

EPRBioDose 2018, preliminary scientific program (13-04-2018)

Sunday, 10.06.18

afternoon	satellite meeting	time			
	RENEB General Assembly meeting	14.00-18.00		Bundeswehr Medical Office, Institute of Radiobiology, room to be determined	invited only

Monday, 11.06.18

morning / afternoon	satellite meeting	time			
	WHO BioDoseNet	10.00-16.00		HMGU Campus, BFS building, Room E128/129	invited only
	Open RENEB meeting	16.30		HMGU Campus, BFS building, Room E128/129	for interested persons
	ISO Working Group 18 - EPR	10.00-17.00		HMGU Campus, building 34 Seminar Room, room 119	invited only

Tuesday, 12.06.18

morning / perm. ID #	satellite meeting/ session	time	abstract ID	titel	speaker	affiliation
	IABERD executive committee	7.00-8.30		HMGU Campus, BFS building, Room E130		invited only
		from 8.00		registration and poster mounting		
	Welcome/Greetings	8.45-9.10	/		to be determined	HMGU, Germany
			/		to be determined	Federal Office of Radiation Protection, Germany
			/		to be determined	Bundeswehr Medical Office, Institute of Radiobiology, Germany
			/	Greetings from WHO	Zhanat Carr	World Health Organization, Switzerland
	Invited lectures	9.10-9.30	164	to be determined	Dieter Regulla	Institute of Radiation Protection, HMGU, Germany
		9.30-10.00	155	The Future of Biodosimetry	Harold Swartz	Geisel School of Medicine at Dartmouth, USA
		10.00-10.30	162	An Overview of Cytogenetic Dosimetry	David Lloyd	Public Health England, UK
	coffee break	10.30-11.00		next to Auditorium		
	Biomarker I	11.00-11.30	159	Metabolomics for radiation biodosimetry: designing a robust radiation signature	Evagelia C. Laiakis	Georgetown University Washington, USA
	chairs: Elizabeth Ainsbury, Wilkins	Ruth 11.30-11.45	7	Biomarkers for assessing radiation injury identified using nonhuman primate model	Vijay Singh	SRD - AFRRRI, PHA - SOM, USA
		11.45-12.00	11	Dotting the Eyes: Mouse strain dependency of the lens epithelium to low dose radiation-induced DNA damage	Stephen Barnard	Public Health England, UK
		12.00-12.15	55	Impairment and recovery of GI function following lower hemi-body radiation exposure in a Göttingen minipig model	Maria Moroni	Henry M. Jackson Foundation, USA
		12.15-12.30	16	Validating the gene expression assay for biological dosimetry in emergencies involving exposure to mixed beams of high and low LET radiation	Dante Olofsson	Stockholm University, Sweden
	lunch break	12.30-13.30		next to Auditorium		
	IABERD scientific committee	during lunch break		Meeting room next to Auditorium		invited only

afternoon / perm. ID	session	time	abstract ID	titel	speaker	affiliation
(Tuesday, 12.06.18)						
	Biomarker II	13.30-13.45	18	Cytogenetic Biodosimetry in Experimental Modeling of Inhomogeneous, Mixed Dose Radiation Exposure	Volodymyr Vinnikov	Grigoriev Institute for Medical Radiology of National Academy Medical Sciences of Ukraine, Ukraine
	chairs: William Blakely, Francesc Barquinero Estruch	13.45-14.00	31	An improved statistical methodology for analysis of translocations for biodosimetry purposes	Manuel Higuera	Basque Center for Applied Mathematics, Spain
		14.00-14.15	37	Study of chromosome aberrations as biomarkers of partial body exposure in cancer patients in early stages of radiotherapy course	Nataliya Maznyk	Institute for Medical Radiology of National Academy Medical Sciences of Ukraine, Ukraine
		14.15-14.30	85	EURADOS review on retrospective dosimetry techniques for internal exposure to ionizing radiation	Augusto Giusani	Federal Office of Radiation Protection, Germany
		14.30-14.45	110	Biomarkers for use in early and late biodosimetry using lymphocytes from relapsed and refractory neuroblastoma patients treated with targeted 131I-MIBG.	Matthew Coleman	Lawrence Livermore National Laboratory, USA
		14.45-15.00	120	A simulation study: Comparison of statistical methods for uncertainty estimation in biological dosimetry	David Endesfelder	Federal Office of Radiation Protection, Germany
		15.00-15.15	147	A Novel and Sensitive Blood Test for Radiation Biodosimetry	Naduparambil Jacob	The Ohio State University, USA
	Biological and EPR dosimetry for epidemiology	15.15-15.30	50	Establishment and validation of gene expression biodosimetry based on age and gender in human peripheral blood models of radiation exposure	Shuang Li	National Institute for Radiological Protection, China
	chairs: Paola Fattibene, Antonella Testa	15.30-15.45	32	Chromosome aberration studies of peripheral lymphocytes obtained from orthopaedic surgeons involved in X-ray fluoroscopic surgery	Tomisato Miura	Hirosaki University Graduate School of Health Sciences, Japan
	coffee break	15.45-16.15		next to Auditorium		
	chairs: Paola Fattibene, Antonella Testa	16.15-16.30	71	Contribution of EPR and FISH methods to dose reconstruction for the Southern Urals Population	Marina Degteva	Urals Research Center for Radiation Medicine, Russia
		16.30-16.45	67	Model for estimation of mean doses absorbed in peripheral blood T-lymphocytes after local bone marrow exposure (based on the Techa River study)	Evgenia Tolstykh	Urals Research Center for Radiation Medicine, Russia
		16.45-17.00	48	Application of EPR tooth dosimetry for validation of the uncertainties of calculated external doses: experience in dosimetry for the Techa River cohort	Elena Shishkina	Urals Research Center for Radiation Medicine, Russia
		17.00-17.15	87	Assessment of exposure doses to uranium personnel of the mining enterprise and the population of the adjacent territories of Northern Kazakhstan using tooth enamel EPR method	Kassym Zhumadilov	L.N. Gumilyov Eurasian National University, Kazakhstan
	welcome reception	17.30-19.00		HMGU canteen		

Wednesday, 13.06.18

morning / perm. ID #	session	time	abstract ID	titel	speaker	affiliation
	EPR dosimetry and dating	8.30-9.00	163	ESR dosimetry of fossil tooth enamel: current status and challenges	Mathieu Duval	Centro Nacional de Investigación sobre la Evolución Humana (CENIEH), Spain and Australian Research Centre of Human Evolution, Environmental Futures Research Institute, Griffith University, Australia
	chairs: Shin Toyoda, Maurizio Marrale	9.00-9.15	108	ESR dating of Notiomastodon platensis teeth from João Dourado, Bahia, Brazil	Angela Kinoshita	Universidade do Sagrado Coração, Brazil
		9.15-9.30	117	ESR dating on a late Pleistocene fossil from the Mirim Lake, southern Brazilian coast	Oswaldo Baffa	Universidade de São Paulo/FFCLRP, Brazil
		9.30-9.45	122	ESR Dating Teeth from Medzhibozh, Ukraine: Using Isochrons to Track U Uptake in a Middle Pleistocene Open-Air Site	Bonnie Blackwell	Williams College, USA
		9.45-10.00	129	The development of in-vivo electron-paramagnetic resonance tooth dosimeter at SNU	Jong In Park	Seoul National University, Republic of Korea
		10.00-10.15	136	EPR investigation of new generation of smartphone touchscreen glass for radiological accident application	Francois Trompier	Institute for Radiological Protection and Nuclear Safety, France
		10.15-10.30	60	Characterization of a lithium formate EPR-dosimetry system for proton radiation therapy.	Tatiana Costa	Linköping University, Sweden
	coffee break	10.30-11.00		next to Auditorium		
		11.00-12.30		Poster exhibition / presentation		
	lunch break	12.30-13.30		next to Auditorium		

afternoon / perm. ID #	time	abstract ID	titel
(Wednesday, 13.06.18)	to be determined		Conference tour

Thursday, 14.06.18

morning / perm ID #	session	time	abstract ID	titel	speaker	affiliation
	Biological and EPR dosimetry for emergency I	8.30-9.00	151	Operational basis and capacity of the RENEB network	Andrzej Wojcik	Stockholm University, Sweden
	chairs: Laurence Roy, Harold Swartz	9.00-9.15	75	RABIT-II-DCA: Automating the Dicentric Chromosome Assay using a commercial robotic platform	Guy Garty	Columbia University, USA
		9.15-9.30	76	Population-scale biodosimetry with the Automated Dicentric Chromosome Identifier and Dose Estimator (ADCI) software system	Schaimaa Ali	University of Western Ontario, Canada
		9.30-9.45	80	FDXR is a biomarker of radiation exposure in vivo	Grainne O'Brien	Public Health England, UK
		9.45-10.00	91	Non-Coding RNAs as Biomarkers for Radiation Biodosimetry	Molykutty Aryankalayil	National Cancer Institute, USA
		10.00-10.15	133	The higher detections of dicentric chromosomes in metaphases and in prematurely condensed chromosomes permit to reevaluate the dose effect curves with low dose exposure.	Michelle Ricoul	Alternative Energies and Atomic Energy Comission (CEA), France
		10.15-10.30	109	Recent Advances in the Imaging Flow Cytometry Cytokinesis-Block Micronucleus Assay for Radiation Biodosimetry	Ruth Wilkins	Health Canada, Canada
	coffee break	10.30-11.00		next to Auditorium		
	Biological and EPR dosimetry for emergency II	11.00-11.30	160	Biological and EPR dosimetry for emergency	Francois Trompier	Institute for Radiological Protection and Nuclear Safety, France
	chairs: Alexander Romanyukha, Marco Valente	11.30-11.45	57	Radiation dose, a predictor with limitations regarding patient outcome and clinical support needs of the ARS	Matthias Port	Bundeswehr Institute of Radiobiology, Germany
		11.45-12.00	30	EPR dosimetry in TBI patients - a feasibility study and assessment of reliability of the method in nails irradiated in vivo	Bartłomiej Ciesielski	Medical University of Gdańsk, Poland
		12.00-12.15	97	A comparative study of EPR and TL signals in Gorilla® glass samples for potential emergency dosimetry	Stephen McKeever	Oklahoma State University, USA
		12.15-12.30	103	An advance in EPR dosimetry technique with nails	Sergey Sholom	Oklahoma State University, USA
	lunch break	12.30-13.30		next to Auditorium		

afternoon / perm. ID	session	time	abstract ID	titel	speaker	affiliation
	Biological and EPR dosimetry for emergency II (cont.)	13.30-13.45	112	Criticality dosimetry based on alanine pellets: state of the art and new developments	Alexander Romanyukha	Naval Dosimetry Center, USA
	chairs: Alexander Romanyukha, Marco Valente	13.45-14.00	59	Retrospective ESR/EPR cattle tooth enamel doses given by the radioactive nuclei released by the accident of Fukushima Dai-ichi atomic power plants	Shin Toyoda	Okayama University of Science, Japan
	Networking in Biological and EPR dosimetry, QA&QM	14.00-14.30	161	The standardization of physical and biological tools for a better evaluation of the dose in emergency situations and research projects	Laurence Roy	Institute for Radiological Protection and Nuclear Safety, France
	chairs: Andrzej Wojcik, Sergey Sholom	14.30-14.45	22	Results of a global inter-laboratory comparison on the cytogenetic and genomic assays in the frame of the European Network of Biodosimetry - RENEB	Éric Gregoire	Institute for Radiological Protection and Nuclear Safety, France
		14.45-15.00	54	RENEB - network contribution to emergency preparedness and response	Ulrike Kulka	Federal Office for Radiation Protection, Germany
		15.00-15.15	51	A network of networks in biodosimetry – partnerships between EURADOS Retrospective Dosimetry WG10 and RENEB	Elizabeth Ainsbury	Public Health England, UK
		15.15-15.30	119	Proposal for a European Metrology Network for Metrology Support to Radiobiology and Biological Dosimetry	Hans Rabus	Physikalisch-Technische Bundesanstalt (PTB), Germany
		15.30-15.45	154	Concepts of Operations for a U.S. Biodosimetry Network	Nicholas Dainiak	Radiation Emergency Assistance Center/Training Site, ORISE/Department of Energy, USA
	coffee break	15.45-16.15		next to Auditorium		

		16.15-17.45		Poster exhibition / presentation		
	Departure	18.00		Conference dinner, poster price award		

Friday, 15.06.18

morning / perm. ID # session	time	abstract ID	titel	speaker	affiliation
IABERD executive committee	7.00-8.30		HMGU Campus, BFS building, Room E130		invited only
Biological and EPR dosimetry for medicine I	8.30-9.00	157	Contribution of biodosimetry for different medical issues	Michael Abend	Bundeswehr Institute of Radiobiology, Germany
chairs: Anne Vral, Wolfgang Dörr	9.00-9.15	26	The effects of chronic inflammation on chromosomal aberrations and DNA damage after 1.0 Gy X-ray irradiation in type 2 diabetes mouse model	Valerie Swee Ting Goh	Hirosaki University School of Health Sciences, Japan
	9.15-9.30	38	Application of biodosimetry techniques to determine the biological effects of heavy ions in human lymphocytes	Prakash Hande	National University of Singapore, Singapore
	9.30-9.45	84	Biological effects in non-target tissues observed in nuclear medicine patients undergoing radium-223 chloride ($^{223}\text{RaCl}_2$) therapy	Antonella Federica Testa	(ENEA), Italy
	9.45-10.00	114	Automated scoring of dicentric chromosomes to investigate age dependent radiosensitivity after Computer Tomography (CT)	Ursula Oestreicher	Federal Office of Radiation Protection, Germany
	10.00-10.15	153	A new methodology for diagnosis of Fanconi Anemia from biological dosimetry.	Ademir Amaral	Federal University of Pernambuco, Brasilien
	10.15-10.30	6	Clinical Applications of Biomarkers of Radiation Exposure: Limitations and Possible Solutions through Coordinated Research	Oleg Belyakov	International Atomic Energy Agency, Austria
coffee break	10.30-11.00		next to Auditorium		
Biological and EPR dosimetry for medicine II	11.00-11.15	19	Dosimetry with alanine/ESR in magnetic fields	Raya Roshana Gallas	Physikalisch-Technische Bundesanstalt (PTB), Germany
chairs: Angela Kinoshita, Octavia Monteiro Gil	11.15-11.30	46	The effect of a strong magnetic field in alanine dosimetry	Sebastian Galer	National Physical Laboratory, USA
	11.30-11.45	146	EPR/alanine dosimetry for verification in Helical Tomotherapy Stereotactic Radiosurgery (HT SRS) treatments	Maurizio Marrale	University of Palermo, Italy
	11.45-12.00	140	Clinical Applications using in vivo EPR, adapted from Advancements in in vivo EPR Dosimetry	Ann Barry Flood	Geisel School of Medicine at Dartmouth, USA
	12.00-12.15		CLOSURE		
IABERD general assembly	12.15-13.15		Auditorium		

afternoon	satellite meetin	time			
(Friday, 15.06.18)	ISO Working Group 18 - Biological Dosimetry	14.00-18.00		HMGU Campus, BFS building, Room E128/29	invited only
	ISO Working Group 18 - EPR	14.00-18.00		HMGU Campus, building 34 Seminar Room, room 119	invited only