

EXPERTISE

1. Harmar BRERETON

HARMAR BRERETON, MD	International Cancer Expert Corps (ICEC)
American Board Certification Internal Medicine, Hematology, Medical Oncology and Radiation Oncology Developed and managed network of 7 cancer centers coordinating care and NIH clinical trials	

2. Jeffrey BUCHSBAUM

Title & Name: Jeffrey Buchsbaum, MD, PhD, AM	NCI (US)
Relevant Knowledge/Expertise:	
Pediatric Radiation Oncology	
Immobilization of Patients	
Clinically training	
Error analysis	
Particle Therapy	
Anesthesia in non-hospital settings	
Safety training of RT teams	
Resident Educations	
Clinical trial integration in the clinic	
Process analysis	
Wave guide physics	
Scientific visualization	
Team building (everyone at the meeting can do this)	

3. Marco CALVIANI

Title & Name: Dr. Marco Calviani	Institute: CERN
Relevant Knowledge/Expertise: Applied physicist with background in neutron & nuclear physics, currently in charge of the mechanical engineering section at CERN in charge of the design, construction, operation and maintenance of all CERN's beam intercepting devices, such as particle producing targets, beam shaping collimators as well as dumps and absorbers. Within the section activities, I am in charge of the coordination of innovative materials and production techniques R&D for next generation beam intercepting devices. I have experience in the conceptual design, R&D activities and operation of target stations as well as of dump/shielding assemblies for the whole CERN accelerator complex. As part of the section operational duties, having to deal with the most radioactive objects on the CERN complex, we have experience in remote handling aspects as well as in the design optimisation of equipment in order to facilitate remote handling. I am also Project Leader for the design of the next generation spallation target for the n_TOF experiment, for the Consolidation of the antiproton production target area as well as for the Beam Dump Facility Target Complex Project. I have acted a Technical Coordinator for several target areas.	

4. Marco CARLONE

Title & Name: Marco Carlone	Institute: BC Cancer Agency
Relevant Knowledge/Expertise: <ol style="list-style-type: none">1. Linear accelerators for radiotherapy2. Teaching linear accelerator technology3. Microwave systems4. Electron sources5. Magnetic focussing6. Simulation of linear accelerator physics	

5. Laurence COURT

Title & Name: Laurence Court, PhD	Institute: University of Texas MD Anderson Cancer Center
Relevant Knowledge/Expertise: <ul style="list-style-type: none">• Clinical medical physics• Automated treatment planning• Clinical deployment of new tools	

6. Ivan KONOPLEV

Title & Name: IvanKonoplev, PhD,Prof.	Institute: JAI, University of Oxford
I have over 20 years of experience in research of electron beam acceleration/deceleration in vacuum devices including high-power RF systems and particle accelerators.	

Relevant Knowledge/Expertise:

- Design of RF cavities for accelerators
- Electron beam diagnostics for particle accelerators
- Development of high power RF vacuum devices including, klystrons and magnetrons
- Electron beam dynamics
- Electron beam collectors
- RF system integration

7. Peter MCINTOSH

Title & Name: Peter McIntosh	Institute: STFC
Relevant Knowledge/Expertise: <ul style="list-style-type: none">• Accelerator design and development• Accelerating structures• RF amplifiers• RF stability and control• RF system integration	

8. Eric MONTESINOS

Title & Name: Eric Montesinos, RF power engineer

Institute: CERN

Relevant Knowledge/Expertise:

RF power systems, including tetrode, diacode, klystrons, IOT, Solid State Amplifiers.

RF power couplers, including Fundamental Power Couplers and High Order Modes Couplers.

9. Ceferino OBCEMEA

Title & Name: Ceferino Obcemea	Institute: NCI/ICEC
Relevant Knowledge/Expertise: Board Certified Medical Physicist Many years of experience in all aspects of linac machine operations, commissioning and troubleshooting in a clinical setting of Radiation Oncology Departments of various sizes (from small community hospitals to huge academic medical centers).	

10. Frank VAN DEN HEUVEL

Title & Name: Professor Frank Van den Heuvel	Institute: University of Oxford
Relevant Knowledge/Expertise: Applied Medical Physics	

- Interest in developing standardised plans for treatment of the most relevant cancers in specific environments.
- The treatment plans should be optimised for the capacities included in the linac being developed.
- How can we objectively determine the efficacy of a machine/standard plan combination:
- Needed: What type of treatments are we expecting to treat? What would be the most efficient use of such a machine.

11. Jacob (Jake) Van Dyk

Title & Name: Prof Emeritus, Jacob (Jake) VanDyk	Institute: Western University and London Regional Cancer Program (London, Canada)
Relevant Knowledge/Expertise:	
<ul style="list-style-type: none"> • Practical aspects of radiation therapy physics • Was head of the Physics and Engineering department with a staff of over 30 with 11 Medical Physicists, 9 dosimetrists, 5 engineering technologists, 1 IT specialist, plus other ancillary staff. • The department had 8 Varian linacs and 1 TomoTherapy unit. • We were the implementers of one of the first 3 TomoTherapy machines in the world. • Very much involved in supervising graduate students (MSc, PhD) and residents in radiation oncology medical physics • Research related to uncertainty analysis of the various steps in the radiation therapy process and implementation of new techniques and technologies in radiation therapy • Involved in some publications addressing economic analysis of the global radiotherapy problem • Involved as technical consultant with the IAEA in Vienna for 2 years as well as organizing and teaching many IAEA courses throughout the world. • Published 3 volumes on "The Modern Technology of Radiation Oncology". • Main founder of Medical Physics for World Benefit (www.mpwb.org), an altruistic organization to provide intellectual/mentoring medical physics support to less advantaged environments 	

12. Eduardo ZUBIZARRETA

Title & Name: zubi - Eduardo Zubizarreta MD	Institute: IAEA
Relevant Knowledge/Expertise: Global radiation oncology, economics, resource calculation	