			Mond	lay 15 February					
		Session - Room 2	Chair	Title	Speaker				
12:00	13:00			Lunch					
13:00	13:30	•	opening: Manjit Dosanjh (Confe ector for Research and	-					
13:30	14:00			A comprehensive omics approach for development of prognostic or predictive biomarkers in squamous cell carcinoma of the head and neck treated with radiation	Michael Story (US)				
14:00	14:30			What are the Dominant Radiobiological Mechanisms at Play in Stereotactic Radiotherapy?	David Brenner (US)				
14:30	14:45	Radiobiology	Marco Durante Kevin Prise	The symbiosis of science of radiation biology with immunology: Impact on basic and translational research	Ahmed Mansoor (US)				
14:45	15:00		Keviii Fiise	The relevance of DNA damage clustering on the nanometer and micrometer scale for the quantitative prediction of radiation effects	Michael Scholz (DE)				
15:00	15:15			Correlation of Particle Traversals with Clonogenic Survival Using Cell-Fluorescent Ion Track Hybrid Detector					
15:15	15:30			Radiation induced DNA damage in human uveal melanoma cells	Katarzyna Jasińska (PL)				
15:30	16:00			Coffee break					
16:00	16:15			Quantum dots imaging tests on SPAD for nanodosimetric applications	Alberto Quaranta (IT)				
16:15	16:30	Radiobiology	Marco Durante Kevin Prise	Disruption of telomere equilibrium sensitises human cancer cells to DNA repair inhibition and radiation	Prakash Hande (AT)				
16:30	16:45			Investigating the impact of a variable RBE on proton dose fractionation across an actively scanned spread-out Bragg peak	Kevin Prise (GB)				
16:45	17:15			Molecular imaging for theranostics	Wim Oyen (GB)				
17:15	17:30	Nuclear Medicine	Thomas Beyer Osman Ratib	Early variation of FDG-PET radiomics features in NSCLC is related to overall survival - the "delta radiomics" concept	Ralph Leijenaar (NL)				
17:30	.7:30 18:00			How to produce scandium-44 and scandium- 43 efficiently?	Charlotte Duchemin (FR) Katharina Domnanich (CH) Jerzy Jastrzębski (PL)				

	1		Tuesda	y 16 February	
		Session - Room 2	Chair	Title	Speaker
08:30	09:00			Quantitative Theranostics in Nuclear Medicine	Michael Lassmann (DE)
09:00	09:15			Manufacturing and Nuclear Medicine Applications of the Novel Isotope Sn- 117m	Nigel Stevenson (US)
09:15	09:30	Nuclear Medicine	Thomas Beyer Osman Ratib	Contribution of direct and bystander effects to therapeutic efficacy of alpha- RIT using ²¹² Pb-labeled mAbs	Jean-Pierre Pouget (FR)
09:30	09:45			⁶⁴ Cu-Labeled Folate Radioconjugate for PET Imaging of Folate Receptor-Positive Tumors	Renata Farkas (CH)
09:45	10:00			Radiolabeled Acridine Orange (AO) Derivatives as DNA-Targeted Probes for Auger Therapy	Antonio Paulo (PT)
10:00	10:30			Coffee break	
10:30	11:00			Imaging for online control of particle therapy	Thomas Bortfeld (US)
11:00	11:30			First clinical application of a prompt gamma based in vivo proton range verification using a knife-edge slit camera	Christian Richter (DE)
11:30	11:45	Detectors & Imaging	Denis Dauvergne Alberto Del Guerra	New Results with Monolithic Scintillators for Time-of-Flight PET	Dennis Schaart (NL)
11:45	12:00			Development of a High Resolution Module for PET scanners	Gianluca Stringhini (CERN)
12:00	12:15			J-PET: a novel TOF-PET scanner based on plastic scintillators	Pawel Moskal (PL)
12:15	12:30			Development of a radioguided surgery technique with beta- decays in brain tumor resection	Riccardo Faccini (IT)
12:30	13:30			Lunch	
13:30	13:45			Range Verification with Ionoacoustics: simulations and measurements at a clinical proton synchro-cyclotron	Sebastian Lehrack (DE)
13:45 14:00	Detectors & Imaging	Denis Dauvergne Alberto Del Guerra	Measurement of Acoustic Emissions Generated by a Pulsed Proton Beam from a Hospital-Based Clinical Cyclotron	Kevin Jones (US)	
14:00	14:15			Fast Beam Profile Monitors for Microbeam Radiation Therapy	Bjarne Stugu (NO)

14:15	14:45	New Technologies		MRI for external beam radiotherapy guidance	Jan Lagendijk (NL)
14:45	15:00			MRI Guided Proton Therapy: pencil beam scanning in an MRI fringe field	Brad Oborn (AU)
15:00	15:15		Wolfgang Enghardt	Nanoparticle Enhanced MRI-Guided Radiation Therapy: Final proof of concept before phase I trial	Shady Kotb (FR)
15:15	15:30		Hans-Peter Meinzer	Hadron minibeam radiation therapy: feasibility study at the Heidelberg Ion- Beam Therapy Center (HIT)	Immaculada Martínez-Rovira (FR)
15:30	15:45			Evaluation of long-term effects of synchrotron-generated microbeams on rat hippocampal neurogenesis	Alberto Bravin (FR)
15:45	16:15			Coffee break	
16:15	16:45			Big Data in Radiation Oncology: data gathering, data processing, algorithms and clinical impact	Klaus Maier-Hein (DE)
16:45	17:00			Expert knowledge and data-driven Bayesian Networks to predict post-RT dyspnea and 2-year survival	Timo Deist (BE)
17:00	17:15	New Technologies	Wolfgang Enghardt Hans-Peter Meinzer	Dosimetry of ultra high dose rate irradiation for studies on the biological effect induced in normal brain and GBM	Kristoffer Petersson (CH)
17:15	17:30			Geant4 coupled with Comsol heat transfer simulations to determine correction factors of a novel micro- calorimeter	Kamran Fathi (GB)

		Public talk introduction by Fabiola Gianotti (Director-General, CERN)
18:30	19:30	Public talk - Sound for Health - Domenico Vicinanza

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		Session - Room 2	Chair	Title	Speaker	Session - Room 3	Chair	Title	Speaker			Session - Room 4	Chair	Title	Speaker								
08:30	09:00	ESTRO lecture	Yolande Lievens	How emerging trends in basic research & technology will shape clinical research?	Eric Deutsch (FR)																		
09:00	09:30			Is Distributed learning the solution for Rapid Learning Health Care?	Philippe Lambin (NL)																		
09:30	10:00	Plenary session	Ugo Amaldi Norman Coleman	Biological stratification in times of highly conformal radiotherapy - status and perspectives	Michael Baumann (DE)																		
10:00	11:00			Coffee and poster viewing																			
11:00	11:30			Biological issues and their clinical implications in proton therapy	Radhe Mohan (US)	1																	
11:30	12:00	Plenary session	Ugo Amaldi Norman Coleman	Single particle detection for spectroscopic CT and tracking in hadron therapy using Medipix chips	Michael Campbell (CH)																		
12:00	13:00			Lunch Exhibitor presentations																			
														Urethra-sparing SBRT for prostate cancer:									
								Proton Radiation Therapy: Current		13:00	13:15			dosimetric optimization with VMAT vs. IMRT and the learning curve effect	Thomas Zilli (CH)								
13:00	13:25			New hypoxia probe development based on mass spectrometry	Brad Wouters (CA)			Status at Massachusetts General Hospital	Thomas DeLaney (US)	13:15	13:30			A novel method to predict a priori the toxicity reduction of a prostate-rectum spacer: Virtual Rectum Spacer	Ben Vanneste (NL)								
13:25	13:50	Novel approaches in imaging	Philippe Lambin	The role of functional imaging for radiation oncology – The whole	Esther Troost (DE)	Particle therapy (I) Session sponsored by	Jürgen Debus Hirohiko Tsujii	MedAustron - status and vision	Eugen Hug (AT)	13:30	13:45	Proffered papers- clinical	Carlo Greco	Local Tumor Flare Following Radiosurgery and Ipilimumab (Ipi) for Melanoma Brain Metastases: Increased Immune Response?	Caroline Chung (CA)								
13.25	13.30											translational chain from animals to clinics		ENLIGHT			Luger Hug (AT)	13:45	14:00			Response-based Bayesian Network Approaches for Adaptive Radiotherapy of Non-Small Cell Lung Cancer (NSCLC)	Randall Ten Haken (US)
13:50	14:15			Is dual energy CT the next standard imaging modality for radiotherapy? Wouter van Elmpt (NL)				Particle therapy centre in Shanghai	Zhen Zhang (CN)	14:00	14:15			Further Development of Spinal Tissue Radiotherapy Re-treatment Modelling, with inclusion of Hadrontherapy	Bleddyn Jones (GB)								
										14:15	i 14:25			Proton Minibeam Radiation Therapy (pMBRT): implementation at a clinical center	Cécile Peucelle (FR)								
14:15	14:40			The Biology of Single Dose Radiotherapy	Zvi Fuks (US)			Current and future strategies developed at Paul Scherrer Institute	Alessandra Bolsi (CH)	14:25	14:35			Investigation of the use of inhomogeneous fractional dose distributions in IMPT to improve the therapeutic index	Lorenzo Manganaro (IT)								
						-				14:35	14:45			Accuracy of portal dosimetry in hybrid IMRT and VMAT treatment of the prostate	James Bedford (GB)								
44.40	45.05			Are there common signaling pathways among highly radioresistant tumors?				Optimizing prostate cancer		14:45	14:55			ODSH as a countermeasure for radiation- induced thrombocytopenia: Dosimetric studies	Stephen Avery (US)								
14:40	15:05	Panel discussion Therapeutic targets: towards	a T	a T a	a T a	The examples of high grade gliomas and sarcomas	Elizabeth Moyal (FR)	Panel discussion Optimizing treatment planning	S øren Bentzen Hans Langendijk	irradiation: from technology to fractionation	Raymond Miralbell (CH)		15:05	Oral poster presentation- Physics/Biology	Dag-Rune Olsen	Measurements of Reactive Oxygen Species production induced by Gold Nanoparticles in Radiotherapy protocols	Piergiorgio Cerello (IT)						
		the cutting edge				and delivery		Technological advancement in		15:05				Nanox TM : A new multiscale theoretical framework to predict cell survival in the context of particle therapy	Micaela Cunha (FR)								
15:05	15:30			HIF-related therapeutic windows	Amato Giaccia (US)			radiation oncology	Hak Choy (US)	15:15	15:25			Simulation of cell survival for proton broad and minibeam radiotherapy with hexagonal and square minibeam alignment	Matthias Sammer (DE)								
										15:25	15:35			Microbeam Radiation Therapy (MRT): achievements and future perspectives	Elke Bräuer-Krisch (FR)								
15:30	15:55			Vascular disrupting agents: a new avenue of research	Michael Horsman (DK)			Main challenges in adaptive radiotherapy	Jan-Jakob Sonke (NL)	15:35	15:45			The role of adipose stromal cells for reversal of radiation fibrosis	Fei-Fei Liu (CA)								

16:30	16:55	Novel strategies		Oncolytic viruses	Kevin Harrington (GB)	Novel strategies to overcome cancer		Pelvic tumor irradiation: new tools to reduce toxicity: from technology to drugs	Karin Haustermans (BE)	<u>16:45</u> 17:00		
16:55	17:20	to overcome cancer (I): Immunology- based attacks	Marcel Verheij	Synergy of radiotherapy and cancer vaccines in HPV-positive tumors	Eric Deutsch (FR)	(II): Enhancing the ratio between tumor cell killing and normal tissue protection	Raymond Miralbell	Towards a new type of irradiation	Jean Bourhis (CH)	17:15	Proffered papers - Emerging technologies	Vincenzo Marco S
17:20	17:45			Radiotherapy and the immunocytokine L19-IL2: a perfect match for an abscopal effect with long-lasting memory	Ludwig Dubois (NL)			Treatment outcome in patients treated with single-dose irradiation (SDRT) for oligometastatic disease	Carlo Greco (PT)	17:45		

19:00 Gala dinner with Keynote by Vytenis Andriukaitis, EC Health Commissioner

	Geometrical interpretation of TOF PET raw data in commercial PET-CT scanner for SNR optimization	Chiara Gianoli (DE)
	Characterization and test beam results of a LaBr3 Compton Telescope for treatment monitoring	Gabriela Llosá (ES)
o Patera o Silari	Small Large Momentum Acceptance Gantries for Proton and Carbon Cancer Therapy	Dejan Trbojevic (US)
	X-Ray Phase contrast micro-imaging in neuroscience	Giacomo Barbone (DE)
	Water based 3D optical dose imaging for particle therapy	Oksana Kavatsyuk (NL)

	:	Session - Room 2	Chair	Title	Speaker		Session - Room 3	Chair	Thursday 18 February Title	Speaker			Session - Room 4	Chair	Title	Speaker
08:15 08	08:50	2 GH Fletcher Lecture	James Cox	Multimodality Precision Medicine	Søren Bentzen (US)		11		-1		<u> </u>					
08:50 09	9:15	Panel		Trials in USA	James Cox (US)				The search for genetic predictors of radiotherapy response	Dirk De Ruysscher (BE)						
09:15 09	9:40	discussion Clinical Trials for particle	Vikram Bhadrasain Roberto Orecchia	Trials in Germany	Jürgen Debus (DE)		Genomics	Simon Powell	RSI: A genomic signature of radiosensitivity	Peter A. Johnstone (US)						
99:40 10		therapy		Clinical trials for carbon-ion radiotherapy in Japan	Hirohiko Tsujii (JP)				Radiomics in Liquid Biopsies	Frederic Zenhausern (US)						
0:05 10				Radiotherapy quality assurance platform of the	Damien Weber (CH)	Coffee bi			Study of the radiation produced by therapeutic He, C and O ion beams impinging on a PMMA target	Alessio Sarti (IT)	10:30	10:45			The effect of fractionated administration of thalidomide at γ- ray irradiation on tumor response and lung metastasis	Shin-ichiro Masunaga (JP)
10:52 1	1:02			EORTC	André Branquinho (BE)	10:45 11:00			Short-lived Positron Emitters in Beam-on PET Imaging During Proton Therapy	Tom Buitenhuis (NL)		11:00			Predictive Biomarkers for Improving Radiation Therapy	Pataje Prasanna (US)
1:02 1:	1:24			Synergy of targeted agents and radiotherapy	Sofia Rivera (FR)	11:00 11:15	Proffered papers - Detectors and	Paul Lecoq Katia Parodi	DoPET: an in-treatment monitoring system for particle therapy	Valeria Rosso (IT)	11:00	11:15			Targeted Radionuclide Therapy with ¹⁶¹ Tb: Investigation of Anti-Tumor Effects and Undesired Side Effects	Cristina Müller (CH)
1:24 1:		EORTC session	Wilfried Budach Sofia Rivera	Lessons from translational research in EORTC Glioma	Monika Hegi (CH)	11:15 11:30	Imaging		Commissioning of a Compton camera for ion beam range verification via prompt gamma detection using low-energy and clinical particle beams	Saad Aldawood (DE)	11:15	11:30	Proffered papers - Radiobiology	Ulli Köster Mechthild Krause	The relationship between absorbed dose and DNA Damage in Lymphocytes after radionuclide therapy	Uta Eberlein (DE)
.1.24	.1.40			trials	monika negi (ch)	11:30 11:45	5		Prompt Gamma-ray Timing experiment during different modalities of proton beam delivery	Thomas Kormoll (DE)		11:45			Modeling the effect of symmetrical division of cancer stem cells on tumour response to radiation	Loredana Marcu (RO)
1:46 12	.2:10			Data from the EORTC Cancer Survivorship Task Force	Conny Vrieling (CH)						11:45	12:00			A dose response analysis of the patients treated with Boron Neutron Capture Therapy (BNCT) in Finland in 1999 to 2011	Hanna Koivunoro (FI)
2:00 13	3:00								Lunch Start-up presentations							
13:00 13	.3:30	European School of Oncology - E. van der Schueren Award	Fedro Peccatori	Tackling Phenotypic Diversity to Increase Cures	Brad Wouters (CA)											
3:30 13	.3:55			In-vitro RBE	Marco Durante (DE)				Novel anti-tumor agents targeting cell membrane	Marcel Verheij (NL)	13:30	13:45			Towards analytic dose calculation for MR guided particle beam therapy Experimental dosimetric comparisons of protons, helium, carbon and	Hermann Fuchs (AT)
3:55 14		Revisiting RBE	Jens Overgaard	Carbon ion radiotherapy: do we understand each other? How to compare differentt PBE weighted doce systems	Piero Fossati (IT)		Novel strategies to overcome cancer: Tumor cell radiosensitivity	Jacques Bernier Jean Bourhis	Stroma mediated wound healing signals and cell response to radiation	Marie-Catherine Vozenin (CH)	13:45 14:00	14:00	Proffered papers - Physics	Thomas Bortfeld	oxygen ion beams Implementation of an analytical solution to lateral dose prediction in a proton therapy treatment planning system	Thomas Tessonnier (DE) Valentina Elettra Bellinzona (l'
				RBE-weighted dose systems in the clinical setting.			modulation					14:30			Utilizing CBCT data for dose calculation in adaptive IMPT	Christopher Kurz (DE)
4:20 14	4:45			Physics and RBE	Tony Lomax (CH)				Targeting tumor heterogeneity	Gerben Borst (NL)					Can we replace high quality simulation CT by simple kV-cone- beam CT images to extract an externally validated radiomics signature?	Janita van Timmeren (NL)

								The International Cancer Expert Corps (ICEC): Implementing a global		16:15	16:30			Radiation treatment monitoring using multifunctional imaging in prostate tumour xenografts	Natalia Arteaga-Marrero (NO)
16	:15 16:	:40		Current status of particle therapy at CNAO	Roberto Orecchia (IT)			force to address the catastrophic rise in cancer in the developing world	Norman Coleman (US)	16:30	16:45			Robustness and reliability of PET- based identification and quantification of tumor hypoxia, using simple static or more complex scan acquisitions	Morten Busk (DK)
16	:40 17:		article therapy (II)	Integration of economic	Yolande Lievens (BE)	Emerging challenges in combating cancer	Vincent Grégoire	Targeted Treatment for the Non-	Ritsuko Komaki (US)	16:45	17:00	Proffered papers - Biology	Amato Giaccia Michael Horsman	Variable RBE in proton therapy: comparison of model predictions and their impact on clinical-like cranial lesions	Julia Bauer (DE)
				data in clinical trials	rolande Lievens (DL)			Small Cell Lung Cancer		17:00	17:15			Inhibiting the actions of cathepsin L effects both tumour initiation and metastasis formation	Thomas Wittenborn (DK)
17	:05 17:	:30		Current status of particle therapy in The Netherlands	Hans Langendijk (NL)			Magnetic resonance temperature imaging in clinical hyperthermia: past experience and prospects	Peter Wust (DE)	17:15	17:30			Plerixafor Improves Local Control and Reduces Metastases in Cervical Cancer Treated with Radiotherapy and Chemotherapy	Michael Milosevic (CA)

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		Session - Room 2	Chair	Title	Speaker			Session - Room 3	Chair	Title	Speaker			Session - Room 4	Chair	Title	Speaker																
08:30	08:55			Genetic and pharmacological inhibition of autophagy after	Kasper Rouschop (NL)	08:30	08:40			MEDICIS-PROMED : a ITN Marie-Curie network on nuclear medicine and 11C- based hadron-therapy	Johanna Pitters (AT)	08:30	08:40			Comparison of Arterial Input Functions by Magnitude and Phase Signal Measurement in DCE MRI of brain cancer patients	Catherine Coolens (CA)																
				irradiation		08:40	09:05			MEDICIS-PROMED: MEDICIS- Produced Radioisotope Beams for Medicine an	John Prior (CH)	08:40	08:50			Fast calibration of the range of Carbon ions with in-beam PET of Boron-8 nuclei	Caterina Cuccagna (CH)																
										Innovative Training Network		08:50	09:00			An online beam monitor detector for medical applications of ion beams	Saverio Braccini (CH)																
08:55	09:20	Biomolecular mechanisms driving modulation of tumor cell sensitivity	Zvi Fuks Martin Pruschy	Oncometabolite lactate promotes tumour growth	Pierre Sonveaux (BE)	09:05	09:02	MEDICIS - PROMED program	Osman Ratib Thierry Stora	Recurrent glioblastoma multiforme – targeted alpha	Frank Bruchertseifer (DE)	09:00	09:10	Oral poster presentation- Detectors and Imaging	Michael Campbell Mike Walig órski	The GEMPIX detector for energy deposition measurements in Hadrontherapy	Fabrizio Murtas (IT)																
						05.05	03.02			therapy with 213Bi-DOTA- Substance P		09:10	09:20			GPU based iterative CBCT for prospective motion compensated algorithm for radiation therapy	Ander Biguri (GB)																
09:20	09:45			Determining cell radiosensitivity using assays in ex vivo irradiated tumour		09:25	09:45			Medical isotope production at TRIUMF and future	Yann Seimbille (CA)	09:20	09:30			Measurements and simulations of in-phantom neutron dose from a proton pencil beam	Kristian Ytre-Hauge (NO)																
09.20	09.45			specimens	Daniel Zips (DE)	09.25	09.45			collaboration with MEDICIS-PROMED	Tann Seimbine (CA)	09:30	09:40			CHIC – A Multi-scale Modelling Platform for in- silico Oncology	Daniel Abler (CH)																
09:45	10:15					1			1	Coffee break		1	I		1																		
10:15	10:40			Conceptual Design report for OpenMED	Ghislain Roy (CERN)	10:15	10:25			The use of ¹⁴⁹ Tb and ¹⁵² Tb in preclinical investigations: an update on its mass separation and subsequent application for imaging and therapy	Nicholas van der Meulen (CH)	10:15	10:25			Clinical validation of the M5L lung Computer- Assisted Detection system	Piergiorgio Cerello (IT)																
			-			10:25	10:35			Design of electronic data processing system for radiotherapy study: lessons learned from VoxTox	Marina Romanchikova (GB)	10:25	10:35			Tuning of a 4D ML reconstruction strategy for treatment verification in ion beam radiotherapy	Katia Parodi (DE)																
10:40	11:05			Manjit Dosanjh	Manjit Dosanjh	Manjit Dosanjh	Manjit Dosanjh				0	o	c		0	0	01	0	c	OPENMED: Topics, Issues and Wishes	Mike Waligórski (PL)	10:35	10:45			Assessment tool to quantify and visualize treatment plan robustness regarding patient setup	Michael Fix (CH)	10:35	10:45			Differential cross sections measurements for hadrontherapy: 50 MeV/n 12C reactions on H, C, Al, O and natTi targets	Clovis Divay (FR)
2010	1100	Panel discussion OPENMED								10:45	10:55	Oral poster presentation- Clinics	Esther Troost	A Hypercellular Component of Glioblastoma Identified by High b-value Diffusion Weighted Imaging	Yue Cao (US)	10:45	10:55	Oral poster presentation - Miscellaneous	Jan Alsner Alessandra Bolsi	Metal implanted multi- functional nanovectors for targeted radiotherapy and diagnostics of cancer	Asénath Etilé (FI)												
						10:55	11:05			Treatment of moving targets with active scanning carbon ion beams	Piero Fossati (IT)	10:55	11:05			The Malthus Project - updated predictions of national radiotherapy demand to 2030	Thomas Mee (GB)																
11:05	11:30			Role of the CERN International Strategy Committee in the LEIR initiative: Biology	Philippe Lambin (NL)	11:05	11:15			Distributed learning: predictive models based on data from multiple hospitals without data leaving the hospital	Arthur Jochems (NL)	11:05	11:15			The use of radiobiological TCP and NTCP models to validate the dose calculation algorithm and readjust the prescribed dose	Jacques Balosso (FR)																

						11:15 11	25		A clinical protocol for Simultaneous Integrated Boost for proton treatment of Head and Neck carcinoma	Francesca Belosi (CH)	11:15	11:25			Status of the CaLIPSO High- Resolution PET Project	Xavier Mancardi (FR)
11:30	12:00								Poster viewing							
12:00	12:45					-		1	Lunch						•	
12:45	13:10			Multimodal approach to assess tumour vasculature and potential treatment effect	Dag Rune Olsen (NO)				Orthotopic tumor models for glioma and NSCLC	Jan Theys (BE)						
13:10	13:35	Panel discussion Targeting Strategies	Daniel Zips	Hypoxia-guided adaptive radiation dose escalation in head and neck carcinoma	Vincent Gregoire (BE)		Preclinical models	Richard Kolesnick	High Performance Preclinical Irradiation Through Optimized Dual Focal Spot Dose Painting and Online Virtual Isocenter Radiation Field Targeting	David Jaffray (CA)			Winning posters	Jacques Bernier Manjit Dosanjh		
13:35	14:00			Microtubule-stabilizing agents with inhibitors of angiogenesis to overcome resistance	Martin Pruschy (CH)				Studying radiotherapy resistance of BRCA1-mutated mammary tumors	Sven Rottenberg (NL)						
14:00	14:25	Research seminar:		Factors of radioresistance in prostate cancer	Mechthild Krause (DE)		Modulating		Balanced checkpoint activation: genomic stability and cell response to radiation	Simon Powell (US)						
14:25		Overcoming cancer radioresistance	Brad Wouters	Targeting NOTCH pathway in Glioblastoma	Marc Vooijs (NL)		response to radiation	Elizabeth Moyal	Macrophage reprogramming for anticancer therapy	Michele De Palma (CH)						
14:50	15:15			Human Sphingolipid Biomarkers of Single Dose Radiotherapy: A Clinical trial	Richard Kolesnick (US)				Focal adhesion signaling and therapy resistance in cancer	Anne Vehlow (DE)						
15:15	15:40		Concluding	remarks	Jacques Bernier (CH) Manjit Dosanjh (CERN)]					-					