SPACE RADIATION AND HEAVY IONS IN THERAPY SYMPOSIUM 2015
(Satellite Symposium of ICRR2015)

Including:
The 7th International Workshop on Space Radiation Research (IWSRR)
The 15th Workshop on Ion Beams In Biology and Medicine (IBIBAM)
The 2nd Japanese Association of Space Radiation Research Meeting (JASRR)

May 22-24, 2015
Osaka City University, Osaka, JAPAN
ORGANIZED BY JASRR & SRHITS

Sponsors: JSBSS, JRRS, JHPS, JAXA, NIRS

First Announcement: In May 2015, the ICRR2015 will be held in Kyoto. As there will be so many subjects, speakers of the meeting on space radiation will be limited to about ten speakers. So, we will open an international satellite meeting concerning Space Radiation in Osaka near Kyoto. The meeting will be held on May 20-23, 2015, just before the ICRR2015. It is organized by JASRR and SRHITS and recent research results will be discussed on space radiation and heavy ion therapy.

All participants will have time for oral presentation with the organizer promoting hot discussions of new results. We hope to have time for productive communication including young scientists of research on heavy ion effects in space and for therapy applications. JAXA is also planning space experiments using “KIBO” module with outer exposure platform that will be discussed at the meeting. International co-operative experiments will be welcome to discuss. Contact by e-mail; tmorita@med.osaka-cu.ac.jp
Please, mark the date of this satellite meeting in Osaka in your calendar, when you consider participation of ICRR2015 in Japan.
Organization

President: Takashi Morita (Osaka City Univ.) tmorita@med.osaka-cu.ac.jp
Honorary President or Vice President: Takeo Ohnishi (Nara Med. Univ.)
General Secretary: Kayo Yoshida

<table>
<thead>
<tr>
<th>Scientific Committee:</th>
<th>Local Committee (Japanese):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angerer, Oliver (Netherlands)</td>
<td>Hidema, Jun (Tohoku Univ.)</td>
</tr>
<tr>
<td>Bailey, Suzan (USA)</td>
<td>Kamata, Tadashi (NIRS)</td>
</tr>
<tr>
<td>Barcellos-Hoff, Mary Helen</td>
<td>Majima, Hideyuki (Kagoshima Univ.)</td>
</tr>
<tr>
<td>(USA)</td>
<td></td>
</tr>
<tr>
<td>Chen, David (USA)</td>
<td>Mitani, Hiroshi (Univ. of Tokyo)</td>
</tr>
<tr>
<td>Cucinotta, Francis A. (USA)</td>
<td>Nagamatsu, Aiko (JAXA)</td>
</tr>
<tr>
<td>Durante, Marco (Germany)</td>
<td>Nakano, Takashi (Gunma Univ.)</td>
</tr>
<tr>
<td>Hada, Megumi (USA)</td>
<td>Takahashi, Akihisa (Gunma Univ.)</td>
</tr>
<tr>
<td>Kronenberg, Amy (USA)</td>
<td></td>
</tr>
<tr>
<td>Limoli, Charlie (USA)</td>
<td>Uchihori, Yukio (NIRS)</td>
</tr>
<tr>
<td>Nelson, Gregory (USA)</td>
<td>Yonekura Yoshiharu (NIRS)</td>
</tr>
<tr>
<td>Reitz, Guenther (Germany)</td>
<td></td>
</tr>
<tr>
<td>Sun, Yeqing (China)</td>
<td></td>
</tr>
</tbody>
</table>
# Time Schedule of Registration and Abstract Submission

## Abstract submission: Jan 1 - Feb 30, 2015

<table>
<thead>
<tr>
<th>Early registration: Jan 1 - Feb 30, 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participant</td>
</tr>
<tr>
<td>Accompany person</td>
</tr>
<tr>
<td>Excursion*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Late registration: Mar 1, 2015-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participant</td>
</tr>
<tr>
<td>Accompany person</td>
</tr>
<tr>
<td>Excursion*</td>
</tr>
</tbody>
</table>

Place:

The meeting will be held in Osaka City University in the center of Osaka City. It is located near to Tennoji Station and you can arrive there from Kansai International Airport within 1hr by train or by limousine bus. The station and bus stop is within 10 min walk to hotels and Osaka City University. You can also come from Narita or Haneda Airport using domestic airlines (1 hr) to or Shinkansen super express (2.5 hr) to Osaka. You can go to Kyoto for ICRR 2015 about 1-1.5 hr and go to Nara, or Himeji within 1-2 hr by train for excursions.

Osaka City University, Graduate School of Medicine (http://www.med.osaka-cu.ac.jp/e-index.shtml)

Campus Access: http://www.med.osaka-cu.ac.jp/abeno/e-access.shtml

Access from Kansai International Airport which is situated 50 km from the center of Osaka city. It is easily accessible by railway and bus. http://www.kansai-airport.or.jp/en/access/index.html


Bus: Bound for Abeno Harukas (Tennoji)
(http://www.kate.co.jp/pc/e_time_table/e_harukas_tt.html#from)

Access Map
## Program Overview in May 20-23, 2015

<table>
<thead>
<tr>
<th></th>
<th>May 22 (Fri)</th>
<th>May 23 (Sat)</th>
<th>May 24 (Sun)</th>
<th>May 25-29 (Mon-Thu)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>8:30</strong></td>
<td>(Registration)</td>
<td>Registration</td>
<td></td>
<td>Moving to Kyoto</td>
</tr>
<tr>
<td><strong>9:00</strong></td>
<td>Moving from Tokyo to Osaka or Excursion in Osaka, Biology</td>
<td>Biology</td>
<td>Biology Dosimetry</td>
<td>&lt;1.5 hr</td>
</tr>
<tr>
<td><strong>12:30</strong></td>
<td>Lunch</td>
<td></td>
<td>Lunch</td>
<td>ICRR 2015 In Kyoto</td>
</tr>
<tr>
<td><strong>13:30</strong></td>
<td>Medical Physics</td>
<td>Medical Physics</td>
<td>Special Lecture</td>
<td></td>
</tr>
<tr>
<td><strong>15:00</strong></td>
<td>Registration</td>
<td>Biology Dosimetry</td>
<td>Discussion about space experiments</td>
<td></td>
</tr>
<tr>
<td><strong>18:00</strong></td>
<td>Welcome Party or Open lecture</td>
<td>Conference Dinner</td>
<td>Moving to Kyoto or Stay in Osaka</td>
<td></td>
</tr>
</tbody>
</table>

Biology 1: Simulation and modeling for high-LET (or heavy-ion) radiobiology
Biology 2: High-LET (or heavy-ion) radiobiology *in vitro*
Biology 3: High-LET (or heavy-ion) radiobiology *in vivo*
Biology 4: Biological effects for low-dose/low-dose-rate radiation
Biology 5: Cellular responses for low-dose/low-dose-rate radiation; non-targeting effects, adaptive response and genomic instability
Biology 6: Molecular mechanisms for bystander effects, adaptive response and genomic instability
Programs

Day 1
Moving from Tokyo to Osaka,
Excursion,
Registration & Welcome Party

Day 2
Heavy Ion Induced Damage Response
Damage Processing after Heavy Ion Exposure,
Status reports on Accelerators, Therapy Facilities and Clinical Data
Conference Dinner

Day 3
Biological and Biophysical Models
Non-Cancer Effect of Heavy Ion Exposure
Counter Measurements
Excursions

Himeji Castle in Himeji
2 hr

Kinkakuji in Kyoto
1.5 hr

Osaka City University

Horyuji in Nara
40 min

Todaiji in Nara
45 min