

7th International Systems Radiation Biology Workshop

September 28-30, 2019, Dalian, China



7th International Systems Radiation Biology Workshop

1. Workshop Objectives

Systems radiation biology approach using comprehensive experimental data that integrates different levels of biological organization and time-scale is a means of identifying the key processes underlying the biological consequences of radiation. This approach coordinates changes in function, behavior as well as system reactions after disturbance by a given radiation dose. As such, systems radiation biology provides an improved new mechanistic basis for risk predictions.

In 2007, the first international workshop on systems radiation biology was held at the GSF-national research center for environment and health in Neuherberg, Germany. In 2014, the 6th international systems radiation biology workshop was held in the national institute of radiological sciences, Chiba, Japan. These international workshops have witnessed the rapid advancement of science in systems biology. In 2019, the 7th international systems radiation biology workshop (7th ISRBW) will bring together leading investigators from the China, US, Japan, European Union and other countries to discuss how new methodologies can be utilized for space radiation risk assessment and mitigation research. Four parts of the workshop will be devoted to discussions and organized as breakout group sessions.

The workshop topics include but are not limited to:

Session 1: Omics approaches in system radiation biology

Session 2: Radiation induced genetic and epigenetic changes

Session 3: Individual radiation sensitivity and radiation risk assessment

Session 4: Systems approaches to disease modeling and treatment on Earth and in space

In this workshop, invited interdisciplinary lectures will summarize the current knowledge in the fields of systems radiation biology, including discovery of mechanisms, development of disease models, radio-genomics, individual radiosensitivity, biophysics modeling, radiation biology and countermeasure development.

The previous workshop was held successfully and we are confident that 7th ISRBW will benefit from the same dedicated efforts and spirit of cooperation established at the meetings before. On behalf of all the organizers such as Dalian Maritime University (China) and Chinese Manned Space Agency, University of Nevada, Gunma University, Soochow University, Columbia University, we sincerely welcome you to 7th ISRBW and join us in September 28-30, 2019, Dalian, China.

2. Chairs & Committee

Workshop Chairs

- Francis A. Cucinotta (Department of Health Physics and Diagnostic Sciences, University of Nevada, Las Vegas, USA)
- Yeqing Sun (Institute of Environmental Systems Biology, Dalian Maritime University, Dalian, China)
- Tom K. Hei (Center for Radiological Research, Columbia University, New York, USA)
- Akihisa Takahashi (Gunma University Heavy Ion Medical Center, Japan)
- Guangming Zhou (School of Radiation Medicine and Protection, Soochow University, China)

Secretary-Generals

- Lei Zhao (Institute of Environmental Systems Biology, Dalian Maritime University, Dalian, China)
- Qian Zhao (Institute of Environmental Systems Biology, Dalian Maritime University, Dalian, China)

Organizers

- 1) Institute of Environmental Systems Biology, Dalian Maritime University, China
- 2) Chinese Manned Space Agency, China

Co-Organizers

- 1) Department of Health Physics and Diagnostic Sciences, University of Nevada, USA
- 2) Center for Radiological Research, Columbia University, USA
- 3) Gunma University Heavy Ion Medical Center, Japan
- 4) School of Radiation Medicine and Protection, Soochow University, China

International Scientific Committee

- Yinghui Li (China Astronaut Research and Training Center, Beijing, China)
- Mansoor Ahmed (National Cancer Institute, USA)
- Patrick Prasanna (National Cancer Institute, USA)
- Mary Helen Barcellos-Hoff (University of California, San Francisco, USA)
- Michael Atkinson (Helmholtz Zentrum Muenchen, Germany)
- Heiko Enderling (Moffitt Cancer Center, Florida, USA)
- Georg Illiakis (University of Duisburg-Essen, Medical School, Essen Germany)
- Yoshiya Shimada (NIRS, Chiba, Japan)
- Hiroshi Yasuda (Hiroshima University, Japan)
- Lijun Wu (Hefei Institutes of Physical Science, Chinese Academy of Sciences, Hefei, China)

- Chunli Shao (Institute of Radiation Medicine, Fudan University, Shanghai, China)
- Yulin Deng (Beijing Institute of Technology, Beijing, China)
- Pingkun Zhou (Institute of Radiation Medicine, Academy of Military Medical Sciences, Academy of Military Sciences, Beijing, China)
- Shenyi Zhang (National Space Science Center, Chinese Academy of Sciences, Beijing, China)

Sponsors

- 1) Dalian Maritime University, China
- 2) Chinese Manned Space Agency, China

3. Abstract Submission

All participants are encouraged to submit the abstract for 7th ISRBW to the e-mail of Dr. Lei Zhao (zhaol@dlmu.edu.cn) before April 12th, 2019. After reviewing, the organizer will send official acceptance notices and invitation letters to the participants after they provide relevant necessary information

4. Important Deadlines

- 1) April 1st, 2019: Abstract Submission
- 2) May 1st, 2019: Acceptance Notice
- 3) July 10th, 2019: Registration and Accommodation Reservation
- 4) Sept. 28 to 30th, 2019: 7th International Systems Radiation Biology Workshop

5. Instructions & Announcement

- 1) Registration Fee paid at Meeting with Credit Card preferred.

Full Delegate	400 USD
Student	150 USD
Accompanying Person	150 USD

*The registration fee will be used to hire a hall and equipment, provide all participants the breakfast, lunch buffet, and one banquet during the workshop, transfer participants between airport and hotel.

*Eight invited speakers will be reimbursed for their round-trip economy flight tickets and room and board for the duration of the meeting in Dalian.

2) Accommodations

Dalian Hi Chance Jianguo Hotel, No.507, Huangpu Road, Ganjingzi, 087760
Dalian, China



Standard room	65 USD/night
king-size room	90 USD/night

6. Contact Us

1) For general issues related to the workshop:

Dr. Lei Zhao

E-mail: zhaol@dlnu.edu.cn

Institute of Environmental Systems Biology, Dalian Maritime University,
Dalian, China

2) For programatic issues related to the workshop:

Dr. Qian Zhao

E-mail: zhaqiandlnu@163.com

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China