Scientific Underpinning for Restoration from a Radiation Disaster

**February 21 - 22, 2017**

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

### Feb 21 Tue

**Keynote Lecture**

- Werner Rühm (Germany)
- Low dose radiation effects and health risk research
- Social impact of a radiation disaster and radiological protection studies

### Feb 22 Wed

- Nicholas Dainiak (USA)
- Marc Benderitter (France)
- Yuri Yokouchi
- Yukihito Higashi
- Poster Session
- Session 3

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**Werner Rühm**

Tom Hei (USA)

Hirosi Tauchi

Kensuke Otsuka

Michio Murakami

Sergey Shinkarev (Russia)

Masaharu Tsubokura

Takashi Imoto

Noboru Takamura

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**Poster Session**

- Nicholas Dainiak (USA)
- Marc Benderitter (France)
- Yuri Yokouchi
- Yukihito Higashi

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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 radiiodine 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 exposure
11:30-11:55 Masaharu Tsubokura (Soma Central Hospital): Health Issues Other
than Radiation Exposure in Soma district, Fukushima

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

Summary and closing remarks
12:20-12:45