

To promote recovery from radiation disaster with international viewpoint

University program which helps students obtain practical skills



Chika MATSUMOTO Radioactivity Social Recovery Course (2nd year student)

Five years have passed since the Great East Japan Earthquake. When the disaster occurred, I was working in a Hiroshima-based humanitarian

aid organization. While seeing many people around me going to Tohoku to support the local people there, I didn't have the opportunity to participate in such activities because of my lack of ability to work for local people on the spot, and I felt frustrated every day. I then came across this program. One of the program's most prominent

features is its inter-disciplinary curriculum and global nature. This program offers many practical courses and events, including frequent fieldwork trips to Fukushima Prefecture. Another feature of this program is the fact that it often provides us with opportunities to learn from many disaster and radiation experts from

both Japan and abroad, as well as from Hiroshima University. I am now conducting studies on animal rescue in case of disaster from a social psychological perspective. I hope to make practical contributions not only from the standpoint of my specialization but also from diverse perspectives, in the case of disasters in the future.

Program Member

- Program Director: Genji AMANO, Research Institute for Radiation Biology and Medicine
- Program Coordinator: Masao OBARA, Graduate School of Biomedical & Health Sciences

Radiation Disaster Medicine Course

Course leader	Shinya MATSUURA
Naou ARA	Graduate School of Biomedical & Health Sciences
Naoki C. A. AMANO	Graduate School of Biomedical & Health Sciences
Naoshi NAJIMA	Graduate School of Biomedical & Health Sciences
Tetsu JOHNO	Graduate School of Biomedical & Health Sciences
Chisa S. U. UNAMI	Graduate School of Biomedical & Health Sciences
Motoyuki SUZUKI	Graduate School of Biomedical & Health Sciences
Yunko TANABE	Graduate School of Biomedical & Health Sciences
Ataru ASANO	Graduate School of Biomedical & Health Sciences
Teiji NISHIO	Graduate School of Biomedical & Health Sciences
Nozuyuki ROYAMA	Graduate School of Biomedical & Health Sciences
Nozaki S. MITSUDA	Graduate School of Biomedical & Health Sciences
Ion C. N. ANDO	Graduate School of Biomedical & Health Sciences
Ukihito ASANO	Research Institute for Radiation Biology and Medicine
Iroaki ONO	Research Institute for Radiation Biology and Medicine
Toshiya NAKAHARA	Research Institute for Radiation Biology and Medicine
Oshihiko TAJIMA	Research Institute for Radiation Biology and Medicine
Satoshi TASHIRO	Research Institute for Radiation Biology and Medicine
Akira OTSURU	Fukushima Medical University
Akira SAITOH	Fukushima Medical University
Naoki TANABE	Fukushima Medical University
Seiji ASUMURA	Fukushima Medical University
Oshio OSO	Tohoku University
Nozomu TAMURA	Nagasaki University
Oshiya S. MATSUDA	National Institute of Radiation Science
Otaro OBARA	Radiation Effects Research Foundation

Phoenix Adviser

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- Maya del-aha**
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- Yordon Sato**
Member of National Academy of Sciences / Manzanar Project
- Yuroo O**
Japanese Red Cross Society / Visiting Professor, Hiroshima University
- Tomoyoshi OBARA**
Minamisoma Municipal General Hospital / Visiting Professor, Hiroshima University

Radioactivity Environmental Protection Course

Course leader	Yoshiyuki S. UMA
Ironori UENO	Graduate School of Science
Naoshi UENO	Graduate School of Science
Satoru NAKASHIMA	Graduate School of Science
Takashi AMAMOTO	Graduate School of Science
Shuji TAJIMA	Graduate School of Science
Satoru NISHIO	Graduate School of Engineering
Takashi TSUCI	Graduate School of Engineering
Kenichiro NAKAHARA	Graduate School of Engineering
Kenichi TANABE	Graduate School of Engineering
Toshinori OBARA	Graduate School of Integrated Arts and Sciences
Toshihiro AMANO	Graduate School of Integrated Arts and Sciences
Norihisa ANDO	Graduate School of Biosphere Science
Takeshi NAKAHARA	Graduate School of Biosphere Science
Akira ATANA	Fukushima University

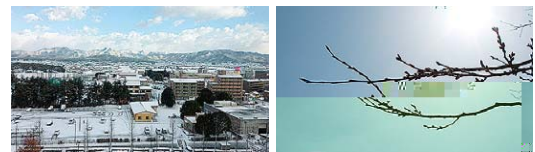
Radioactivity Social Recovery Course

Course leader	Yuriko S. ARA
Takehiro ARA	Graduate School of Education
Akiko OBARA	Graduate School of Education
Makoto ANA	Graduate School of Integrated Arts and Sciences
Iroshi NITONO	Graduate School of Integrated Arts and Sciences
Oshinori SUZUKI	Graduate School of Integrated Arts and Sciences
Makoto ATSUDA	Graduate School of Letters
Masayuki MITSUDA	Graduate School of Letters
Tomihiko NAKAHARA	Graduate School of Letters
Yoshiaki OBARA	Graduate School of Letters
Iroshi OBARA	Graduate School of Letters
Tsuneka UENO	Graduate School of Social Sciences
Yuki UENO	Graduate School of Biomedical & Health Sciences
Yujin TSUTSU	Fukushima University
Tamaki ONO	Fukushima University
Akiko ARANO	Fukushima University
Yuki OSANO	Fukushima University

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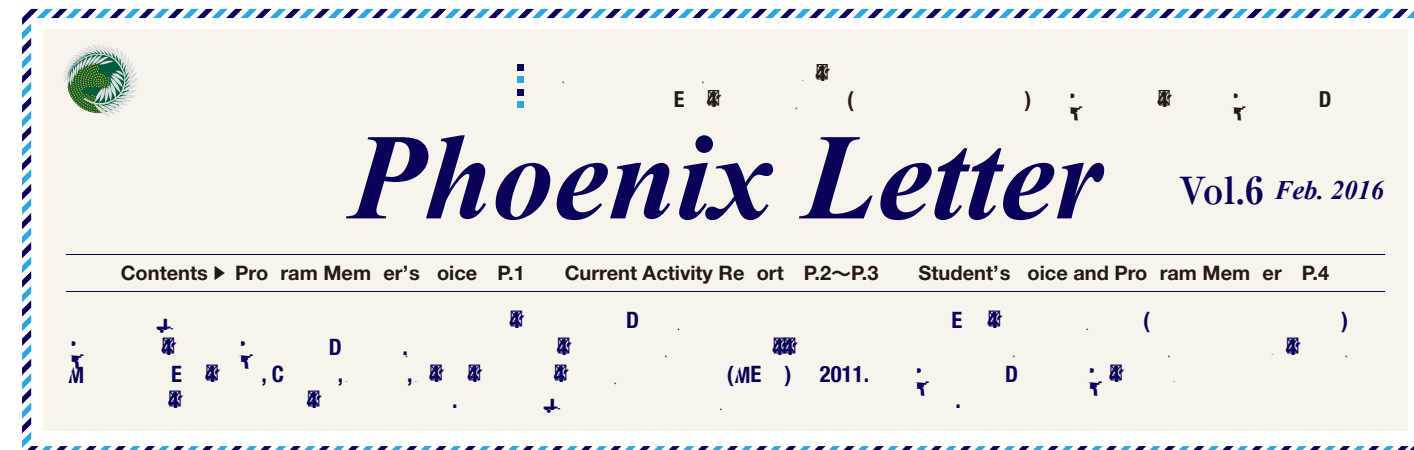
There was snow on Higashi Hiroshima Campus, but temperature is gradually rising and trees have started sprouting.



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Professor Satoru Nakashima

Here is the interview with Mr. Satoru Nakashima, Program member.

What kind of leaders are needed to support recovery from radiation disasters?

For example, teaching members of the Radioactivity Environmental Protection Course, which I'm taking part in, are from diverse academic backgrounds such as physics, chemistry, engineering or biology. They each bring their respective expertise into their approaches to support recovery from radiation disasters. As to environmental protection, there are many approaches. In addition, experts from medical and social scientific backgrounds apply different kinds of approaches to support recovery from radiation disasters.

People who suffered the nuclear disaster at Fukushima Dai-ichi nuclear power plant on March 11, 2011 must have many feelings about it. I think it is the leaders who must listen to their diverse feelings, engage in communication, discuss and understand a wide range of approaches to support recovery from radiation disasters, and seek and practice optimal resolutions using their own expertise.

How can students contribute to recovery from radiation disasters by studying in this Program?

Our Program has three pillars: the Radiation Disaster Medicine Course, Radioactivity Environmental Protection Course and Radioactivity Social Recovery Course. I'm working in a natural science field, and can easily understand the recovery from radiation disasters approached from the standpoint of environmental protection. I can also understand medical approaches since I

understand that radiation affects human bodies. One of the wonderful things about this Program is that it includes the Radioactivity Social Recovery Course and you can learn social scientific approaches to recovery from disasters. I myself am learning too.

Since students enrolled in the Program can take studies in all courses, it is extremely valuable for them that they will be able to understand approaches taken from a wide variety of standpoints. At the same time, students can delve deeply into their specialty in their respective specialized courses.

So after they acquire further expertise in their specialty and learn widely about approaches from other fields in our Program, I think they will be able to contribute to recovery from radiation disasters by seeking approaches using their own expertise while understanding approaches of other experts.

Would you give a message to students studying in the Program and those who wish to enroll in the Program?

Students in our Program attend classes of the Program while pursuing research in the graduate school that they belong to, to obtain a doctoral degree. For example, students in the field of chemistry need to undertake highly specialized research. That is, it is a very tough program with the paradox that students must deeply explore their specialty and study in interdisciplinary areas at the same time. However, I sincerely hope students will achieve both. And after completed the program, I'd like students to become global leaders in recovery from radiation disasters, utilizing their foundation as experts in their field and cooperating with other experts in a wide range of areas through discussion.



The Phoenix Leader Education Program held its 6th retreat at the Hiroshima International Youth House (Aster Plaza) on January 8 to 9, 2016. The purpose of the retreat was to bring together program members and guest speakers to review the achievements of the program students' studies and research thus far, and to discuss their expected future achievements. Thirty-eight people attended, including the program students and teaching staff.

Dr. Deguchi Hironori, chairperson of the student life committee, gave the opening address. The attendants were divided into five groups and they discussed the themes and the panel discussion of the upcoming international symposium in February.

On the second day, each group made their presentations based on the previous day's discussion. It was a very significant learning opportunity for the program students who share various research disciplines. Following these presentations the 5th students' and faculty opinion exchange meeting took place with active participation from the floor.

Lastly Dr. Kenji Kamiya, the Program Director, gave the closing address. This retreat ended successfully having provided the students with a good opportunity to improve their presentation and discussion skills as global leaders.

