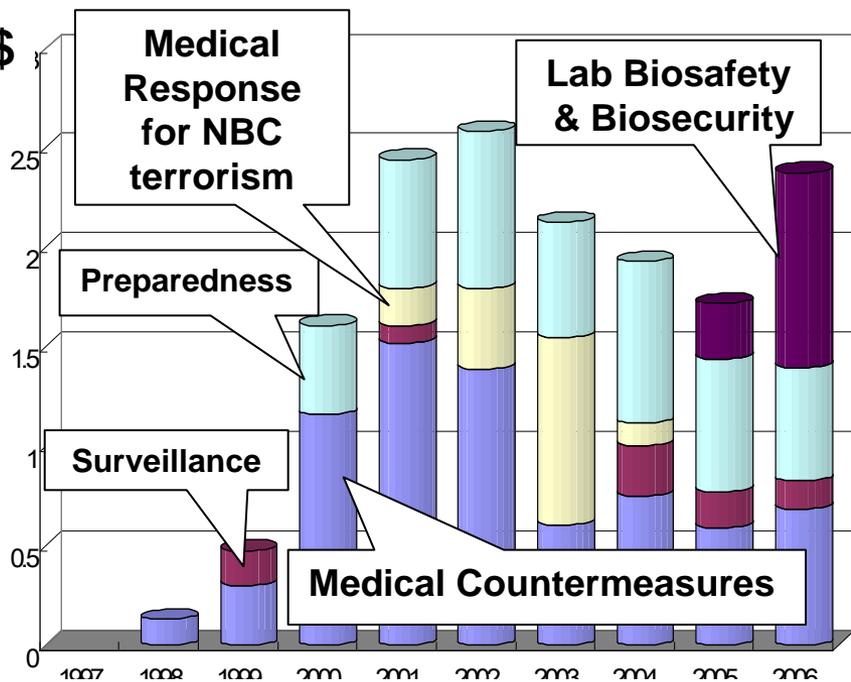


1999  
Accident in nuclear  
processing plant

, however...



M\$



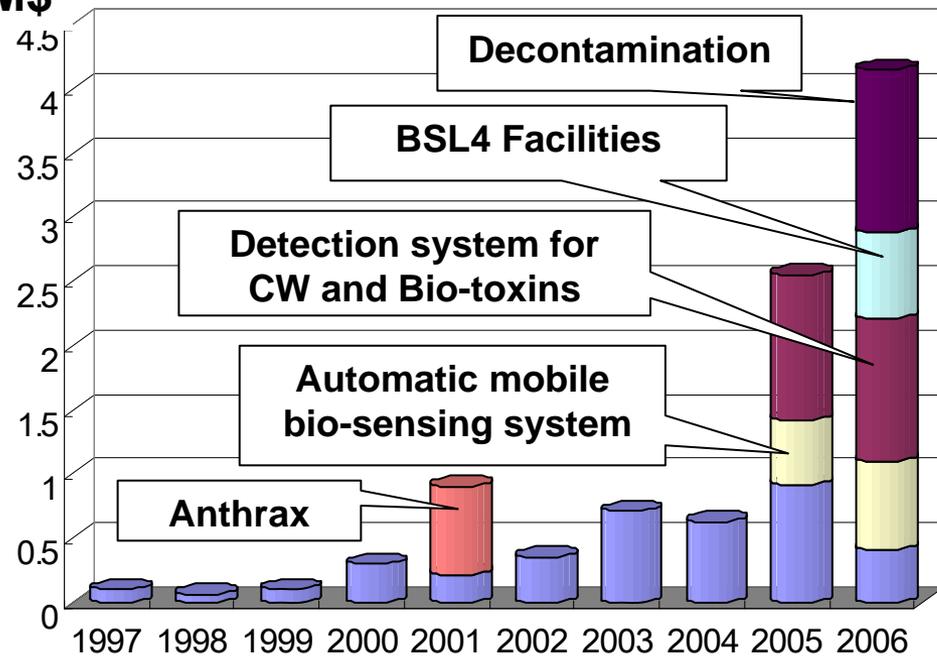
# Biodefense Research Grant in Japan, 1997~2006

T.Saito et al., in preparation

KEIO G-SEC 

**MHLW Grant**  
(annual budget:\$370M,2006)

M\$



**MoD**  
\$60M~\$100M/year  
(NBC defense)

**MEXT Grant**  
(annual budget:\$1.2B, 2007)

1\$=115 Yen



NIID, Murayama, Tokyo



**No BSL-4 Lab  
in operation  
(Used as BSL-3)**



**3<sup>rd</sup> Science & Technology Basic Plan**  
(Japanese Cabinet, 2006-2010)  
**“The World’s Safest Nation”**

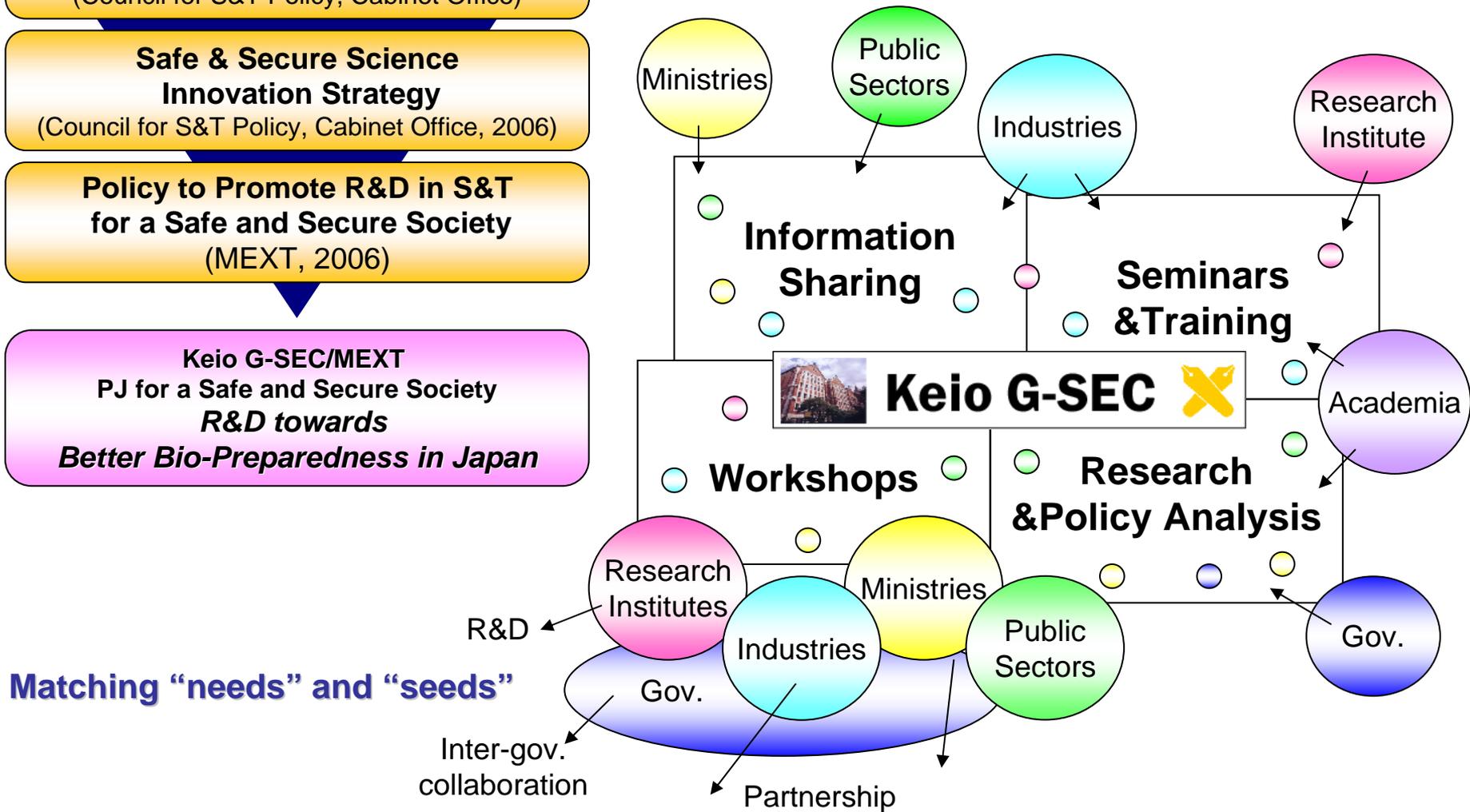
**Promotion Strategies  
for Prioritized Areas**  
(Council for S&T Policy, Cabinet Office)

**Safe & Secure Science  
Innovation Strategy**  
(Council for S&T Policy, Cabinet Office, 2006)

**Policy to Promote R&D in S&T  
for a Safe and Secure Society**  
(MEXT, 2006)

**Keio G-SEC/MEXT  
PJ for a Safe and Secure Society  
R&D towards  
Better Bio-Preparedness in Japan**

## Platform for Biosecurity in Keio G-SEC



**Framework Initiative for a Safe and Secure Society (FIS3)**  
— **Biodefense: Research, Training and Education**

# **1<sup>st</sup> US-Japan Medical Biodefense Research and Bioterrorism Symposium**

11th~13rd, June, 2007

@Marriott Crystal City Reagan Airport, Washington DC

Hosted by NIH/NIAID/Keio G-SEC

## **Day 1 Biological Agents on Concern: Research on Category A agent**

- Anthrax
- Botulism
- Smallpox and other Orthopox viruses
- Filovirus and other viral fevers

## **Day 2 Public Health Response to a Bioterrorist Event**

- Medical Surveillance
- Advanced medical countermeasures development
- Vaccine Development in Japan
- Bio-threat and other Emergencies
- Bio-Containment facilities
- Occupational Health and Biosafety issues in Biodefense laboratories

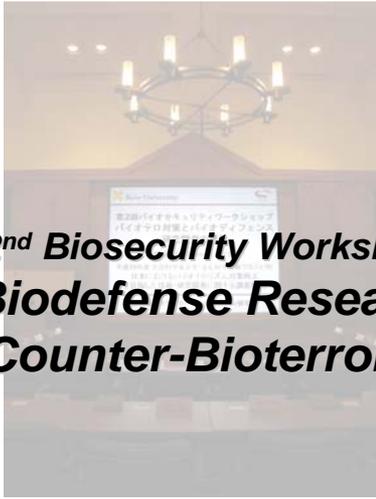


# Keio G-SEC/MEXT PJ for a Safe and Secure Society

## *“R&D towards Better Bio-Preparedness in Japan”*



**1st Biosecurity Workshop**  
**US-J Biodefense Symposium**  
**Review Workshop**



**2nd Biosecurity Workshop**  
**Biodefense Research**  
**& Counter-Bioterrorism**



**3rd Biosecurity Workshop**  
**R&D for Biodefense**  
**: Detection and Surveillance**



**Seminar Series**  
**“Emerging Infectious**  
**Diseases & Bioterrorism”**



**International Symposium**  
**Biodefense Research**  
**& Counter-Bioterrorism**  
**for a Safe and Secure Society**



<http://biopreparedness.jp>  
(Currently Japanese only)

- Biosecurity Report Series (Japanese only, in preparation)

## Acknowledgements

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Keio G-SEC staff members

Keio Business School

Faculty of Policy Management

Faculty of Business & Commerce

School of Medicine (Psychiatry)

School of Medicine (Microbiol.&Immunol.)

School of Medicine (Legal Medicine)

G-SEC visiting senior fellow

G-SEC visting fellow

Booz Allen Hamilton Corp.

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