

List of Scientific Lectures, Seminars, Colloquia and Workshops

Scientific Lectures and Seminars Presented at RERF

1 April 2015 –31 March 2016

The following presentations were made during the fiscal year by researchers internal and external to RERF at the Hiroshima Laboratory. They appear in chronological order.

2 April 2015, **Masaharu Tsubokura**, Researcher, The Institute of Medical Science, The University of Tokyo, Visiting physician, Minamisoma Municipal General Hospital: “Medical Assistance for the 23 km Zone after the Fukushima Dai-ichi Nuclear Disaster”

17 April 2015, **Harry M. Cullings**, Chief, Department of Statistics, Radiation Effects Research Foundation, The 290th Hiroshima Statistics Study Group Meeting: “Dose Estimates Resulting from Improved Location and Terrain Shielding Data for the Japanese Atomic Bomb Survivors”

15 May 2015, **Akihiro Fujimoto**, Senior Scientist, Laboratory for Medical Science Mathematics RIKEN, Center for Integrative Medical Sciences(IMS): “Development of a method to identify microsatellite mutations and its application to cancer genome data”

20 May 2015, **Jolyon H. Hendry**, Formerly, Gray Institute for Radiation Oncology and Biology, University of Oxford, UK: "A new ICRP report: Stem cell biology with respect to carcinogenesis aspects of radiological protection"

21 May 2015, **Nancy R. Manley**, Professor, Department of Genetics, Chair, Developmental Biology Alliance, Director, Integrated Life Sciences Graduate Program, University of Georgia: “The Rise and Fall of the Thymic Microenvironment”

5 June 2015, **Yasunori Fujikoshi**, Emeritus Professor of Hiroshima University, Advisor of the Hiroshima University Statistical Science Research Core, The 291st Hiroshima Statistics Study Group Meeting: “Consistency of Estimation Criteria of Dimensionality in Principal Component Analysis”

8 June 2015, **Ryuichi Sugino**, Post-Doctoral Fellow of JSPS, Department of Biology, Faculty of Sciences, Kyushu University: “Genetics and evolutionary studies in genome-era”

10 June 2015, **Benjamin French**, Assistant Professor, Department of Biostatistics and Epidemiology, Perelman School of Medicine, University of Pennsylvania: “Development and evaluation of prognostic models in longitudinal studies”

3 July 2015, **Yu Inatsu**, Department of Mathematics, Graduate School of Science, Hiroshima University, The 292nd Hiroshima Statistics Study Group Meeting: “Asymptotic expansions of the null distribution of the likelihood ratio test statistic for a random-effects covariance structure in a parallel profile model”

2 October 2015, **John B. Cologne**, Senior Scientist, Department of Statistics, Radiation Effects Research Foundation, The 293rd Hiroshima Statistics Study Group Meeting: “Effects of omitting non-confounding predictors from general risk models for binary outcome data”

6 November 2015, **Hirofumi Wakaki**, Professor, Department of Mathematics, Graduate School of Science, Hiroshima University, The 294th Hiroshima Statistics Study Group Meeting: “ Corrected AIC for a GMANOVA model with random coefficients”

10 November 2015, **James E. Trosko**, Emeritus Professor, Department of Pediatrics and Human Development, Michigan State University, USA: “Understanding the origin of cancer to prevent and

treat cancers: The stem cell or reprogramming or differentiation hypothesis?: Roles of mutations, epigenetics & the Barker hypothesis”

1 December 2015, **David G. Hoel**, Distinguished University Professor, Department of Medicine, Medical University of South Carolina, and Principal Scientist, Exponent Inc.: “Dose and Dose Rate Effects in Radiation Cancer Risk Estimation”

4 December 2015, **Masao Ueki**, Biostatistics Center, Kurume University, The 295th Hiroshima Statistics Study Group Meeting: “Smooth-threshold multivariate genetic prediction with unbiased model selection”

18 December 2015, **Gertraud Maskarinec**, Professor (Researcher) and Full Member, Cancer Epidemiology Program, University of Hawaii Cancer Center, USA: “The Impact of Adiposity on Diabetes and Breast Cancer: Is there a Difference between Asians and Whites?”

15 January 2016, **Shintaro Hashimoto**, Specially Appointed Assistant Professor, Department of Mathematics Graduate School of Science, Hiroshima University, The 296th Hiroshima Statistics Study Group Meeting: “On some Bayesian information inequalities”

10 February 2016, **Bernd Grosche**, Head, Division of "Effects and Risks of Ionizing and Non-Ionizing Radiation", Federal Office for Radiation Protection (BfS), Germany: “The European Low-doses Initiative (MELODI): Background, Current Situation and Future Directions”

25 March 2016, **Hiroko Kitamura**, Research Associate, Department of Work Systems and Health, Institute of Industrial Ecological Sciences, University of Occupational and Environmental Health: “Introduction of recent work: Toner study and HR (heart rate) study”

RERF Colloquiums

1 April 2015 – 31 March 2016

Rather than formal seminars, RERF Colloquia are presentations mainly focused on preliminary or ongoing studies, with the aim of obtaining constructive ideas from RERF researchers.

17 April 2015, **Daisuke Haruta**, Fixed-term Research Scientist, Division of Medicine, Department of Clinical Studies, Nagasaki Laboratory, “ECG Studies at RER”

15 May 2015, **Kotaro Ozasa**, Chief, Department of Epidemiology, “Acute radiation symptoms and rain after the bombings in the LSS”

10 July 2015, **Young Min Kim**, Research Scientist, Department of Statistics, “General Explanation of Causal Inference and Power Analysis Based on the “Mediation Proportion”

21 August 2015, **Nori Nakamura**, Consultant, Department of Genetics, “Estimation of radiation dose using teeth and chromosomes”

2 October 2015, **Kengo Yoshida**, Research Scientist, Molecular Biosciences (Dept. of Radiobiology/Molecular Epidemiology), “Long-term effects of radiation exposure and metabolic status on T-cell immune system”

16 October 2015, **Yoshimi Tatsukawa**, Chief, Division of Medicine, Department of

Clinical Studies, “Research of ionizing radiation effects on diabetes”

5 November 2015, **Eric Grant**, Assistant Chief, Department of Epidemiology, Hiroshima, “Solid cancer incidence among atomic bomb survivors: Updated radiation risk estimates based on new dosimetry and follow-up through 2009”

18 December 2015, **John B. Cologne**, Senior Scientist, Department of Statistics, “Sabbatical at the University of Hawaii Cancer Center (UHCC), May 4-June 26, 2015”

29 January 2016, **Mieko Kodaira**, Research Scientist (Adjunct Specialist), Department of Molecular Biosciences, “Can we distinguish radiation-associated mutations from spontaneous ones?”

Workshops

January 2015 – January 2016

1. RERF Workshop: Storage and Use of Biosamples

Date: February 17, 2015

Place: RERF Auditorium, Hiroshima

Guest Presentations (Presentation order):

Takayuki Morisaki, Director, Department of Bioscience and Genetics, National Cerebral and Cardiovascular Center Research Institute

“Ethical, legal, and social issues (ELSI) involving biobanks: Progress in Japan and move toward international standardization”

Atsushi Hozawa, Professor, Tohoku Medical Megabank Organization, Tohoku University

“Tohoku Medical Megabank Organization’s project: Present status of cohort study”

Naoko Minegishi, Professor, Tohoku Medical Megabank Organization, Tohoku University

“Biobank management system of Tohoku Medical Megabank Organization”

RERF Presentations:

Yoshiaki Kodama, Director, Biosample Center

“Outline of RERF research, introduction of RERF Biosample Center, and aims of the workshop”

Tomonori Hayashi, Assistant Department Chief, Department of Radiobiology/Molecular Epidemiology

“Present status of sample storage at RERF”

Other Guest Participant:

Masahiro Nakashima, Professor, Department of Tumor and Diagnostic Pathology, Atomic Bomb Disease Institute, Nagasaki University

2. Initial Planning Meeting: RERF Working Group on Revised Organ Dosimetry

Date: May 20-21, 2015

Place: RERF Epi./Stat. Conference Room, Hiroshima

Guest Presentations (Presentation order):

Stephen D. Egbert, Senior Scientist, LEIDOS, Inc.

“DS86/DS02’s existing shielded fluences, method of adjoint MC calculation, and leakage tables”

Nolan E. Hertel, Professor of Nuclear and Radiological Engineering, George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, and Center for Radiation Protection Knowledge, Oak Ridge National Laboratory
“Considerations for new calculations of organ dose using existing DS02 fluences”

Jeffrey O. Johnson, Director, Nuclear Threat Initiative, Global Security Directorate, Oak Ridge National Laboratory
“Possible use of MASH or other adjoint computational methods for new calculations with old and new phantoms”

Akira Endo, Deputy Director General, Nuclear Science and Engineering Center, Sector of Nuclear Science Research, Japan Atomic Energy Agency
“JAERI research on relevant radiation transport calculations; ICRP/ICRU Adult Reference Computational Phantoms”

RERF Presentation:

Harry M. Cullings, Chief, Department of Statistics, Hiroshima
“RERF draft plan for revised organ dosimetry”

Other Guest Participant:

Tetsuji Imanaka, Assistant Professor, Research Reactor Institute, Kyoto University

3. Second Planning Meeting: Joint U.S.-Japan Organ Dose Working Group

Date: December 14-15, 2015

Place: RERF Auditorium, Hiroshima

No Presentations (Discussion only)

Guest Participants (Random order):

Nolan E. Hertel, Professor of Nuclear and Radiological Engineering, George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, and Center for Radiation Protection Knowledge, Oak Ridge National Laboratory

Jeffrey O. Johnson, Director, Nuclear Threat Initiative, Global Security Directorate, Oak Ridge National Laboratory

Stephen D. Egbert, Senior Scientist, LEIDOS, Inc.

Wesley E. Bolch, Professor, Biomedical & Radiological Engineering, University of Florida

Tetsuji Imanaka, Assistant Professor, Research Reactor Institute, Kyoto University

Akira Endo, Deputy Director General, Nuclear Science and Engineering Center, Sector of Nuclear Science Research, Japan Atomic Energy Agency

Fumiaki Takahashi, Group Leader, Nuclear Science and Engineering Center, Sector of Nuclear Science Research, Japan Atomic Energy Agency

Daiki Satoh, Researcher, Nuclear Science and Engineering Center, Sector of Nuclear Science Research, Japan Atomic Energy Agency

Takuya Furuta, Researcher, Nuclear Science and Engineering Center, Sector of Nuclear Science Research, Japan Atomic Energy Agency

Satoru Endo, Professor, Graduate School of Engineering, Hiroshima University

Hiroshi Yasuda, Professor, Research Institute for Radiation Biology and Medicine, Hiroshima

University

Kenichi Tanaka, Associate Professor, Graduate School of Engineering, Hiroshima University