

# 2<sup>nd</sup> ESTRO forum

Geneva, Switzerland  
19-23 April 2013



## FRIDAY, 19 APRIL 2013

	ROOM C	ROOM F	ROOM K	ROOM L	ROOM R	ROOM G	ROOM E
	CLINICAL PRE-MEETING COURSE	INTERDISCIPLINARY PRE-MEETING COURSE	PHYSICS PRE-MEETING COURSE	RTT PRE-MEETING COURSE	RADIOBIOLOGY PRE-MEETING COURSE	GEC WORKSHOP	CONTOURING WORKSHOPS
08:00 - 17:00	Joint ESTRO-EANM-ICIS  Molecular imaging and dose painting in Radiation Oncology: dream and reality?	Statistics for radiotherapy data	Challenges of dose verification for new techniques and technologies in external x-ray beam radiotherapy	Applied radiobiology in daily clinical routine	Complex tissue interactions in late effects	Focal therapy for prostate cancer	<ul style="list-style-type: none"> <li>08:00 - 10:00 Breast</li> <li>10:30 - 12:30 CNS</li> <li>13:30 - 15:30 Gynae</li> <li>16:00 - 18:00 OAR in the thoracic region</li> </ul>
18:00 - 19:15	OPENING CEREMONY ► AUDITORIUM • Welcome addresses • Keynote lecture: <i>René Gilbert</i> : A pioneer of modern Radiation Oncology in Geneva <i>Bernardino Fantini</i> , Professor of History of Medicine, University of Geneva Medical School • Entertainment act - <i>Muscatypique</i>					<ul style="list-style-type: none"> <li>Saturday, 20 April 2013 Breast / 08:00 - 10:00</li> <li>Sunday, 21 April 2013 CNS / 08:00 - 10:00</li> <li>Monday, 22 April 2013 Gynae / 08:00 - 10:00</li> <li>Tuesday, 23 April 2013 OAR in the thoracic region / 08:30 - 10:30</li> </ul>	

## SATURDAY, 20 APRIL 2013

	AUDITORIUM	ROOM A	ROOM C	ROOM B	ROOM N	ROOM G	ROOM M	ROOM K	ROOM F
TOPICS OF THE DAY	CLINICAL PRACTICE - THE STATE OF ART	OLIGO-METASTATIC DISEASE: THE OPTIMAL USE OF ALTERNATIVE TREATMENT MODALITIES	THERAGNOSTIC AND IMAGING IN RADIOTHERAPY	THE DOSE3: DOSIMETRY, DELIVERY, (A)DAPTING	GEOMETRIC UNCERTAINTIES	NORMAL TISSUE TOLERANCE: BRIDGE BETWEEN INDIVIDUAL AND POPULATION	THE SMALL VOLUME CHALLENGE		
08:00 - 08:40	TEACHING LECTURE Imaging in prostate cancer: state of art	TEACHING LECTURE The physics of ablative alternatives to (SB)RT	TEACHING LECTURE Techniques and pitfalls in image registration for radiotherapy	TEACHING LECTURE Tissue characterisation for radiotherapy	TEACHING LECTURE Improving treatment accuracy (New challenges in positioning, immobilisation and verification)	TEACHING LECTURE Patient reported outcomes versus clinical assessment of radiotherapy adverse effects	TEACHING LECTURE Consensus on brachytherapy dose - volume parameters in 2013		
08:45 - 10:00	SYMPOSIUM Optimisation in prostate radiotherapy - where do we put our money?	SYMPOSIUM The biology of oligo-metastatic disease	SYMPOSIUM PET quantification	SYMPOSIUM Dosimetry of low and medium energy photon beams in radiotherapy	SYMPOSIUM Improving accuracy in IGRT treatment delivery	SYMPOSIUM Normal tissue tolerance: The lessons of population-based approaches	DEBATE Brachytherapy is the optimal modality for dose escalation in H&N radiotherapy	08:45 - 09:30 POSTER DISCUSSION 1 GEC-ESTRO	08:45 - 09:30 POSTER DISCUSSION 2 Physics: Image guided radiotherapy
10:00 - 10:30	Coffee break								
10:30 - 11:30	PROFFERED PAPERS 1 Clinical: Prostate Cancer	JOINT SYMPOSIUM ESTRO-CARO Management of lung oligo-metastatic disease	PROFFERED PAPERS 1 Physics: Imaging in radiotherapy: Technical developments	PROFFERED PAPERS 2 Physics: Small field challenges	PROFFERED PAPERS 1 RTT: Geometric Uncertainties: A multifactorial problem?	PROFFERED PAPERS 1 PREVENT: Modelling and prediction of normal tissue response	PROFFERED PAPERS 1 GEC-ESTRO: Physics 1	PROFFERED PAPERS 2 GEC-ESTRO: Gynae 1	10:30 - 11:15 POSTER DISCUSSION 3 Clinical: H&N and Lung
11:40 - 12:20	Van Der Schueren Award Lecture ► AUDITORIUM								
12:20 - 13:00	Iridium Award Lecture ► AUDITORIUM								
13:00 - 14:45 LUNCH POSTER VIEWING		13:15 - 14:30 SATELLITE SYMPOSIUM Accuray	13:15 - 14:30 SATELLITE SYMPOSIUM Elekta		13:15 - 14:30 SATELLITE SYMPOSIUM Brainlab	13:15 - 14:30 SATELLITE SYMPOSIUM S.I.T. Sordina IORT Technologies	13:15 - 14:30 SATELLITE SYMPOSIUM RaySearch Laboratories		
14:45 - 16:15	SYMPOSIUM Head & Neck RT in the future: The ultimate individualization	JOINT SYMPOSIUM ESTRO-RANZCR Management of liver oligo-metastatic disease	SYMPOSIUM Functional imaging for radiotherapy dose painting	DEBATE Electrons, the lost particle: Are they still in charge?	SYMPOSIUM Advance practice for RTT research: The geometric uncertainties case	SYMPOSIUM Normal tissue tolerance: Individualized treatment	SYMPOSIUM Brachytherapy as a boost	Session on EU projects	14:45 - 15:30 POSTER DISCUSSION 4 Clinical: Prostate
16:15 - 16:45	Coffee break								
16:45 - 18:00	PROFFERED PAPERS 2 Clinical: Lung and H&N cancer	SYMPOSIUM Management of brain oligo-metastatic disease	PROFFERED PAPERS 3 Physics: Developments in functional imaging	PROFFERED PAPERS 4 Physics: Dose verification for advanced radiotherapy	PROFFERED PAPERS 2 RTT: Geometric uncertainties: Motion management	PROFFERED PAPERS 2 PREVENT: Optimisation of treatment	PROFFERED PAPERS 3 GEC-ESTRO: Prostate	PROFFERED PAPERS 4 GEC-ESTRO: Physics 2	16:45 - 17:30 POSTER DISCUSSION 5 PREVENT: Effects of radiotherapy on normal tissue
18:00	Poster Reception and Poster Awards ► POSTER AREA								

## SUNDAY, 21 APRIL 2013

	AUDITORIUM	ROOM A	ROOM C	ROOM B	ROOM N	ROOM G	ROOM M	ROOM K	ROOM F
TOPICS OF THE DAY	CLINICAL PRACTICE - THE STATE OF ART	RADIOTHERAPY HORIZON SCANNING: HOW DO WE OPTIMALLY PLAN FOR THE FUTURE ?	GEOMETRIC UNCERTAINTIES	THE DOSE3: DOSIMETRY, DELIVERY, (A)DAPTING	DELINEATION OF NORMAL STRUCTURES	NORMAL TISSUE: NEW TREATMENT STRATEGIES	THERAGNOSTIC AND IMAGING IN RADIOTHERAPY		
08:00 - 08:40	TEACHING LECTURE Biomarkers and the prediction of outcome in breast conserving therapy	TEACHING LECTURE MRI implication for Radiation Oncology	TEACHING LECTURE PRV margins and other measures to handle geometrical uncertainties of normal tissue	TEACHING LECTURE A practical guide to radiochromic film dosimetry	TEACHING LECTURE Delineation of normal structures: Where we are and what we are aiming for	TEACHING LECTURE Effect of high doses per fraction	TEACHING LECTURE Integral dose, the hidden danger that brachytherapy avoids		
08:45 - 10:00	SYMPOSIUM Breast	SYMPOSIUM Reshaping the structure of radiotherapy centers for 2020	SYMPOSIUM Rethinking margins in the daily-IGRT and/or ART context	SYMPOSIUM Proton dosimetry	SYMPOSIUM Delineation tools for normal structures	SYMPOSIUM Fibrosis	SYMPOSIUM Imaging for brachytherapy	Session on EU projects	08:45 - 09:30 POSTER DISCUSSION 6 Physics: Dose measurements
10:00 - 10:30	Coffee break								
10:30 - 11:30	PROFFERED PAPERS 3 Clinical: Partial breast irradiation (randomised trials)	SYMPOSIUM Research challenge from Horizon 2020	PROFFERED PAPERS 5 Physics: Image guided and adaptive radiotherapy	PROFFERED PAPERS 6 Physics: Detector developments and characterisation	PROFFERED PAPERS 3 RTT: Delineation of normal structures and treatment planning	PROFFERED PAPERS 3 PREVENT: Cardiac toxicity	PROFFERED PAPERS 5 GEC-ESTRO: Highlights: Best of brachytherapy 2013	10:30 - 11:15 POSTER DISCUSSION 7 RTT	10:30 - 11:15 POSTER DISCUSSION 8 Physics: Dose calculation and planning
11:40 - 12:10	Presidential symposium ► AUDITORIUM								
12:10 - 12:30	Honorary Physicist Award Lecture ► AUDITORIUM								
12:30 - 13:00	ESTRO-Varian Award ► AUDITORIUM ESTRO-Accuray Award ► AUDITORIUM Jack Fowler University of Wisconsin Award ► AUDITORIUM								
13:00 - 14:45 LUNCH POSTER VIEWING		13:15 - 14:30 SATELLITE SYMPOSIUM Varian Medical Systems			13:15 - 14:30 SATELLITE SYMPOSIUM IBA	13:15 - 14:30 SATELLITE SYMPOSIUM Carl Zeiss	13:15 - 14:30 SATELLITE SYMPOSIUM Sun Nuclear	13:00 - 13:45 GEC-ESTRO General Assembly	
14:45 - 16:15	SYMPOSIUM Dose-density in lung cancer	SYMPOSIUM Right now, can clinical choices be based on evidences from large databases?	LOOK INSIDE Adaptive radiotherapy in practice	SYMPOSIUM Emerging technologies in particle therapy	DEBATE This house believes that normal structures delineations should be delegated to RTTs?	SYMPOSIUM Regenerative therapy	SYMPOSIUM Challenges and pitfalls of image-guided gynae brachytherapy	JOINT SYMPOSIUM ESTRO-CIRSE Percutaneous ablation - how it can complement surgery and radiotherapy	14:45 - 15:30 POSTER DISCUSSION 9 Clinical: Breast
16:15 - 16:45	Coffee break								
16:45 - 18:00	PROFFERED PAPERS 4 Clinical: Imaging	SYMPOSIUM Image-based assessment of the response of normal tissues to radiotherapy	PROFFERED PAPERS 7 Physics: Intra-fraction motion management	PROFFERED PAPERS 8 Physics: Proton treatment planning and plan comparison	PROFFERED PAPERS 4 RTT: Treatment planning: Dosimetric considerations	SYMPOSIUM Early biomarkers for late effects in daily practice	PROFFERED PAPERS 6 GEC-ESTRO: Gynae 2	PROFFERED PAPERS 7 GEC-ESTRO: Prostate and miscellaneous	16:45 - 17:30 POSTER DISCUSSION 10 Clinical: Health Economics in Radiation Oncology (HERO)
18:00	General Assembly ► ROOM G								



MONDAY, 22 APRIL 2013

	AUDITORIUM	ROOM A	ROOM C	ROOM B	ROOM N	ROOM K	ROOM M	ROOM G	ROOM F	Young Poster Area
TOPICS OF THE DAY	CLINICAL PRACTICE - THE STATE OF THE ART AND NEW AREA OF ORGAN PRESERVATION	THE CHALLENGE OF BIOLOGICAL TARGETING	CLINICAL AUDIT AND COMPREHENSIVE SAFETY	MODELS AND FASHIONS	THE DOSE3: DOSIMETRY, DELIVERY, (A)DAPTING	THERAGNOSTIC AND IMAGING IN RADIOTHERAPY				
08:00 - 08:40	TEACHING LECTURE Sphincter preservation in anal cancer: The EORTC PARADAC study	TEACHING LECTURE Notch signaling: prospects on cancer diagnosis and treatment	TEACHING LECTURE Risk management	TEACHING LECTURE Statistical methods for fitting of response / biological models to clinical data	TEACHING LECTURE Multi-criteria optimisation algorithms in radiotherapy	TEACHING LECTURE PET for delineation in radiotherapy: Reliability and opportunities	TEACHING LECTURE How to build a successful scientific career: Hints and advice for young scientists	08:00 - 10:00 SYMPOSIUM IORT Breast		
08:45 - 10:00	DEBATE Does this house believe that we can avoid surgery in responder rectal cancer patients?	SYMPOSIUM The impact of Omics and Omics, on radiation oncology	SYMPOSIUM Inaccuracies and near misses in radiotherapy and how to address them	SYMPOSIUM Advanced methods for toxicity predictive models	SYMPOSIUM Flattening filter free linacs	SYMPOSIUM The generation of new imaging modalities: new perspectives	SYMPOSIUM ESTRO Online Educational Programs: what they can offer to young members?		08:45 - 09:30 POSTER DISCUSSION 11 Physics: Imaging: Technologies and applications	
10:00 - 10:30	Coffee Break									
10:30 - 11:30	PROFFERED PAPERS 5 Clinical: Gastrointestinal cancer	SYMPOSIUM Future radiotherapy clinical trials: Salt, paprika & molecular signatures & radiotherapy	SYMPOSIUM Methods for quality management	PROFFERED PAPERS 9 Physics: Treatment planning	PROFFERED PAPERS 10 Physics: Monte Carlo applications in RT	PROFFERED PAPERS 5 RTT: Image Guided radiotherapy: Current perspectives		10:30 - 13:00 PROFFERED PAPERS ISORT Meeting	10:30 - 11:15 POSTER DISCUSSION 12 Physics: Modelling	MOVING POSTER SESSION I • Session 1: Head and Neck • Session 2: Lung and GI • Session 3: GU • Session 4: CNS, Gynaecology, Hematology • Session 5: SBRT, Paediatrics, Imaging
11:40 - 12:20	Highest scoring 2 <sup>nd</sup> ESTRO Forum abstracts ▶ AUDITORIUM									
12:20 - 13:00	Breur award lecture ▶ AUDITORIUM									
13:00 - 14:45	LUNCH POSTER VIEWING									
					13:15 - 14:30 SATELLITE SYMPOSIUM: Scandinos	13:30 - 14:30 Physics Members' General Assembly	European, Canadian and Australian skill-based core curricula for Radiation Oncology: a comparison			
14:45 - 16:15	SYMPOSIUM Cervical cancer	SYMPOSIUM The potential for radiotherapy and targeted therapeutics: First generation studies	SYMPOSIUM The radiobiology of particle therapy	SYMPOSIUM Pre-clinical research: Imaging and delivery challenges	SYMPOSIUM Dose mapping / accumulation in treatment adaptation and evaluation	LOOK INSIDE Treatment reproducibility: Where imaging cannot represent the reality	SYMPOSIUM The ESTRO Young Task Force: What it is, how it works and what it can do for young members	14:45 - 16:00 SYMPOSIUM Imaging in IORT-future developments	14:45 - 15:30 POSTER DISCUSSION 13 Clinical: CNS and Haematology	
16:15 - 16:45	Coffee break									
16:45 - 18:00	SYMPOSIUM Recurrent glioma/ GBM	DEBATE Nanoparticle perspective: This house believes that the most efficient form of physical energy is...	SYMPOSIUM Clinical experience and current evidence (incl. planning studies) for proton therapy	PROFFERED PAPERS 11 Physics: Outcome modeling	PROFFERED PAPERS 12 Physics: Image segmentation and registration	PROFFERED PAPERS 6 RTT: Educational and professional development for RTTs			16:45 - 17:30 POSTER DISCUSSION 14 Clinical: GI and GYN	MOVING POSTER SESSION II • Session 6: Dosimetry, dose calculations and QA • Session 7: Image registration and management of intra- and inter fraction motion • Session 8: Treatment planning • Session 9: MRI and PET in radiotherapy • Session 10: VMAT and stereotactic radiotherapy
18:00										
21:30	Social event									
	Young reception									

TUESDAY, 23 APRIL 2013

	ROOM A	ROOM C	ROOM K	ROOM M	ROOM B	ROOM N
TOPICS OF THE DAY	TAILORING THE TREATMENT: UNCERTAINTIES IN THE STATE OF THE ART!	CLINICAL AUDIT AND COMPREHENSIVE SAFETY	MICROENVIRONMENT		THERAGNOSTIC AND IMAGING IN RADIOTHERAPY	BRACHYTHERAPY FOR RTTs
08:30 - 09:10	TEACHING LECTURE Target volume definition in upper GI malignancies	TEACHING LECTURE Clinical audit	TEACHING LECTURE Collective cancer invasion: an integrin-dependent, normoxic radioresistance niche	TEACHING LECTURE How will the new International Basic Safety Standards influence the medical physics practice	TEACHING LECTURE An overview of imaging techniques for patient positioning	TEACHING LECTURE Modern brachytherapy: the technical opportunities
09:15 - 10:30	JOINT SYMPOSIUM ESTRO-JASTRO Esophageal cancer: standard of practice comparison	SYMPOSIUM New ICRU reports and how they are changing practice...	SYMPOSIUM Hypoxia and Radiotherapy - the state of the science	JOINT SYMPOSIUM ESTRO-EFOMP Dose measurements / indicators in PET / CBCT / CT	SYMPOSIUM New strategies for real-time internal target/ volumetric imaging	JOINT SYMPOSIUM ESTRO-GEC Brachytherapy - Gynae
10:30 - 11:00	Coffee break					
11:00 - 12:15	SYMPOSIUM Lymphoma: to irradiate or not to irradiate		SYMPOSIUM Microenvironment	JOINT SYMPOSIUM ESTRO-AAPM The future of radiotherapy physics 2020	SYMPOSIUM MRI-guidance in radiotherapy	SYMPOSIUM Education of RTTs - new challenges in light of the new core curriculum
12:15 - 13:00	DEBATE ▶ ROOM A The house believes that technology is the obsession but not the answer					
13:00	Conclusive remarks					
14:15	CERN visit					

■ Clinical sessions ■ Interdisciplinary sessions ■ Physics sessions ■ RTT sessions ■ PREVENT sessions ■ GEC-ESTRO-ISORT sessions ■ Young sessions

2<sup>ND</sup> ESTRO forum 2013

CLINICAL & TRANSLATIONAL MEETING

PHYSICS BIENNIAL MEETING

PREVENT MEETING

RTT MEETING

GEC - ESTRO - ISORT MEETING

ESTRO

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