The Abdus Salam International Centre for Theoretical Physics

Workshop on Biomedical Applications of High Energy Ion Beams

Cosponsor(s): Co-sponsored by ICGEB and University of Surrey; in collaboration with IAEA
Organizer(s): Directors: K. Kirkby, M. Folkard, C. Tuniz, N. Dytlewski
Trieste - Italy, 12 - 16 February 2007

Venue: Adriatico Guest House Giambiagi Lecture Hall

Final programme

Monday, 12 February 2007 (Room:Adriatico Guest House Giambiagi Lecture Hall)

08:30 - 10:00	--- Registration ---
10:00 - 10:30	**Welcome, Introduction and Opening Remarks** (Dr. Decio Ripandelli - International Centre For Genetic Engineering And Biotechnology (ICGEB), Italy) (Dr. Karen Kirkby - Surrey Ion Beam Centre, University of Surrey, U.K.)
10:30 - 11:00	--- Coffe Break ---
11:00 - 12:30	**Prof. Mauro Giacca** / *International Centre For Genetic Engineering And Biotechnology (ICGEB), Italy* **Studying Biomedical Materials**
12:30 - 14:00	--- Lunch ---
14:00 - 15:30	**Dr. Jolyon Hendry** / *International Atomic Energy Agency (IAEA), Austria* **Radiobiology**
15:30 - 16:00	--- Coffe Break ---
16:00 - 17:30	**Prof. Kevin Prise** / *Radiation Oncology and Biology Unit, Gray Cancer Institute, U.K.* **Non Targeted Effects**

Tuesday, 13 February 2007 (Room:Adriatico Guest House Giambiagi Lecture Hall)

09:00 - 10:30	**Prof. Melvyn Folkard** / *Radiation Oncology and Biology Unit, Gray Cancer Institute, U.K.* **Microbeam Technology**
10:30 - 11:00	--- Coffe Break ---
11:00 - 12:30	**Prof. Borivoj Vojnovic** / *Radiation Oncology and Biology Unit, Gray Cancer Institute, U.K.* **Cell and Tissue Imaging**
12:30 - 14:00	--- Lunch ---
14:00 - 15:30	**Dr. Norman Kirkby** / *School of Engineering, University of Surrey, U.K.* **Cell Cycle Models And Modelling Cellular Response To Radiation**
15:30 - 16:00	--- Coffe Break ---
16:00 - 17:30	**Dr. Stanislav Vatnitskiy** / *International Atomic Energy Agency (IAEA), Austria* **Dosimetry & Medical Physics**
19:00 - 21:00	--- Reception ---

Wednesday, 14 February 2007 (Room:Adriatico Guest House Giambiagi Lecture Hall)

09:00 - 10:30	**Dr. Raj Jena** / *University of Cambridge Department of Oncology, U.K.* **Tumour Response To Radiotherapy**
10:30 - 11:00	--- Coffe Break ---
11:00 - 12:30	**Dr. Norman Kirkby** **Modelling Patient Outcomes To Radiotherapy**
12:30 - 14:00	--- Lunch ---
14:00 - 15:30	**Prof. Bleddyn Jones** / *Birmingham Cancer Centre, University Hospital Birmingham, U.K.* **Introduction To Particle Therapy**
15:30 - 16:00	--- Coffe Break ---
16:00 - 17:30	**Dr. Manjit Dosanj** / *CERN, Switzerland* **Particle Therapy in Europe and Enlight**

Thursday, 15 February 2007 (Room:Adriatico Guest House Giambiagi Lecture Hall)

09:00 - 10:30	**Prof. Frank Watt** / *National University of Singapore, Singapore* **Using Ion Beams To Analyse Biomedical Materials On The Micro And Nano Scale**
10:30 - 11:00	--- Coffe Break ---
11:00 - 12:30	**Dr. Karen Kirkby** **Biomedical Analysis And Developing Multi-Disciplinary Collaboration**

12:30 - 14:00	--- Lunch ---
14:00 - 15:30	**Dr. Giuliana Tromba** / *Elettra Sincrotrone Trieste, Italy* **Bio-medical Imaging with Synchrotron Radiation**
15:30 - 16:00	--- Coffe Break ---
16:00 - 17:30	**Prof. Frank Watt** **The Way Ahead For Ion Beam Technology**

Friday, 16 February 2007 (Room:Adriatico Guest House Giambiagi Lecture Hall)

09:00 - 10:30	**Prof. Claudio Tuniz** / *Assistant Director, ICTP, Italy* **Biomedical Applications of AMS: Introduction**
10:30 - 11:00	--- Coffe Break ---
11:00 - 12:30	**Dr. Kirsty Spalding** / *Karolinska Institute, Sweden* **Analysis Of Neurogenesis In The Adult Human Brain Using Bomb-Carbon**
12:30 - 14:00	--- Lunch ---
14:00 - 15:00	**Dr. Olaf Bergmann** / *Karolinska Institute, Sweden* **Cell Age Determination Using Bomb Pulse Carbon-14**
15:00 - 15:30	**Round Table**
15:30 - 16:00	--- Coffe Break ---