

The 7th International Symposium of the Network-type Joint Usage/  
Research Center for Radiation Disaster Medical Science

# Radiation Medicine from the Perspective of Radiation Disaster Medical Science Research

February 20, 2023

Kojin-kaikan

in the Kasumi campus of Hiroshima University,  
Minami-ku, Hiroshima City

## Keynote Lecture

Elizabeth Ann Ainsbury (UK)

## Session 1

Low dose radiation effects and  
health risk study

Tomonobu Watanabe  
Yoshiya Shimada

## Session 2

Radiation casualty medicine

Shinji Tokonami  
Makoto Akashi

## Session 3

Social impact of a radiation disaster and  
radiological protection studies

William D.Y McMichael  
Kei Hirai

## Session 4

Medical radiation research

Jean-Pierre Pouget (France)  
Ikuno Nishibuchi

**主催** 共同利用・共同研究拠点ネットワーク／放射線災害・医科学研究拠点  
広島大学原爆放射線医科学研究所／長崎大学原爆後障害医療研究所  
福島県立医科大学ふくしま国際医療科学センター

**後援** 放射線被曝者医療国際協力推進協議会 (HICARE)  
長崎・ヒバクシャ医療国際協力会 (NASHIM)

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**The 7th International Symposium of the Network-type  
Joint Usage/Research Center for Radiation Disaster Medical Science**

**- Radiation Medicine from the Perspective of Radiation Disaster  
Medical Science Research -**

**Date:** February 20, 2023

**Venue:** Koujin Conference Hall on Kasumi Campus, Hiroshima University

**10:00- Registration**

**Opening Remarks**

**10:30-10:35** Mitsuo Ochi (Hiroshima University, Japan)

**Session 1: Low dose radiation effects and health risk study**

**Chair: Keiji Suzuki <sup>\*1</sup> and Akira Sakai <sup>\*2</sup>**

**10:35-10:55** Tomonobu Watanabe (Hiroshima University, Japan)

: Investigation of acquired cardiomyopathy on iPS differentiation by radiation based on advanced optical microscopy

**10:55-11:15** Yoshiya Shimada (Institute for Environmental Sciences, Japan)

: Molecular signatures in radiation-induced murine hematopoietic neoplasm

\*1 Nagasaki University \*2 Fukushima Medical University

**Session 2: Radiation casualty medicine**

**Chair: Osamu Kaminuma <sup>\*3</sup> and Osamu Tasaki <sup>\*4</sup>**

**11:15-11:35** Shinji Tokonami (Hiroshima University, Japan)

: What can we learn from HBRA studies?  
~Radiological aspects in various HBRA~

**11:35-11:55** Makoto Akashi (Tokyo Healthcare University, Japan)

: Radiation emergency medicine  
- a perspective on the past, present, and future -

\*3 Hiroshima University \*4 Nagasaki University

**Group photo and lunch break**

**11:55-13:25**

### **Hybrid session**

**Chair: Nobuyuki Hirohashi <sup>\*5</sup>**

**13:25-14:25** Oral presentation

**14:25-15:25** Poster

\*5 Hiroshima University

### **Session 3: Social impact of a radiation disaster and radiological protection studies**

**Chair: Shinji Yoshinaga <sup>\*6</sup> and Masaharu Tsubokura <sup>\*7</sup>**

**15:25-15:55** William D.Y McMichael (Fukushima University, Japan)

: Observations of Learning Outcomes for Short-Term Study Abroad  
Programs in Fukushima Prefecture Utilizing Dark Tourism

**15:55-16:15** Kei Hirai (Osaka University, Japan)

: Segmentation of the general public according to their health belief and  
literacy about radiation

\*6 Hiroshima University \*7 Fukushima Medical University

### **Session 4: Medical radiation research**

**Chair: Takashi Kudo <sup>\*8</sup> and Kohshin Washiyama <sup>\*9</sup>**

**16:15-16:45** Jean-Pierre Pouget (Institut de Recherche en Cancérologie de  
Montpellier (IRCM), France)

: Role of extracellular vesicles during bystander cytotoxicity and  
bystander immunity of alpha-targeted radionuclide therapy

**16:45-17:05** Ikuno Nishibuchi (Hiroshima University, Japan)

: Evaluating Individual Radiosensitivity for the Prediction of Acute  
Toxicities of Chemoradiotherapy in Esophageal Cancer Patients

\*8 Nagasaki University \*9 Fukushima Medical University

### **Keynote Lecture**

**Chair: Satoshi Tashiro <sup>\*10</sup>**

**17:05-17:50** Elizabeth Ann Ainsbury (UK Health Security Agency, UK)

: Networking in Biological and Physical Retrospective Dosimetry in  
Europe and Beyond

\*10 Hiroshima University

### **Award ceremony**

**17:50-18:00**

**Summary and closing remarks**

**18:00-18:10** Elizabeth Ann Ainsbury