Version 09/02/2025

2nd ISoRED SCIENTIFIC CONFERENCE

Hybrid Format

9-11 SEPTEMBER 2025

LYON, FRANCE

AGENDA

IARC
25 avenue Tony Garnier 69007 Lyon

Day 1, September 9

Time	Session
7:45 – 8:45	*Registration*
8:45 – 9:00	**Welcome Remarks from IARC Director, ISoRED Chairs, CLARA representative**
9:00 – 10:25	**Session 1 Late Effects Following Radiotherapy (non-paediatric)**
9:00-9:25	**Keynote speaker: Amy Berrington (The Institute of Cancer Research, UK)**
9:25-9:40	Risk of subsequent breast cancer associated with chest radiation field and dose among female childhood cancer survivors: a report from the International Consortium for Pooled Studies on Subsequent Malignancies. Yuehan Wang (National Cancer Institute, USA) – early career scientist (ECS)
9:40-9:55	Risk of contralateral breast cancer after radiotherapy and hormonal therapy in two cohorts of US breast cancer survivors. Lene Veiga (National Cancer Institute, USA)
9:55-10:10	Longitudinal Changes in Inflammatory Biomarkers and Early Coronary Artery Calcification Following Radiotherapy for Breast Cancer: Findings from the BACCARAT Study. Sophie Jacob (ASNR, France)
10:10-10:25	General discussion
10:25 – 10:55	*Coffee break / Group Photo*
10:55 – 12:30	**Session 2 Late Effects Following Radiotherapy (paediatric)**
10:55-11:10	Homologous Recombination Germline Variants and Radiotherapy-Related Subsequent Neoplasm Risk After Childhood Cancer: A Pooled Analysis in Two Large Cohorts. Lindsay Morton (National Cancer Institute, USA)
11:10-11:25	Intra-individual vs inter-individual variation in radiosensitivity of peripheral blood mononuclear cells of patients with primary and second primary cancer. Andrzej Wojcik (Stockholm University, Sweden) ONLINE
11:25-11:40	Pooled analysis of risk of new primary glioma following treatment for childhood cancer. Todd Gibson (National Cancer Institute, USA)

11:40-11:55	Risk factors for valvular heart disease among childhood cancer survivors: a PanCareSurFup and ProCardio nested case-control study. Rivalin Aho Glele (Inserm, Gustave Roussy, University of Paris-Saclay, Villejuif, France) - ECS
11:55-12:15	General discussion
12:15-12:30	**Posters Flash Talks** #14. AI's contribution to medical radiation dosimetry, risk assessment and improving patient outcomes. *Zakaria Tahiri (Faculty of Medicine and Pharmacy of Tangier, Abdelmalek Essaâdi University, Morocco) VIRTUAL* #52. Lu-PSMA-Dose, a French retrospective multicentric dosimetry study of 177Lu-PSMA treatments for metastatic castration-resistant prostate cancer. *Stephanie Lamart (ASNR, France)* #58. Predicting long-term absolute risk of lung cancer in Hodgkin lymphoma patients by incorporating treatment information. *Shahin Roshani (Netherlands Cancer Institute, The Netherlands) – ECS* #30. Projected lifetime second cancer risks in pediatric and adult patients treated with radioactive iodine for first primary differentiated thyroid cancer. *Cari Kitahara (National Cancer Institute, NCI)* #75. Risk of second cancers after hypofractionated radiotherapy among breast cancer survivors in England. *Imogen Sawyer (The Institute of Cancer Research, UK)* - ECS #86. A whole-body in vivo dosimetry dataset for radiation induced toxicities studies. *Meïssane M'hamdi (UMR1030 Gustave Roussy, France)* – ECS
12:30 – 14:30	*Lunch*
14:30 – 16:25	**Session 3 Medical Radiation Dosimetry**
14:30-14:55	**ECS Keynote speaker: Sergio Morato Rafet (National Cancer Institute, USA)** Validation of a Deep Learning-Based Auto-Segmentation Method for Organ Dose Estimation in Pediatric Radiotherapy Epidemiological Research.
14:55-15:10	Contralateral breast dose from breast cancer radiotherapy in the United States. Choonsik Lee (National Cancer Institute, USA) ONLINE
15:10-15:25	Dose and dose-volume reconstruction workflow for a pediatric patient population treated with passive scattering proton radiotherapy. Keith Griffin (National Cancer Institute, USA) - ECS
15:25-15:40	Sensitivity of reconstructed proton therapy patient dose estimates to physics modelling choices within the Pediatric Proton and Photon Therapy Comparison Cohort. Caroline Esposito (National Cancer Institute, USA) - ECS
15:40-15:55	Experimental validation of the whole-body dose computation system developed for the HARMONIC patient database. Isabelle Thiery-Chef on behalf of Lorenzo Brualla (Westdeutsches Protonentherapiezentrum Essen, Germany)

15:55-16:10	Completion of retrospective out-of-field radiotherapy dose reconstruction for patients in the National Wilms Tumor Study. Matthew Mille (National Cancer Institute, USA)
16:10-16:25	General discussion
16:25 – 16:45	*Coffee break*
16:45 -18:00	**Session 4 Late Effects Following X-Ray Procedures**
16:45-17:00	The HARMONIC project: Joint European epidemiological cohort to assess radiation doses and associated cancer risks following cardiac fluoroscopy in childhood. Marie-Odile Bernier (ASNR, France)
17:00-17:15	Alterations in mitochondrial DNA Copy Number and Telomere Length after pediatric cardiac catheterization procedures: evidence from the HARMONIC Study. Maria Grazia Andreassi (CNR Institute of Clinical Physiology, Italy)
17:15-17:30	Radiation Induced Cancer Risks, and Benefit-Risk Assessment of Lung Cancer Screening by Low-Dose Computed X-Ray Tomography in the French Smoking Population: Impact of Varying Smoking Behaviors scenarios. Nicolas Minier (Autorité de Sûreté Nucléaire et de Radioprotection, France) – ECS VIRTUAL
17:30-17:45	Medical Imaging and Pediatric and Adolescent Hematologic and Brain Cancer Risks in the RIC (Radiation Induced Cancer) North American Cohort. Rebecca Smith Bindman (University San Francisco, USA)
17:45-18:00	General discussion

18:00-18:20	**Poster Flash Talks** #39. Evaluating cancer risks in paediatric cardiac patients: updates from the UK cohort (follow-up 1991-2023). *Adam Errington (Newcastle University, UK)* – ECS VIRTUAL #41. The COCCINELLE cohort: a French epidemiological study on the risk of cancer after medical exposure to ionizing radiation in the context of cardiac catheterization during childhood. *Estelle Rage - de Moissy (ASNR, France). VIRTUAL* #49. Cellular Effects of Gamma Radiation and Water-Soluble Cigarette Smoke Components on RPE-1 Cells. *Prabodha Kumar Meher (Center for Radiation Protection Research, Department of Molecular Biosciences, Stockholm University, Sweden) – VIRTUAL* #19. Introduction of Mesh-type Reference Computational Phantoms (MRCPs) for Next ICRP General Recommendations. *Yeon Soo Yeom (Yonsei University, Republic of Korea)* #53. Doses from cardiac catheterisation in paediatrics - An overview of strategy and results from the HARMONIC project. *Isabelle Thierry-Chef (ISGlobal, Spain)* #54. CardioVision: A Web-Based VR/AR Software Platform for Optimizing Interventional Pediatric Cardiology. *Andreas Jahnen (Luxembourg Institute of Science and Technology (LIST), Luxembourg)*
18:20 – 18:45	**Poster Session (I)**
18:45 – 20:00	*Reception at IARC*

Day 2, September 10

8:00 – 9:00	*Registration*
9:00 – 10:25	**Session 5 Environmental Radiation Exposure**
9:00-9:25	**Keynote speaker: Preetha Rajaraman (RERF, Japan)** On the 80th anniversary of the atomic bombings – a legacy of peace and science.
9:25-9:40	Lung cancer mortality attributable to residential radon in Germany. Felix Heinzl (Federal Office for Radiation Protection, Germany)
9:40-9:55	Natural history of thyroid nodules in residents of Belarus following exposure as children or adolescents to Iodine-131 from the Chernobyl nuclear power plant disaster. Sander Roberti (National Cancer Institute, USA) - ECS

9:55-10:10	Reconstruction of lifetime ionizing radiation dosimetry in the CONSTANCES cohort: first step of the CORALE project. Justine Sauce (IRSN/PSE-SANTE/SESANE/LEPID, France) – ECS VIRTUAL
10:10-10:25	A new method of regression calibration - comparison with 2D Monte Carlo (with Bayesian model averaging) and other methods of correcting covariate error. Mark Little (National Cancer Institute, USA)
10:25-10:40	General discussion
10:40 – 11:00	*Coffee break* / Poster Viewing
11:00 – 12:30	**Session 6 ISoRED-RRS joint session**
11:00-11:10	RRS introduction – Ashely Golden (ORAU, USA)
11:10-11:35	**Keynote speaker: Yevgeniya Tomkiv (NMBU, Norway)** Radiation Risk Communication: Embracing the Complexity
11:35-11:50	Update on the UNSCEAR CanEpi Report. Mark Little on behalf of David Richardson (University of California, Irvine, USA)
11:50-12:05	Activities of ICRP Task Group 126 on Radiological Protection in Human Medical Research. Altay Myssayev (ISGlobal, Spain) – ECS, ICRP TG 126 mentee
12:05-12:30	Panel on available scientific data, research infrastructures and potential resources
12:30 – 13:30	*Lunch*
13:30 – 15:30	**Session 7 Early Career Scientists**
13:30-14:00	Moving from Results to Journal Submission Submission Perspective: Cari Kitahara, NCI, USA Journal Ed Perspective: Richard Harbron, IARC, France
14:00-14:30	Career Spotlight Panel: Highlighting Various Career Paths Panellists: Angela Davey (University of Manchester, UK) Preetha Rajaraman (Radiation Effects Research Foundation, Japan) Daphnée Villoing (Medpace, France) Daniel Wollschläger, Universitats Medizin Mainz, Germany)

14:30-15:30	Networking Panel: Developing Elevator Pitches for Different Work Scenarios Panellists: Marie Odile Bernier (ASNR, France) Ashley Golden (Oak Ridge Associated Universities, USA) Isabelle Thierry-Chef (ISGlobal, Spain) Yeon Soo Yeom (Yonsei University, Korea)
15:30 – 15:45	IARC@60: a quick history of the Agency Training and education opportunities at IARC Joachim Schüz (IARC, France)
15:45 – 16:00	*Coffee break*
16:00 – 16:30	**Poster Session (II)**
16:30 – 17:00	Invited Presentation Ausrele Kesminiene (IARC, France) Isabelle Thierry-Chef (ISGlobal, Spain)
17:00 – 20:00	*Social activities*
20:00	*Conference dinner*

Day 3, September 11

Time	Session
9:00-10:30	**Session 8 Occupational Radiation Exposure (non-medical)**
9:00-9:25	**Keynote speaker: Mary Schubauer-Berigan (IARC, France)** Occupational radiation epidemiology—latest findings from low- to high-LET ionizing radiation in the workplace
9:25-9:40	Radon exposure and mortality from solid cancers other than lung cancer in the pooled uranium miners analysis (PUMA). Nora Fenske (Federal Office for Radiation Protection (BfS), Germany)
9:40-9:55	Framework for addressing radon exposure uncertainties in lung cancer risk models of the German uranium miners study. Veronika Deffner (Federal Office for Radiation Protection, (BfS), Germany)
9:55-10:10	Estimating a radiation-related health risk induced by occupational exposome: Application to the post-55 French cohort of uranium miners. Sophie Ancelet (ASNR, France)

10:10-10:25	General discussion
10:25 – 10:55	*Coffee break / Poster Viewing*
10:55 – 12:30	**Session 9 Occupational Radiation Exposure (medical)**
10:55-11:10	Brain CancEr risk in joint cOhort of MEdical workers exposed to Ionizing radiation in France, USA and Korea (BECOME). Clémence Baudin (ASNR, France)
11:10-11:25	Occupational low-dose medical radiation exposure and risk of Parkinson's disease in the U.S. Radiologic Technologists Study. Isabelle van der Velpen (National Cancer Institute, USA) – ECS VIRTUAL
11:25-11:40	Low-dose occupational radiation exposure and gastrointestinal cancer mortality among U.S. radiologic technologists, 1983-2021. Zhiming (Jim) Mai (National Cancer Institute, USA) - ECS
11:40-11:55	Occupational Radiation Exposure and Cause-specific Mortality in a Cohort of Canadian Medical Workers. Mohammad Sazzad Hasan (Carleton University, Ottawa) – ECS VIRTUAL
11:55-12:10	General Discussion
12:10-12:35	**Poster Flash Talks** #16. Mortality of uranium workers compared to the general population: first results from the international Pooled Analysis of Uranium Processing Workers (iPAUW) project. Olivier Laurent (ASNR, France) VIRTUAL #47. Occupational Radiation Exposure Trends and Influencing Factors among Interventional Medical Radiation Workers in Korea: 1996-2020. *Kyoungyeol Yuk (Korea University, Republic of Korea)* – ECS – VIRTUAL #9. Long Term Effects of Low Dose Radiation in Healthcare Professionals *Pernille Lund Hansen (University College Lillebaelt, Denmark)* #13. Association Between Occupational Radiation Exposure and the Risk of Parkinson's and Alzheimer's Diseases among South Korean Radiation Workers. *Kyunghee Chae (Korea Institute of Radiological & Medical Sciences, Republic of Korea)* - ECS #21. Validation of Bayesian modelling approach of uncertainty in organ doses using post-mortem measurements. *Maia Avtandilashvili (United States Transuranium and Uranium Registries, Washington State University, USA)* #28. The data lifecycle and its importance to radiation epidemiology – A case study of practical implementation using the Million Person Study and the Comprehensive Epidemiologic Data Resource. *Sara Howard (ORAU/ORISE, USA)* – ECS.
12:35 – 13:30	*Lunch*

13:30 – 15:45	**Session 10 Modelling**
13:30-13:55	**Keynote speaker: Dmitry Klokov (ANSR, France)** Non-mutational mechanisms of tumorigenesis: relevance to the LNT hypothesis
13:55-14:10	Residential radon exposure and risks of various cancers in adulthood in the CONSTANCES cohort. Afi Mawulawoe Sylvie HENYOH (Autorité de Sûreté Nucléaire et de Radioprotection (ASNR), France) - ECS
14:10-14:25	Interaction of radon and smoking on lung cancer risk. Ladislav Tomasek (National Radiation Protection Institute, Czech Republic)
14:25-14:40	Severe mental retardation after in-utero exposure to ionizing radiation: A re-analysis of data from the Atomic Bomb survivors (Otake et al. 1996). Daniel Wollschläger (Institute of Medical Biostatistics, Epidemiology and Informatics (IMBEI), University Medical Center Mainz, Germany)
14:40-14:55	Leukaemia risk models from the LSS suitable for lifetime risk assessment. Markus Eidemüller (Federal Office for Radiation Protection (BfS), Germany)
14:55-15:10	Modeling time-since-and age-at-exposure effects for chronic exposures (using Epicure) Dale Preston (Hirosoft International LLC, USA)
15:10-15:25	General Discussion
15:25-15:40	**Poster Flash Talks** #80. Use of gamma emissions from Na activation in blood samples for neutron dose assessment. *Mathieu Brener (AFRRI, USA)* VIRTUAL #57. Leveraging Machine Learning to Enhance Epidemiology-Based Radiation Dose-Response Models. *Linh Duong (U.S. Department of Energy, USA)* – ECS #18. Selection bias and restrictions based on hire period in nuclear worker studies. *David Richardson (University of California, Irvine, USA)* #89. Cancer risks in population exposed to nuclear fallout from the Semipalatinsk test site, Kazakhstan: a cohort study. *Evgenia Ostroumova (IARC/ WHO, France)* #91. Cohort profile: Gene Expression and Late Cardiovascular Events in Chornobyl Clean-Up Workers. *Joshua Louis Ziegler (Institute of Medical Biostatistics, Epidemiology and Informatics (IMBEI), Mainz, Germany)* – ECS #92. International Regulations Certificate: Advancing Radiation Protection Education Globally. *Emily Caffrey (University of Alabama at Birmingham, USA)*
16:05 – 17:00	**Session 11 ISoRED business including awards**
17:00	*Conference Adjourn*

POSTERS (n = 41)

posters with flask talk are in blue (n = 19)

#9. Long Term Effects of Low Dose Radiation in Healthcare Professionals
Pernille Lund Hansen (University College Lillebaelt, Denmark)

#13. Association Between Occupational Radiation Exposure and the Risk of Parkinson's and Alzheimer's Diseases among South Korean Radiation Workers.
Kyunghee Chae (Korea Institute of Radiological & Medical Sciences, Republic of Korea) - ECS

#16. Mortality of uranium workers compared to the general population: first results from the international Pooled Analysis of Uranium Processing Workers (iPAUW) project.
Olivier Laurent (ASNR, France)

#18. Selection bias and restrictions based on hire period in nuclear worker studies.
David Richardson (University of California, Irvine, USA) TBC

#19. Introduction of Mesh-type Reference Computational Phantoms (MRCPs) for Next ICRP General Recommendations.
Yeon Soo Yeom (Yonsei University, Republic of Korea)

#20. Identification of childhood cancer survivors at highest risk of developing subsequent thyroid cancer: A report from the Childhood Cancer Survivor Study
Yuehan Wang (National Cancer Institute, USA) – **ECS**

#21. Validation of Bayesian modelling approach of uncertainty in organ doses using post-mortem measurements.
Maia Avtandilashvili (United States Transuranium and Uranium Registries, Washington State University, USA)

#22. The "HARMONIC-Radiotherapy" registry: assessing late outcomes of advanced radiotherapy in children, adolescents and young adults.
Neige Journy (Inserm, France)

#24. Low-dose ionizing radiation from cardiac catheterization procedures modifies blood microRNAs profiles in pediatric patients that target key carcinogenic pathways
Jonica Campolo (CNR Institute of Clinical Physiology, Pisa and Milan, Italy)

#27. Comparative study of approached cancer incidence in permanent nuclear workers with that of a sample of French population
Clémence BAUDIN (ASNR, France)

#28. The data lifecycle and its importance to radiation epidemiology – A case study of practical implementation using the Million Person Study and the Comprehensive Epidemiologic Data Resource.
Sara Howard (ORAU/ORISE, USA) – ECS

#30. Projected lifetime second cancer risks in pediatric and adult patients treated with radioactive iodine for first primary differentiated thyroid cancer
Cari Kitahara (National Cancer Institute, NCI)

#35. Cardiovascular Disease Risk After Radiotherapy among Breast Cancer Survivors: A Nationwide Cohort in South Korea
Jeeyoung Lee (Korea university, Graduate school, Republic of Korea) – ECS

#36. Radiation Exposure and Cancer in Pediatric Cardiac Procedures: using a large German health insurance database to establish a cohort for the HARMONIC Project
Sehajpreet Gill (Leibniz-Institute for Prevention Research and Epidemiology- BIPS, Germany) - ECS

#38. Quality of life and salivary and lachrymal disorders in patients treated with radioiodine for differentiated thyroid cancer: systematic review of the literature
Soline Bondet de La Bernardie (ASNR, France) – ECS

#41. The COCCINELLE cohort: a French epidemiological study on the risk of cancer after medical exposure to ionizing radiation in the context of cardiac catheterization during childhood.
Estelle Rage - de Moissy (ASNR, France)

#42. Dose–volume effects of external beam radiotherapy (EBRT) on the risk of meningioma in the French Childhood Cancer Survivor Study (FCCSS)
Mohamed AIT-ALI (Inserm, Gustave Roussy, France) **– ECS**

#46. Cancer Incidence Near Nuclear Facilities in Korea: A Nationwide Study (2005–2022)
Ga Bin Lee (The Laboratory of Radiation Health Assessment, Korea Institute of Radiological & Medical Sciences, Republic of Korea) **– ECS**

#47. Occupational Radiation Exposure Trends and Influencing Factors among Interventional Medical Radiation Workers in Korea: 1996-2020.
Kyoungyeol Yuk (Korea University, Republic of Korea) – ECS

#52. Lu-PSMA-Dose, a French retrospective multicentric dosimetry study of 177Lu-PSMA treatments for metastatic castration-resistant prostate cancer.
Stephanie Lamart (ASNR, France)

#53. Doses from cardiac catheterisation in paediatrics - An overview of

strategy and results from the HARMONIC project.
Isabelle Thierry-Chef (ISGlobal, Spain)

#54. CardioVision: A Web-Based VR/AR Software Platform for Optimizing Interventional Pediatric Cardiology.
Andreas Jahnen (Luxembourg Institute of Science and Technology (LIST), Luxembourg)

#57. Leveraging Machine Learning to Enhance Epidemiology-Based Radiation Dose-Response Models.
Linh Duong (U.S. Department of Energy, USA) – ECS

#58. Predicting long-term absolute risk of lung cancer in Hodgkin lymphoma patients by incorporating treatment information.
Shahin Roshani (Netherlands Cancer Institute, The Netherlands) – ECS

#61. Analysis of non-linearity in the dose response for Japanese atomic bomb survivor solid cancer mortality and cancer incidence data - assessment of low-dose extrapolation factors
Mark Little (National Cancer Institute, USA)

#66. A systematic review and meta-analysis on radon exposure and potential health effects other than lung cancer
Afi Mawulawoe Sylvie HENYOH (ASNR, France) **- ECS**

#67. State scientific automated medical register of people affected by the Semipalatinsk nuclear test site as a basis for scientific research at the Research Institute of Radiation Medicine and Ecology, Semey, Kazakhstan
Kazbek Apsalikov (NIIRME, Republic of Kazakhstan)

#68. Current radioecological situation around the Semipalatinsk nuclear test site, Kazakhstan
Alexandra Lipikhina (NIIRME, Republic of Kazakhstan)

#71. IMAGEOMICS - Optimizing Benefit/Risk Ratio in Breast Cancer Diagnosis and Radiotherapy: Identifying Molecular, Cellular and Imaging Signatures of Breast Cancer Heterogeneity to Improve Personalized Therapeutic Strategies for Synergistic Treatment Combinations.
Altay Myssayev (ISGlobal, Spain) **- ECS**

#73. GenEFCCSS: A resource for investigating genetic predispositions to late radiation induced events in childhood cancer survivor
Ons Hamzaoui (INSERM U1018 / Gustave Rousssy, France) **- ECS**

#74. Impact of nuclear testing at the Lop-Nor test site (China) on the territory and population of southeastern Kazakhstan
Richard Harbron (IARC; Newcastle University)

#75. Risk of second cancers after hypofractionated radiotherapy among breast cancer survivors in England.
Imogen Sawyer (The Institute of Cancer Research, UK) – ECS

#77. A Bayesian excess relative risk modelling with an application to radiation exposure data
YOUNG MIN KIM (Kyungpook National University, Republic of Korea)

#78. Improving Solid Cancer Incidence Estimates in Atomic Bomb Survivors: The Role of Migration in Catchment Area-Based Registries
Hanna Lindner (Radiation Effects Research Foundation, Japan) **– ECS**

#79. Assessing the Usability of a Mixed Reality Platform for Complex Cases in Pediatric Interventional Cardiology: Insights from Expert Feedback
Andreas Jahnen (Luxembourg Institute of Science and Technology (LIST), Luxembourg)

#81. Incidence of hematological malignancies in the most contaminated regions of Ukraine after the Chornobyl accident
Ljubica Zupunski (IARC/ WHO, France)

#86. A whole-body in vivo dosimetry dataset for radiation induced toxicities studies.
Meïssane M'hamdi (UMR1030 Gustave Roussy, France) – ECS

#88. Cancer risk in residents of Belarus exposed to Chernobyl fallout: standardized incidence ratio analysis, 1997 to 2021
Elizabeth Cahoon (NCI, USA)

#89. Cancer risks in population exposed to nuclear fallout from the Semipalatinsk test site, Kazakhstan: a cohort study.
Evgenia Ostroumova (IARC/ WHO, France)

#91. Cohort profile: Gene Expression and Late Cardiovascular Events in Chornobyl Clean-Up Workers.
Joshua Louis Ziegler (Institute of Medical Biostatistics, Epidemiology and Informatics (IMBEI), Mainz, Germany) – ECS

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