

SCIENTIFIC PROGRAMME AT A GLANCE

Monday 27 February	Tuesday 28 February	Wednesday 29 February	Thursday 1 March	Friday 2 March
Opening Ceremony		Keynote Lecture (ESTRO : Physics)	Keynote Lecture (G.H. Fletcher)	Proffered papers <ul style="list-style-type: none"> Biology, Physics, Clinics.
Radiobiology in therapy and space science <ul style="list-style-type: none"> Missing data in radiation effects in deep space. Missing data for Treatment Planning Systems in ion therapy. Radiobiological research for improving particle therapy. Treatment of radiation-resistant tumours. Future needs. 	Prospects in detectors and medical imaging <ul style="list-style-type: none"> Position-sensitive detectors. Compton cameras. New methods of photon detection. Time-of-Flight for PET. Challenges of hybrid PET/MRI. Fast image reconstruction algorithms for in-situ treatment planning. 	Plenary lectures (1 speaker/topic) <ul style="list-style-type: none"> Physics meet Biology. Physics meet Clinics. In-room Imaging. 	Forum <ul style="list-style-type: none"> Predictive tools: new algorithms. Tumor micro-environment. Physics. 	Symposium <ul style="list-style-type: none"> Cancer stem cells. Tumor radiosensitivity modulation. Physics.
		Plenary lectures (1 speaker/topic) <ul style="list-style-type: none"> Radio-isotopes in therapy. Biological adaptive radiotherapy. Improving precision in imaging and treatment. 	<ul style="list-style-type: none"> <i>EORTC session.</i> Oral Poster Presentation. Oral Poster Presentation. 	Forum <ul style="list-style-type: none"> Repair mechanisms in tumor and normal cells. Drug-radiation interactions. Radiosensitization and radioprotection.
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Radioisotopes in diagnostics and therapy <ul style="list-style-type: none"> 99Mo/99Tc supply and 99Mo production. Therapy of metastases and systemic tumours with radioisotopes. Clinical experience with commercial beta-radioisotopes coupled to antibodies. Role of radiotracers in drug development. 	Novel Technologies and therapy <ul style="list-style-type: none"> New accelerators for medical applications. Gantries for ions. Scanning beams and moving targets. Future developments. 	Symposium (3 speakers/session) <ul style="list-style-type: none"> Tumor targeting and normal tissue protection. Image-guided prescription and planning of RT. Long-term perspectives in Hadrontherapy. 	Keynote Lecture : (G. Adams: Biology).	Workshops <ul style="list-style-type: none"> Tumor vascularization. Targeted therapies: from bench to bedside. Physics.
		Symposium (3 speakers/session) <ul style="list-style-type: none"> New algorithms in treatment planning and delivery. Montecarlo in treatment planning. Status and perspectives in radiology. 	Workshops <ul style="list-style-type: none"> Targeting signaling pathways. Normal tissues: from prediction to facts. Physics. 	Proffered papers <ul style="list-style-type: none"> Biology, Physics. Clinics.
			Proffered papers <ul style="list-style-type: none"> Biology, Physics, Clinics. 	ESO Plenary Session <ul style="list-style-type: none"> 2 Lectures. E. van der Schueren Award <ul style="list-style-type: none"> 1 Lecture.