

# Outreach in Japan

HESI Assembly of Members Annual Business Meeting May 12, 2010

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HESI Scientific Advisor in Japan



## HESI Webinar for Japan/Asia

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- Webinar on April 13, 9 10 AM Japan time
  - ➤ The first in a series of planned webinars in 2010 to provide updates on HESI's strategic activities of importance to the participants based in Asia

#### > Attendees:

- Seven from HESI member companies in Japan
- One from ILSI SEA Branch
- Dr. Ishikawa, El Advisor
- Marc Bonnefoi, HESI President
- Three from HESI DC Office
- Ayako Takei, HESI Scientific Advisor in Japan



## HESI Webinar for Japan/Asia

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## Agenda

- ➤ Introductory Comments, Marc Bonnefoi, HESI President
- 2009 HESI Scientific Mapping Initiative, Nancy Doerrer, HESI Associate Director
- ➤ HESI Resources-at-Initiation (RAI) Option for New Projects, Syril Pettit, HESI Associate Director
- Question and Discussion



### Past Outreach Activities

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- Plenary Lectures at JSOT and JSTP
- HESI Sponsored Lunch-time Seminars at JSOT and IFSTP
- HESI Seminars at:
  - National Institute of Health Sciences (NIHS)
  - Food Safety Commission (FSC)
  - Pharmaceuticals and Medical Devices Agency (PMDA)
  - National Institute of Advanced Industrial Science and Technology (AIST)
- HESI Member Meetings



## Executive Director's Japan Visit in 2009

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- Plenary Lecture at JSOT Annual Meeting in Morioka
  - Approaches to Assess the Allergenic Potential of Novel Protein; Are we on the right track?
- HESI Seminars:
  - Improving our Evaluation of Drug Safety through the 'HESI Approach' at PMDA
  - 2009 Update on HESI: Addressing the Challenging Questions in Risk Assessment at FSC
- Visits to Member Companies:
  - ➤ Kazusa Research Center, Mitsubishi-Tanabe
  - Eisai Safety Research Center, Tsukuba
  - Takeda Research Center, Osaka
  - Environmental Health Laboratory of Sumitomo, Osaka
  - Shinagawa R&D Center of Daiichi-Sankyo



## Participation/Input from Japan

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- Member Companies:
  - Genomics
  - PPAR Agonists
  - Renal Biomarkers
  - Cardiac Safety
  - > IVGT
- El Proposal on Stem Cell Research by Daiichi-Sankyo and Dr. Kenji Yasuda, Tokyo Medical and Dental University
- Active participation of Drs. Hayashi and Honma of NIHS in IVGT



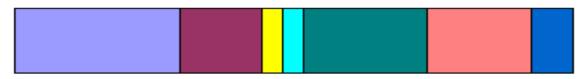
## HESI Scientific Mapping Meeting in Japan

H E S I

Date: January 28 - 29, 2009

Place: ACT CITY Hamamatsu Congress Center, Shizuoka, Japan

◆ Attendees: Total 27



- Academia (8)
- Government (4)
- CRO (1)
- Consultant (1)
- HESI Member Company (6)
- HESI Trustee/El Scientific Adviser (5)
- HESI Staff (2)

Public: 64%

Industry: 36 %



#### 2010-2020 HESI COMBINED CHALLENGES MAP

HES

Relative impact

Animal use and welfare

T<sub>im</sub>

Vaccine development, use, and safety

Genomics

Human health: scientific evaluation of sensitive populations

Sustainability

Stem cell technology

**Food safety** 

Communication and perception of risk versus benefit

Improved risk assessment through biomonitoring and epidemiology

Risk / benefit: regulation of chemicals in commerce

Translational biomarkers

Risk assessment of sensitive / vulnerable populations

**Environmental quality** 

Emerging contaminants

Safety of genetically modified organisms and foods

Regulatory framework for new methods

Computational tools / toxicology

Use of science in setting public policy

"Omics" in risk assessment

Risk assessment of co-exposures

Nanomaterials / nanotechnology

Paradigm shifts in risk assessment / life cycle assessment

Stem cell therapy

Individual susceptibility

Improved testing and assessment strategies

Regulatory framework for carcinogenicity testing

Alternatives to animal models

Epigenetics in risk assessment

Exposure-based risk assessment

Improved biomonitoring through biomarkers

Time: immediate (2010) to long-term (2020)



### **Board Members and El Adviser**

H E S I

### Board Members

- Dr. Shoji Fukushima, Japan Bioassay Research Center (2008 - )
- Dr. Sunao Manabe, Daiichi-Sankyo (2006 )
- > Dr. Hiroyuki Tsuda, Nagoya City University (2005 )

### El Advisor

Dr. Toshihisa Ishikawa, RIKEN (2009 - )



# Member Companies

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- Daiichi-Sankyo (2001 )
- ◆ Eisai (2001 )
- Mitsubishi-Tanabe (2001 )
- ◆ Sumitomo (2003 )
- ◆ Takeda (2006 )
- Astellas (2008 )



# Challenges

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- Keep and expand participation of current members
  - Ensure timely and effective two-way communications to update the members with current HESI activities and to understand their needs/ interests
- Increase membership
  - Explore possible candidates in the industries other than pharmaceuticals, e.g., chemical, food, consumer products, and CROs
- Solicit participation of government and academia
  - Further strengthen the relationships with NIHS, FSC, PMDA and AIST
  - Increase visibility of HESI through continued and enhanced presence at scientific meetings in Japan