

List of Scientific Lectures, Seminars, Colloquia and Workshops

Scientific Lectures and Seminars Presented at RERF

1 April 2018 –31 March 2019

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.

Tomoki Nakamizo, Chief physician, Department of Neurology, Yokohama Brain and Spine Center, Japan: “Freedom-from-Event Effect (FEE) in Stroke Risk in Atrial Fibrillation” 31 May 2018

Kazutaka Doi, Professor, Senior Researcher, National Institute of Radiological Sciences (NIRS), National Institutes of Quantum and Radiological Sciences and Technology (QST), Japan: “Statistical challenges in radiation epidemiology: from software development to new statistical models” 26 June 2018

Mariko Yamamura, Lecturer, Graduate School of Education, Hiroshima University, Japan: “My Research History” 2 July 2018

Meredith Yeager, Scientific Director, Cancer Genomics Research Laboratory, Division of Cancer Epidemiology and Genetics, US National Cancer Institute, USA: “Genomic studies conducted in the Division of Cancer Epidemiology and Genetics at the US National Cancer Institute” 5 July 2018

Philip Montgomery, Head of McGovern Historical Center, Texas Medical Center Library, USA: “Clash of Science and Culture: the origins of the ABCC and the need for access to records” 20 July 2018

Sangchoon Jeon, Research Scientist, School of Nursing, Yale University, USA: “Latent Class Models in Evaluation of Multidimensional Symptoms in Cancer Patients” 13 September 2018

Benjamin French, Assistant Chief/Acting Chief, Department of Statistics, RERF: “Unmeasured confounding in studies of atomic bomb survivors” 10 October 2018

Carmen D. Tekwe, Assistant Professor, Department of Epidemiology & Biostatistics, School of Public Health, Texas A&M Health Science Center, USA: “Functional Multiple Indicators, Multiple Causes Measurement Error Models” 29 November 2018

Robert Grossman, Professor of Medicine and Computer Science, University of Chicago, USA: “Building a Data Commons Using Gen3” 7 January 2019

Richard Sposto, Professor of Research, Preventive Medicine and Pediatrics (CHLA), Keck School of Medicine, University of Southern California, USA: “The Effect of Patient and Contextual Characteristics

on Racial/Ethnic Disparity in Breast Cancer Mortality” 15 January 2019

Naohiro Kato, Project Assistant Professor, Research Center for Medical Health Data Science, The Institute of Statistical Mathematics, Japan: “Ranking Method via Hierarchical Mixed Model in Large Scale Inference” 16 January 2019

Christy Henshaw, Digital Production Manager Wellcome Collection, UK: “Digital Engagement at Wellcome Collection” 5 March 2019

Joachim Schuz/Evgenia Ostroumova/Ljubica Zupunski, International Agency for Research on Cancer, Franch: “Environmental and Radiation research at the International Agency for Research on Cancer” 11 March 2019

RERF Colloquia

1 April 2018 —31 March 2019

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.

18 May 2018, **Harry M. Cullings**, Chief, Department of Statistics, “Research on Dosimetry at RERF—Past, Present and Future”

20 July 2018, **Yasunari Satoh**, Research Scientist, Department of Molecular Biosciences, “Genome-wide analysis of transgenerational genetic effects of radiation exposure in mice”

14 September 2018, **Alina Brenner**, Senior Research Scientist and **Mai Utada**, Research Scientist, Department of Epidemiology, “Radiation risk of cancers of the breast and uterine corpus, association with tissue stem cells with female reproductive”

21 December 2018, **Waka Ohishi**, Chief, Department of Clinical Studies, “A nested case-control study of gastric cancer among atomic-bomb survivors using stored sera”

Workshops

1 April 2018 —31 March 2019

1. Exchange Seminar of ICRP members with RERF scientists

Date: December 10, 2018

Place: RERF Auditorium, Hiroshima

Guest Presentations (Presentation order):

Werner Ruehm, Helmholtz Center Munchen, Germany
“Research need for radiation protection”

Michael Hauptmann, Netherlands Cancer Institute, Netherlands

“Radiation exposure from pediatric CT scans and cancer risk”

Andrzej Wojcik, Centre for Radiation Protection Research, Stockholm University, Sweden
“Biological effectiveness of very high gamma dose rate”

RERF Presentations:

Ritsu Sakata, Assistant Chief, Department of Epidemiology
“Upper gastrointestinal tract cancer among LSS”

Atsuko Sadakane, Senior Scientist, Department of Epidemiology
“Intrinsic subtypes of radiation-associated breast cancer among female atomic bomb survivors”

Misa Imaizumi, Assistant Chief, Department of Clinical Studies, Nagasaki Laboratory
“Thyroid diseases in childhood exposure”

Kengo Yoshida, Chief, Immunology Laboratory, Department of Molecular Biosciences
“Longitudinal analyses of clinical data and biosamples”

Kanya Hamasaki, Research Scientist, Department of Molecular Biosciences
“Fetal hematopoietic stem cells are hyposensitive to radiation for induction of persisting chromosome aberrations—how are the damaged cells eliminated?”

John Cologne, Senior Scientist, Department of Statistics
“Plan for re-analysis of peripheral blood lymphocyte chromosome aberration frequencies in the in utero exposed survivors”

Arikuni Uchimura, Chief, Molecular Genetics Laboratory, Department of Molecular Biosciences
“Germline de novo mutations in laboratory mice”

Other Guest Participants:

Kimberly E. Applegate, University of Kentucky, USA

Michel Bourguignon, University of Paris Saclay (UVSQ) and IRSN, France

Claudia E. Ruebe, Saarland University, Germany

Michiaki Kai, Oita University, Japan

Christopher H. Clement, ICRP Scientific Secretary, Canada

Hiroki Fujita, ICRP Assistant Scientific Secretary, Canada

Isao Kawaguchi, ICRP Intern, Canada/NIRS, Japan

2. ICRP-QST-RERF Workshop on Individual Response to Ionising Radiation

Date: December 12, 2018

Place: National Cancer Center Research Institute

Organised by the International Commission on Radiological Protection (ICRP), National Institutes for Quantum and Radiological Science and Technology (QST), and Radiation Effect Research Foundation (RERF)

In collaboration with National Cancer Center Japan (NCC), Japanese Society for Radiation Oncology (JASTRO), Japan Radiological Society (JRS), Japan Health Physics Society (JHPS) and the Japanese

Radiation Research Society (JRRS)

Guest Presentations (Presentation order)

Werner Ruehm and **Kimberly E. Applegate**, Helmholtz Center Munich, Germany (Ruehm) and University of Kentucky, USA (Applegate)
“Setting the Scene”

Andrzej Wojcik, Centre for Radiation Protection Research, Stockholm University, Sweden
“Human Individual Radiation Sensitivity and Prospects for Prediction Factors”

Michael Hauptmann, Netherlands Cancer Institute, Netherlands
“Genetic susceptibility to radiation induced breast cancer after Hodgkin Lymphoma”

Michel Bourguignon, University of Paris Saclay (UVSQ) and IRSN, France
“Radiosensitivity and radiotherapy patients”

Yumiko Suto, National Institute of Radiological Sciences, National Institutes for Quantum and Radiological Science and Technology, Japan
“Individual difference of chromosome aberration in accidentally exposed workers”

Hiroshi Onishi, University of Yamanashi, Japan
“Individual difference of post irradiated antitumor effect and lung damage in patients with lung cancer”

Masaaki Akahane, School of Medicine, International University of Health and Welfare, Japan
“Individual variation in clinical practices and protocols”

RERF Presentations:

Alina Brenner, Senior Scientist, Department of Epidemiology
“Age-dependence of breast cancer risk”

Kotaro Ozasa, Chief, Department of Epidemiology
“Lifestyle-related cancer risk: Smoking and cancer”

3. International Workshop: Clonal hematopoiesis and radiation-associated diseases

Date: January 10-11, 2019

Place: RERF Auditorium, Hiroshima

Guest Presentations (Presentation order):

Masataka Taguchi and Yasushi Miyazaki, Nagasaki University Hospital (Taguchi) and Atomic Bomb Disease Institute, Nagasaki University (Miyazaki), Japan
“Hematological malignancies in atomic bomb survivors”

Koichi Takahashi, The University of Texas MD Anderson Cancer Center, USA
“Leukemic potential of clonal hematopoiesis and the association with external stressors”

Adam Sperling, Dana-Farber Cancer Institute, USA
“Clonal hematopoiesis in malignant and non-malignant disease”

Hiroshi Haeno, The Japanese National Cancer Center East Hospital, Japan
“Mathematical modeling of the cell of origin in myeloid malignancies”

Toshiaki Ohteki, Tokyo Medical and Dental University, Japan
“Identification of a human monocyte progenitor”

Jose Fuster, Spanish National Center for Cardiovascular Research, Spain
“Somatic mutation-driven clonal hematopoiesis: a new player in atherosclerotic and cardiometabolic disease”

Yumiko Oishi, Nippon Medical School, Japan
“Coordinated mechanism of cellular metabolism and inflammatory response in macrophage”

Serge Candéias, Biosciences and Biotechnology Institute of Grenoble, France
“Dynamics of the antigenic T cell receptor repertoire in response to radiation exposure and during ageing”

RERF Presentations:

Kotaro Ozasa, Chief, Department of Epidemiology
“Overview of Epidemiological Studies at RERF”

Kengo Yoshida and **Munehika Misumi**, Chief, Immunology Laboratory, Department of Molecular Biosciences (Yoshida) and Research Scientist, Department of Statistics (Misumi)
“Plans and preliminary data for clonal hematopoiesis studies at RERF”

Observer:

Yasuhito Nannya, Kyoto University, Japan