

INTERNATIONAL OPEN LABORATORY SYMPOSIUM 2017

(v. 170209)

The activities and status of the four Cores of the “International Open Laboratory” will be introduced.

Date 28 Feb, 2017 13:00-18:00

Venue Lecture Hall, 2nd floor of Research Building for Charged Particle Therapy,
National Institute of Radiological Sciences
National Institutes for Quantum and Radiological Science and Technology
Anagawa 4-9-1, Inage-ku, Chiba,
<http://www.qst.go.jp>

Program (tentative)

- | | *not confirmed |
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| 1. Opening remarks (Toshio Hirano, QST) | 13:00-13:10 |
| 2. Brief summary of IOL (Takeshi Murakami, NIRS) | 13:10-13:20 |
| 3. Report of Research Cores (Chair: Toshiyuki Kohno*, Tokyo Insti Tech) | |
| ◆ Impact of heavy-ion irradiation on stem cells and tissue regeneration | 13:20-14:00 |
| ● Takashi Shimokawa (NIRS) | |
| ● Maria Kasper (Karolinska Institutet, Sweden) | |
| ◆ Studies on radiation-induced defensive cellular communication using SPICE-NIRS
microbeam | 14:00-14:40 |
| ● Teruaki Konishi (NIRS) | |
| ● Jun Wang (CAS Key Lab of Ion Beam Bio-engi, China) | |
| ◆ Radiation damage mechanism at the molecular level approached with
physiochemical technologies | 14:40-15:20 |
| ● Satoshi Kodaira (NIRS) | |
| ● Remi Barillon (Univ Strasbourg, France) | |
| Coffee break | 15:20-15:50 |
| (Chair: Takeji Sakae*, Univ Tsukuba) | |
| ◆ Whole gamma imaging | 15:50-16:30 |
| ● Taiga Yamaya (NIRS) | |
| ● Katia Parodi (Ludwig-Maximilians-Universität München, Germany) | |
| 4. Other international collaborations (Chair: Shigekazu Fukuda, NIRS) | |
| ◆ Radiation Protection Week 2016 (Tatsuhiko Imaoka, NIRS) | 16:30-16:50 |

- ◆ Project of "Charged Particle and Photon Interactions with Matter"(1995-2011)
as motivated by IAEA Project of "Atomic & Molecular Data for Radiotherapy and
Radiation Research"(1985-1995) (Yoshihiko Hatano, Tokyo Inst Tech)16:50-17:10
5. Expectations and comments (Chair: Naruhiro Matsufuji, NIRS)
- ◆ How can we have exciting science in radiation research? (Ohtsura Niwa, Radiat
Ef Res Founda) 17:10-17:20
 - ◆ (Hirohiko Tsujii, NIRS) 17:20-17:30
 - ◆ Audience volunteer 1 17:30-17:40
 - ◆ Audience volunteer 2 17:40-17:50
6. Concluding remarks (Hiromi Shibata, Osaka Univ) 17:50-18:00