

The 1st International Symposium
of the network-type Joint Usage/
Research Center for Radiation
Disaster Medical Science

Scientific Underpinning for Restoration from a Radiation Disaster

Fukushima
Medical University

Hiroshima
University

Nagasaki
University

FEBRUARY
21 - 22
2017

*koujin Conference Hall on
Kasumi Campus,
Hiroshima University*

Feb 21 Tue

Keynote Lecture

Low dose radiation effects and health
risk research

Social impact of a radiation disaster
and radiological protection studies

Feb 22 Wed

Radiation casualty medicine

Werner Rühm(Germany)

session 1

**Tom Hei(USA)
Hiroshi Tauchi
Kensuke Otsuka
Michio Murakami**

session 2

**Sergey Shinkarev(Russia)
Masaharu Tsubokura
Takeshi Imoto
Noboru Takamura**

Poster Session

session 3

**Nicholas Dainiak(USA)
Marc Benderitter(France)
Yuji Yokouchi
Yukihito Higashi**

主催 ネットワーク型拠点
放射線災害・医科学研究拠点

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**The 1st International Symposium of the network-type Joint
Usage/Research Center for Radiation Disaster Medical Science
- Scientific Underpinning for Restoration from a Radiation Disaster –**

Sponsored by Research Base for Radiation Accidents and Medical Science

February 21 to 22 , 2017

Koujin Conference Hall on Kasumi Campus, Hiroshima University

February 21 , 2017 (Tuesday)

13:00- Registration

Opening remarks

13:30-13:40

Keynote Lecture

Chair: Shinya Matsuura

13:40-14:40 Werner Rühm (Helmholtz Center Munich, Germany) : Radiation Risk
Inference at Low Dose and Low Dose Rate Exposures

Session 1; Low dose radiation effects and health risk research

Chair: Yoshihiro Takihara and Keiji Suzuki

14:40-15:15 Tom Hei (Columbia University Medical Center, USA) : Low Dose
Radiobiology and Relevance to Human Health

15:15-15:40 Hiroshi Tauchi (Ibaraki University) : Induction of somatic mutation by
low dose/low dose rate radiation: Experimental analysis by
using a hypersensitive system

15:40-16:05 Kensuke Otsuka (Central Research Institute of Electric Power
Industry) : Cellular responses and gene expression profiles of
colonic Lgr5⁺ stem cells after low-dose / low-dose-rate
radiation exposure

16:05-16:30 Michio Murakami (Fukushima Medical University) : Utility of Risk
Comparison Regarding Radiation as Individual and Social
Decision-Making

Group photo and Poster viewing

16:30-17:00

Session 2; Social impact of a radiation disaster and radiological protection studies

Chair: Akira Ohtsuru and Hiroshi Yasuda

17:00-17:35 Sergey Shinkarev (FMBC, Russia) : Comparative analysis of the countermeasures to mitigate exposure of the public to radioiodine following the Chernobyl and Fukushima accidents

17:35-18:00 Yuji Yokouchi (Fukushima Medical University) : Is it Feasible to Establish a Tissue-specific Stem Cell Bank Derived from Human iPS Cells for Emergency Medical Treatment of Radiation Casualties?

18:00-18:25 Takeshi Iimoto (The University of Tokyo) : Cooperation among Citizens, a Local Government and Experts
Supporting Voluntary Decontamination Activity

18:25-18:50 Noboru Takamura (Nagasaki University) : For the recovery from the nuclear disaster: a model in Kawauchi village

February 22 , 2017 (Wednesday)

Poster viewing

9:00-9:30

Poster session

9:30-10:30

Session 3; Radiation casualty medicine

Chair: Masahiro Nakashima and Arifumi Hasegawa

10:30-11:05 Nicholas Dainiak (Oak Ridge Institute for Science and Education, USA) : Medical Management of Radiation Injury in a Mass Casualty Incident

11:05-11:30 Marc Benderitter (IRSN, France) : Medical management of patients presenting with accidental radiation-overexposure

11:30-11:55 Masaharu Tsubokura (Soma Central Hospital) : Health Issues Other

than Radiation Exposure in Soma-district, Fukushima

11:55-12:20 Yukihiro Higashi (Hiroshima University) : Cutting-edge Preparation of Cell Therapy for Overcoming Radiation-induced Damages in Humans

Summary and closing remarks

12:20-12:45