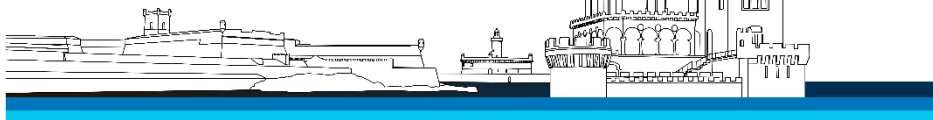


European Radiation Protection Week 2022

ERPW 2022

9 - 14 October
Estoril, Portugal



Conference Programme



European Radiation Protection Week 2022 (ERPW 2022) - FORMAT

Sunday (09/10)		Monday (10/10)	Tuesday (11/10)	Wednesday (12/10)	Thursday (13/10)	Friday (14/10)
	08:30-09:15	Registration NERIS Workshop MELODI GA RENEB GA TOURR Workshop	Tutorials & Morning lectures	Tutorials & Morning lectures	Tutorials & Morning lectures	PIANOFORTE (restricted) Meeting
a.m.	09:15-10:55		Opening Plenary Welcome The future of the system of RP (views from ICRP, EC, IAEA, WHO)	Plenary (MEENAS, PIANOFORTE, SNETP)	Plenary (Big projects / platforms / E&T)	
	10:55-11:15		Coffee Break	Coffee Break	Coffee Break	
	11:15-12:55		Session A	Session D (special)	POSTERS Session	
	12:55-13:30	Lunch	Lunch	Lunch	Lunch	
	13:30-14:15		Special session on Ukraine	EURAMED rock-n-roll Workshop		
	14:15-15:55	ICRP Workshop	Session B	POSTERS Session	Session A	Session D
13:00-18:00	15:55-16:15	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
	16:15-17:55	ICRP Workshop (cont'd)	Session C	Long-COVID debate	Closing Plenary Awards	
	18:00-20:00	Welcome drink	ALLIANCE GA EURAMED GA	Sunset get together by the beach		
	20:00-21:00					

Session's "nomenclature"

- A Radiation effects on humans
- B Dosimetry and occupational exposure
- C Radioecology: effects, monitoring and risk assessment
- D Medical applications of ionising radiation
- E Emergency preparedness, response and recovery
- F Social sciences and humanities in radiation protection
- G Big projects / platforms / E&T

Conference Programme

Sunday October, 09



Time	Content		
13:00 – 18:00	EURADOS WG10+WG7 Workshop	ICRP Meeting (restricted)	Registration
	Coffee Break		
	EURADOS WG10+WG7 Workshop (cont'd)	ICRP Meeting (restricted, cont'd)	Registration

Conference Programme

Monday October, 10

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Time	Content				
8:30 – 09:10	Tutorials & Morning Lectures Author Salvatore di Maria Title Dosimetry in mammography		Tutorials & Morning Lectures Author Ana Geão Title Radiation Protection in Nuclear Medicine		Tutorials & Morning Lectures Author Rodolphe Gilbin Title Biosphere Impact assessment: concepts, tools, gaps, and R&D needs
8:30 – 10:45	NERIS Workshop	MELODI GA	RENEB GA	TOUR Workshop	Registration
10:45 – 11:05	Coffee Break				
11:05 – 13:00	NERIS Workshop	MELODI GA	RENEB GA	TOUR Workshop	Registration
13:00 – 14:15	Lunch				
14:15 – 15:55	ICRP Workshop				
15:55 – 16:15	Coffee Break				
16:15 – 18:00	ICRP Workshop (cont'd)				
18:00 – 20:00	Welcome Drink				

Conference Programme

Tuesday October, 11



Time	Content	
8:30 – 9:15	<p>Tutorials & Morning Lectures</p> <p>Author Joana Santos Title Establishment and use of DRLs</p>	<p>Tutorials & Morning Lectures</p> <p>Author Heloisa Fonseca Title Portuguese Radon Action Plan – Challenges and Opportunities for Science</p>
09:15 – 10:55	<p>Opening Plenary</p> <p>Welcome</p> <p>The future of the system of RP (views from ICRP, EC, IAEA, WHO)</p> <p>Session Chairs: Pedro Vaz, João Martins</p>	
	P1.1 – M. Huebel, "Views from the EC" (15 min)	
	P1.2 – W. Ruehm, "Views from the ICRP" (15min)	
	P1.3 – J. Vassileva, "Views from the IAEA" (15 min)	
	P1.4 – Z. Carr, "Views from the WHO" (15 min)	
10:55 – 11:15	Coffe Break	
11:15 – 12:55 (15 min each)	<p>Radiation effects on humans I</p> <p>Session chairs: <i>Christophe Badie and Simone Mörtel</i></p>	<p>Social sciences and humanities in radiation protection</p> <p>Session chairs: <i>Liudmila Liutsko and Yevgenia Tomkiv</i></p>
	O1.1 – D. Klokov, "The role of various DNA repair pathways in biological responses to low dose gamma radiation", IRSN	O1.1 – C. Turcanu, "Transdisciplinarity in ionising radiation research: potential venues and way forward", SCKCEN (15 min)
	O1.2 – M. López-Riego, "Cellular changes after chronic as compared to acute exposure to different LET ionising radiation", SU	O1.2 – S. Hodgson, "Ethical challenges in the AI and medical radiation protection space", Exeter (15 min)
	O1.3 – R. Anderson, "British nuclear test veteran family trios for the study of genetic risk", Brunel	O1.3 – D. Oughton, "Opportunities and challenges from information technology in Emergency Preparedness", NMBU (15 min)
	O1.4 – S. Barnard, "Radiation induced cataract: individual response of the ocular lens to IR", UKHSA	O1.4 – G. Meskens, "An ethical "capability-possibility" framework for radiation protection research", SCKCEN (15 min)
	O1.5 – N. Fenske, "Radon and other diseases than lung cancer: results from the German U miner cohort study 1946-2018", Bfs	O1.5 – P. Costa, "Patient and public knowledge, awareness, and feelings on ionizing radiation exposure due to medical examinations: a systematic review", ESS (15 min)
	O1.6 – C. Badie, "Epigenetic signature of IR in therapy-related AML patients", UKHSA	O1.6 – F. Rauser, "PIANOFORTE-Partnership for European research in radiation protection and detection of ionising radiation: towards a safer use and improved protection of the environment and human health Work package 3 - Stakeholder engagement", BFS
12:55 – 13:30	Lunch	
13:30 – 14:15	Special session on Ukraine	
14:15 – 15:55 (15 min each)	<p>Dosimetry and occupational exposure</p> <p>Session chairs: <i>Maria Antónia Lopez and Daniel Santiago Rondón</i></p>	<p>Medical applications of ionising radiation I</p> <p>Session chairs: <i>Graciano Paulo and Uta Eberlein</i></p>
	O1.1 – K. Jeongin, "A Phantom Experiment for the Whole Body Exposure by BNCT Using LINAC-Based Neutron Source", KHNP	O1.1 – GF Garcia, "Impact of Flash-Therapy and New Delivery Methods Under Development On the Operational Radiation Protection of Compact Proton Therapy Centers (CPTC)", UPM
	O1.2 – R. Tanner, "State of the art of computational dosimetry practice – conclusions from several EURADOS Intercomparisons", PTB	O1.2 – A. Martins, "Diagnostic Reference Levels in Nuclear Medicine: How to implement", JCS
	O1.3 – E. Honorio da Silva, "Influence of chronic smoking on the dose due to Rn exposure", IRSN	O1.3 – N. Mahmoodian, "Lung and lung tumor segmentation of CT images during MWA therapy using AI algorithm", OVGU

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Tuesday October, 11

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	<p>O1.4 – N. Hertel, "(alpha, n) neutron emissions from soil: Do they matter in environmental dose computations?", Gatech</p> <p>O1.5 – Kollaard, "Radiation exposure in nuclear medicine - evaluation of finger doses and influence of new isotopes", NRG</p> <p>O1.6 – F. Peter, "The role of individual characteristics of the subjects in the radiation burden of the bronchial airways", EK-CER</p>	<p>O1.4 – V. Sousa, "Establishment of Local Diagnostic Reference Levels for 2-[18F]FDG, [68Ga]Ga-DOTANOC and [68Ga]Ga-PSMA-11 studies", HGO</p> <p>O1.5 – J. Damilakis, "Normalised organ doses for abdominal CT examinations calculated using a patient-specific Monte Carlo method", MED UOC</p> <p>O1.6 – A. Martins, "Clinical audits in Nuclear Medicine", JCS</p>
15:55 – 16:15	Coffee Break	
16:15 – 17:55 (15 min each)	<p>Radioecology: effects, monitoring and risk assessment Session chairs: Pedro Nogueira and Joana Lourenço</p>	<p>Long-COVID debate Session chair: Nathalie Impens</p>
	O1.1 – S. Frelon, "Toward a consensus Adverse Outcome Pathway (AOP) network for radiation-induced reproductive effects in environmental species", IRSN	Discussion Panel Paul A. Lyons
	O1.2 – G. Luis, "Effects of data aggregation on the indoor radon risk map of Portugal"	Lisa Deloch
	O1.3 – J. Popic, "Characterisation of exposure at NORM involving sites based on a new methodology to collect info and first dose assessment simulations", DSA	C. Hoeschen Franz Roedel
	O1.4 – T. Arnold, "Identification of geochemical and biological processes controlling NOR mobility to derive more robust solid/liquid coefficients", HZDR	Laura Torres Royo Lina Vieira
	O1.5 – V. Chapon, "Identifying biological and chemical parameters controlling the transfer of NoR to plants to derive more robust transfer factors", CEA	Katalin Lumniczky
18:00 – 20:00	ALLIANCE GA	EURAMED GA

Conference Programme

Wednesday October, 12

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Time	Content	
8:30 – 9:15	Tutorials & Morning Lectures Author Jenia Vassileva Title Patient exposure monitoring in medical imaging	Tutorials & Morning Lectures Author Zhanat Carr Title WHO Framework for mental health and psychosocial support in case of radiation emergencies
09:15 – 10:55	Plenary - Integrating Radiation Protection <i>Session Chairs: Hildegarde Vandenhove and Jean-Christophe Gariel</i>	
	P1.1 - J.-C. Gariel, F. Vanhavere & F. Raussser, "PIANOFORTE: A European partnership for radiation protection research" (25 min)	
	P1.2 - H. Vandenhove & C. Hoesshen "European research and innovation in radiation protection integrated within EURATOM and beyond – the way forward for MEENAS" (20 min)	
	P1.3 – A. Mazouzi & C. Boudet, "Challenges of the European nuclear sector: SNETP vision" (20 min)	
Guided discussion on integrating radiation protection (35 min)		
10:55 – 11:15	Coffee Break	
11:15 – 12:55	Medical applications of ionising radiation II <i>Session chairs: Guy Frija and Christoph Hoeschen</i>	Emergency preparedness, response and recovery <i>Session chairs: Deborah Oughton and Kasper Andersson</i>
	O2.1 – B. Brkjačić, "European co-ordinated action on improving justification of computed tomography", Zagreb/HR (15 min + 5 discussion)	O1.1 – C. Mogg, "Building a Framework for Post Nuclear Accident Recovery Preparedness", OECD-NEA (15 min)
	O2.2 – M.P. Revel, "Introducing lung cancer screening in national screening programmes", Paris/FR (15 min + 5 discussion)	O1.2 – M. Isaksson, "Restoring areas after a radioactive fallout: a multidisciplinary study on decontamination", Radfys (15 min)
	O2.3 – B. Krause, "Theranostics", Rostock/DE (15 min + 5 discussion)	O1.3 – K. Andersson, "Optimising recovery after a contaminating incident: where are the current technical gaps?", DTU (15 min)
	O2.4 – S. Combs, "Clinical Hadrontherapy - radiation protection aspects", Munich/DE (15 min + 5 discussion)	O1.4 – J. Bottollier, "Open radiation: a collaborative project for radioactivity measurements in the environment by the public", IRSN (15 min)
	O2.5 – P. Gilligan, "Hot topic of medical physics: Gonadal shielding", Dublin/IE (15 min + 5 discussion)	O1.5 – W. Raskob, "Comparison of decision-making results when using different meteorological ensembles in the decision support system JRODOS", KIT (15 min)
O1.6 – M. Voutilainen, "Potential consequences of hypothetical nuclear power plant accidents in Finland", STUK (15 min)		
12:55 – 13:30	Lunch	
13:30 – 14:15	Lunch	(EURAMED neo-n-ml Workshop running in parallel)
14:15 – 15:55	POSTERS Session 1 <i>Session Chairs: Ana Belchior and Salvatore di Maria</i>	
16:00 – 18:00	Social Programme	

Conference Programme
Wednesday October, 12

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18:00 – 21:00

Sunset get together by the beach

Conference Programme

Thursday October, 13



Time	Content	
8:30 – 9:15	<p>Tutorials & Morning Lectures</p> <p>Author Maria Antónia Lopez Title Internal Dosimetry of uranium workers. An update</p>	<p>Tutorials & Morning Lectures</p> <p>Author Christophe Hoeschen Title Introduction to AI methodology, applications and limitations</p>
09:15 – 10:55 (15 min each)	<p>Plenary - Big projects / platforms / E&T <i>Session Chairs: Andrzej Wojcik and Nathalie Impens</i></p>	
	<p>P2.1 – E. Cardis, "Results and Recommendations of the Medirad project (Implications of Medical Low Dose Radiation Exposure)", Isglobal</p>	
	<p>P2.2 – C. Hoeschen, "EURAMED rocc-n-roll: From a European strategic research agenda towards a corresponding roadmap for medical applications of ionizing radiation", OVGU</p>	
	<p>P2.3 – Y. Tomkiv, "European Platform for Social Sciences and Humanities in Ionising Radiation Research (SHARE)", NMBU</p>	
	<p>P2.4 – J. Dolo, "Infrastructures for radiation protection research: Zoom on Exposure Platforms, the landscape in Europe, strengths, weaknesses and possible ways to build the future network", CEA</p>	
	<p>P2.5 – M. Gomolka, "International expert group collaboration for developing an adverse outcome pathway to radiation induced leukaemia", BFS</p>	
10:55 – 11:15	Coffee Break	
11:15 – 12:55	<p style="text-align: center;">POSTERS Session 2 <i>Session Chairs: Ana Cravo Sá</i></p>	
12:55 – 14:15	Lunch	
14:15 – 15:55 (15 min each)	<p>Radiation effects on humans II <i>Session chairs: Stephen Barnard</i></p>	<p>Medical applications of ionising radiation III <i>Session chairs: Boris Brkčajić and Erato Stylianou Markidou</i></p>
	<p>O2.1 – D. Laurier, "Effects of radiation exposure on offspring and next generations: summary of the workshop jointly organised by ICRP, MELODI and ALLIANCE", IRSN</p>	<p>O3.1 – A. Cravo Sá, "Monte Carlo study of out-of-field organ doses in stereotactic body radiation therapy of pancreatic patients", CTN</p>
	<p>O2.2 – D. Laurier, "Effects of ionising radiation on diseases of the circulatory system and their consideration in the system of radiological protection", IRSN</p>	<p>O3.2 – B. Oliveira, "Development of a toolkit software for radiobiological calculations alphabetaCalc"</p>
	<p>O2.3 – M. Gomolka, "Gene expression alterations of the immune system decades after radiation exposure - Is there a relation to persisting chromosomal damage?", BFS</p>	<p>O3.3 – M. De Saint-Hubert, "HARMONIC out-of-field dosimetry: comparing photon and proton radiotherapy for paediatric brain cancer treatment, including imaging", SCKCEN</p>
	<p>O2.4 – R. Benotmane, "Radiation exposure during brain development and persistent effects", SCKCEN (15 min)</p>	<p>O3.4 – C. Pinto, "Evaluation of gold nanoparticles as radiosensitisers in glioblastoma tumors", CTN</p>
	<p>O2.5 – T. Kinugawa, "Mathematical analysis of radiation-induced life-shortening caused by cancer - focusing on the difference among cancer types", Osaka University</p>	<p>O3.5 – R. Anderson, "Dose estimation after a mixed field exposure: Ra-223 intensity modulated radiotherapy", Brunel</p>
15:55 – 16:15	Coffee Break	
16:15 – 17:55	<p style="text-align: center;">Closing Plenary</p> <p style="text-align: center;">Awards</p>	

Conference Programme
Friday October, 14



Time	Content
8:30 – 12:55	PIANOFORTE restricted meeting



NERIS Workshop 2022
10th October 2022, 9:00 – 13:00
Estoril, Portugal

Programme

	Introduction	F. Gering (BfS)
9:00-10:45	Session 1 – Uncertainty quantification, data assimilation, monitoring strategies, and inverse modelling	
	Remote detection of alpha and gamma radioactivity by using unmanned aerial vehicles	A. Vargas (UPC)
	JRODOS and SAFE-AIR decision support systems: a JRC-Ispra experience in preparedness and response to a potential nuclear emergency	G. Magrotti (JRC)
	Towards UAV-enabled radiological and meteorological real-time data assimilation	L. Ivan (CNL)
	Analysis of possible consequences of severe accident in distant receptors for the planned Polish nuclear power plant	P. Kopka (NCBJ)
	Novel simplified methodologies on source term estimation and associated uncertainties from accidental airborne releases	J. Batrzis
	Emergency response implication of Tritium in CANDU Severe accidents	L. Lebel (CNL)
	Questions / discussion	
10:45-11:05	Coffee break	
11:05-13:00	Session 2 – Lessons learned and optimisation of management strategies	
	Common challenges and research issues for fostering preparedness and response to health and environment crises and nuclear accident	E. Cardis (ISGlobal)
	Non-radiological consequences of Nuclear and Combined emergencies	L. Lebel (CNL)
	The importance of open data on background radiation in wartime in Ukraine (to be confirmed)	P. Tkachenko (SaveDnipro)
	Current status of biological and radiation safety research in the New Safe Confinement of Chernobyl NPP	O. Pareniuk (NUBiP)
	Nuclear and radiological emergency preparedness in Spain: Medical Management and dosimetry capacities	E. Gallego (UPM)
	Overview of off-site waste management after the Fukushima NPP accident	E. Lafranque (CEPN)
	Protection against ingestion of contaminated foodstuffs in a post-accidental situation	J-M. Bertho (ASN)
	Questions / discussion	
	Closing words	F. Gering (BfS)

ERPW2022

ICRP Workshop on the Review and Revision of the System of Radiological Protection: A Focus on Research Priorities

10 October 2022, 14:15-17:55

This Workshop focuses on areas of research to support radiological protection, specifically considering the evolution of the System of Radiological protection developed by ICRP, aiming to complement research priorities promoted by other international organisations. This is part of the effort launched by ICRP in 2019 to review and revise the System of Radiological Protection, leading to an update the 2007 General Recommendations (ICRP *Publication 103*) in the coming years.

The areas of research most recently identified by ICRP are outlined in the open access paper 'Areas of research to support the system of radiological protection' (Laurier et al, Radiation and Environmental Biophysics volume 60, pp 519–530, 2021, <https://www.doi.org/10.1007/s00411-021-00947-1>). Led by ICRP Chair Werner Rühm and ICRP Main Commission member Dominique Laurier, this workshop is an opportunity for many organisations to share their views on what they consider the most important research topic(s) in radiological protection for the medium and long term. The format is a series of short remarks followed by a panel discussion, allowing for audience interaction to encourage additional views and feedback.

Agenda (Tentative)

14:15 - 14:30	Welcome and Introduction Werner Rühm, ICRP Chair
14:30 - 14:55	Areas of Research to Support the System of Radiological Protection Dominique Laurier, ICRP Committee 1 Chair
	Views on Priorities for Research to Support Radiological Protection
14:55 - 15:55	<ul style="list-style-type: none">• ALLIANCE, Rodolphe Gilbin• EAN, Pascal Crouail• EFOMP, Lorenzo Mazzoni• EURADOS, Rick Tanner• IRPA Claire-Louise Chapple
Break	<ul style="list-style-type: none">• ISR & ESR, Guy Frija• MELODI, Nathalie Impens
16:15 - 16:45	<ul style="list-style-type: none">• NEA, Christopher Mogg• NERIS, Florian Gering• PIANOFORTE, Liz Ainsbury• SHARE, Catrinel Turcanu• WNA, Peter Bryant• <i>Additional speakers to be confirmed</i>
16:45 - 17:45	Panel Discussion and Q&A
17:45 - 17:55	Closing Werner Rühm, ICRP Chair

Conference Programme
EURAMED Session

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EURAMED

European Alliance for Medical
Radiation Protection Research

ERPW2022

Invited EURAMED session

12 October 2022, 11:15-12:55 (100 min.)

Estoril Congress Centre, Estoril, Portugal

Hot topics in clinical medicine using ionising radiation

organised by EURAMED rocc'n'roll Project

Chairs: Guy Frija, FR; Christoph Hoeschen, DE

Programme

11:15-11:35	European co-ordinated action on improving justification of computed tomography	B. Brkljačić, Zagreb/HR
11:35-11:55	Introducing lung cancer screening in national screening programmes	M.P. Revel, Paris/FR
11:55-12:15	Current issues in radionuclide theranostics	F. Verburg, Rotterdam/NL
12:15-12:35	Hot topics in radiation oncology	J. Casalta Lopes, Braga/PT
12:35-12:55	Hot topic of medical physics: Gonadal shielding	P. Gilligan, Dublin/IE

Conference Programme

EURAMED Session



Each talk has 15 mins presentation + 5 minutes for discussion

The following have confirmed their participation as moderators for the three Medical Applications of Ionising Radiation sessions.

Medical Applications of Ionising Radiation I, Tuesday, October 11, 14:15–15:55: **Graciano Paulo (Escola Superior de Tecnologia da Saúde de Coimbra, PT) and Uta Eberlein (University Hospital Würzburg, DE)**

Medical Applications of Ionising Radiation II, Wednesday, October 12, 11:15–12:55: **Christoph Hoeschen (Otto von Guericke University Magdeburg, DE) and Guy Frija (University of Paris, FR)**

Medical Applications of Ionising Radiation I, Thursday, October 13, 14:15–15:55: **Boris Brkljačić (University of Zagreb, HR) and Vanessa Marie Sousa (Hospital Garcia de Orta, PT)**

Conference Programme

Poster Session 1

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Radiation effects on humans	Author	Poster Number
Study of potentially renal cancerous effect of U in genetically engineered mouse models: UKCAN project	L. de Castro	P1.1
The radiation biology ontology: a new tool supporting FAIR principles across radiation biology facilitating data discovery and integration	P. Schofield	P1.2
High Throughput Image Analysis Exploring the Morphological Fluctuations of Subcellular Organelles in Leukemia Model Mic against Radiation Exposure	Y. Lee	P1.3
Low doses of chronic Cs 137 contamination effects on atherosclerosis	H. Quelquejey	P1.4
Low doses of chronic 137 Cs contamination impairs olfactory capacity of mice with sexes differences	H. Quelquejey	P1.5
Cellular dose-response relationship in the development of Leukemia against radiation exposure	Y. Choi	P1.6
Ecological correlation between leukemia and external natural gamma radiation	E. Palma-Rojo	P1.7
Comparative studies of intestinal tumorigenesis in the APC min/+ mouse following acute or chronic gamma irradiation	E. Ainsbury	P1.8
Cytogenetic and cellular investigation for the radiosensitivity of Lynch Syndrome relevant Colorectal Tumor Cell Lines	M. Sun	P1.9
Effects of low and moderate doses of IR on a aortic aneurysmal model of Angiotensin II infusion APO E -/- mice	G. Riazi	P1.10
Lifetime risk for lung cancer due to R exposure: a systematic analysis of estimation components	M. Sommer	P1.11
Effects of ionizing radiation on neural progenitor cells in a 3D in vitro model of early human brain development	J. Lee	P1.12
Cytogenetic effects of low dose irradiation in peripheral blood lymphocytes of patients after angiography examination	L. Popova	P1.13
Long-term heart effects in male C57Bl/6 ApoE-/- mice chronically exposed to internal Cesium-137	F. Saliou	P1.14
Pooled analysis of lung cancer and Rn among U miners hired in 1960 or later: the PUMA study	D. Laurier	P1.15

Conference Programme

Poster Session 1

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Datasets of in vitro clonogenic assays showing LD hyper-radiosensitivity and induced radioresistance	S. Polgár	P1.16
Plasma-derived Exosomes from irradiated mice reveal changes in Micro-RNA and proteomic profiles preventing apoptosis	S. Pazzaglia	P1.17
Role of miRNAs in the pathogenesis of abscopal radiation-induced heart diseases	B. Tanno	P1.18
Senescence of mesenchymal stromal cells induced by X-ray exposure promote the release of paracrine factors that may have anti- of pro-tumorigenic activity	N. Alessio	P1.19
Cancer related changes in cells exposed to alpha radiation in combination with nicotine	N. Boroumand	P1.20
Inhomogeneous alpha particle exposure of in vitro reconstituted human bronchial epithelium	J. Boei	P1.21
Ionising radiation induces selective sorting and packaging of miRNAs into extracellular vesicles	I. Csordás	P1.22
Dose rate is relevant for hepatic transcriptional profiles and chromatin accessibility in gamma irradiated mice	H. Dahl	P1.23
Chromosomal radiosensitivity estimation of human peripheral bloodlymphocytes by means of a modified G2 assay	S. Triantopoulou	P1.24
Radiological and chemical exposures and risks of cancer in the Constances fohort (COREXCA)	O. Laurent	P1.25
A comparative study to compensate the effect of age in the analysis of a blood dataset generated in a low dose radiation animal in vivo experiments	I. Garali	P1.26
Multistage model of carcinogenesis taking account of the dose-rate effect of radiation	T. Wada	P1.27
Proteome alterations in HepG2 and A549 cells exposed to metals and NORM	J. Lourenço	P1.28
What are differences in radiation dose, thyroid hormone and IQ levels associations in children exposed in utero by the Chernobyl accident and controls?	L. Liutsko	P1.29
Assessment of radiation sensitivity in BRCA mutations carriers compared to non-carriers from HBOC families	M. Abrantes	P1.30
Background level of unstable chromosome aberrations in the Kazakhstan population: a human biomonitoring study	L. Kenzhina	P1.31

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Poster Session 1

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Social sciences and humanities in radiation protection	Author	Poster Number
Citizen science approach for galactic cosmic radiation and SEP monitoring at commercial flight altitude: the "Cosmic on air" project	F. Tromprier	P2.1
The "Don't Look Up" syndrome: risk perception, dose – response models and mitigation of climate change	R. Vasilache	P2.2
Study on factors that influence breast density (BD) and the information that women receive about their own BD	C. Engler	P2.3
Using new technologies and innovative method for teaching radiological protection at school in covid-19 confinement conditions	I. Deme	P2.4
Risk perception of radiological exams between patients and healthcare professionals	D. Loyens	P2.5
What do women know about radiology?	B. Barros	P2.6
Stakeholders Engagement in the RadoNorm	N. Zeleznik	P2.7
Radiation protection at ICNAS: organisational perspective in a multi-licensed facility	M. Silva	P2.8
International Horizon-Style Exercise: Advancing the use of AOP in RP	J. Leblanc	P2.9
Challenges with ethical approvals of social sciences and humanities research- a critical reflection from the RadoNorm research ethics committee	D. Oughton	P2.10
Informing the public about a radiological or nuclearattach: revisiting lessons from Cold War communication plans	Y. Tomkiv	P2.11
X-rays' risk perception in Portugal from late 19th century	A. Melo	P2.12
What can RadoNorm project contribute to addressing societal challenges related to radiation protection?	T. Perko	P2.13
Public opinion surveys for ionising radiation research: critical reflection	T. Perko	P2.14

Dosimetry and occupational exposure	Author	Poster Number
APPLICATION OF A RISK-BASED APPROACH IN IN-VITRO INTERNAL DOSIMETRY	C. Hernandez	P3.1
CIEMAT PARTICIPATION IN THE SEVEN EURADOS INTERCOMPARISONS FOR WHOLE BODY DOSEMETERS IN PHOTON AND BETA FIELDS (2008-2020)	R. Rodriguez	P3.2
CIEMAT PARTICIPATION FOR EXTREMITY DOSIMETRY SYSTEMS IN THE THREE EURADOS INTERCOMPARISONS (2009-2019)	R. Rodriguez	P3.3
AGAMA – software package for airborne gamma-ray spectrometry data post-processing	I. Cespirova	P3.4

Conference Programme

Poster Session 1

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Characterisation of the reproducibility of LiF:Mg, Ti dosimeters and the Radiator system in the quantity Hp(0,07)	G. Nascimento	P3.5
Results of the field experiments aimed to better understanding of uncertainties in citizen monitoring of radiation situation	P. Kuca	P3.6
New portal monitor systems to ensure the safety of the population	E. Cermakova	P3.7
Shielding evaluation of surgical drapes in interventional cardiovascular procedures	F. Torres	P3.8
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