

The 4th International Symposium of the Network-type Joint Usage/  
Research Center for Radiation Disaster Medical Science

# How can we communicate possible health effects in radiological emergency?

February 12, 2020

Koujin Conference Hall on  
Kasumi Campus,  
Hiroshima University

## Keynote Lecture

**Malcolm Crick (Austria)**

## Session 1

**Radiation casualty medicine**

**Tom K. Hei (USA)  
Koichi Tanigawa  
Kiyoshi Miyagawa**

## Session 2

**Low dose radiation effects and health risk study**

**Akira Ohtsuru  
Takayuki Kadoya  
Masahiro Nakashima**

## Session 3

**Social impact of a radiation disaster and radiological protection studies**

**Bradley Hamm (USA)  
Sae Ochi  
Zhanat Carr (Switzerland)**

### 主催

ネットワーク型共同利用・共同研究拠点  
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)

### お問い合わせ先

放射線災害・医科学研究拠点本部事務局  
(広島大学霞地区運営支援部総務グループ)  
Tel: +81-(0)82-257-5186  
Fax: +81-(0)82-255-8339  
E-mail: housai@hiroshima-u.ac.jp  
<http://home.hiroshima-u.ac.jp/housai/>

**The 4th International Symposium of the Network-type Joint  
Usage/Research Center for Radiation Disaster Medical Science  
- How can we communicate possible health effects in radiological  
emergency? -**

Date: February 12, 2020

Venue: Koujin Conference Hall on Kasumi Campus, Hiroshima University

**February 12, 2020 (Wednesday)**

**9:30- Registration**

**Opening Remarks**

**10:00-10:05** Mitsuo Ochi (Hiroshima University, Japan)

**Session 1: Radiation casualty medicine: Scientific basis of recovery from radiation injury**

**Chair: Keiji Suzuki <sup>\*1</sup> and Morihito Okada <sup>\*2</sup>**

**10:05-10:35** Tom K. Hei (Columbia University, USA) : The Role of Biomarkers in Radiation Disaster Management

**10:35-10:55** Koichi Tanigawa (Futaba Medical Center, Japan) : Roles of critical care medicine in radiological emergencies -Advances and challenges for acute radiation syndrome-

**10:55-11:15** Kiyoshi Miyagawa (The University of Tokyo, Japan) : Radiological risk communication of germline variants incidentally detected by cancer precision medicine

<sup>\*1</sup> Nagasaki University <sup>\*2</sup> Hiroshima University

**Session 2: Low dose radiation effects and health risk study: Clinical aspects of radiation-induced cancer**

**Chair: Michio Murakami <sup>\*3</sup> and Norisato Mitsutake <sup>\*4</sup>**

**11:15-11:35** Akira Ohtsuru (Fukushima Medical University, Japan) : Methods for conducting disease monitoring in low-dose exposure condition as a counter-measures during a nuclear disaster

**11:35-11:55** Akiko Emi (Hiroshima University, Japan) : Radiation effects and risk of breast cancer

**11:55-12:15** Masahiro Nakashima (Nagasaki University, Japan) : Detection of radiation-induced late effects in precancerous tissues from human skins and rat thyroid glands

\*3 Fukushima Medical University \*4 Nagasaki University

### **Group Photo and Lunch Break**

**12:15-13:45**

### **Hybrid Session**

**Chair: Nobuyuki Hirohashi \*5**

**13:45-14:45** Oral Presentation

**14:45-15:45** Poster

\*5 Hiroshima University

### **Session 3: Social impact of a radiation disaster and radiological protection studies: Effective mass communication on health risk**

**Chair: Shinji Yoshinaga \*6 and Arifumi Hasegawa \*7**

**15:45-16:15** Bradley J. Hamm (Northwestern University, USA) : Informing and Educating the World on Deadline: The Case for World-Class Communications

**16:15-16:35** Sae Ochi (Jikei University School of Medicine, Japan) : Science communication in Fukushima - understanding non-scientific rationality

**16:35-17:05** Zhanat Carr (World Health Organization, Switzerland) : Framework for Management of Psychological and Mental Health Impact of Nuclear Emergencies

\*6 Hiroshima University \*7 Fukushima Medical University

### **Coffee Break**

**17:05-17:25**

### **Keynote Lecture**

**Chair: Hiroshi Yasuda \*8**

**17:25-18:10** Malcolm Crick (Former Secretary of UNSCEAR, Austria) : The importance of trustworthy sources of scientific information in risk communication with the public

\*8 Hiroshima University

**Award Ceremony**

**18:10-18:30**

**Summary and Closing Remarks**

**18:30-18:40** Tom K. Hei (Columbia University, USA)