



Symposium on new developments in molecular imaging and radiation therapy

Geneva University Hospital, Geneva 30-31 October 2003

Chairman: **Dr Habib Zaidi**

October 30: 12h30-16h45

12h30-12h40 Welcome and introduction – **Habib Zaidi and Wolf Seelentag**
12h40-12h45 Opening address: **M. Bernard Gruson**, Directeur Général, HUG

12h45-16h45 **Session:** Radiation therapy
Chairs: Wolf Seelentag and Habib Zaidi

12h45-13h30 **Dr Calvin Huntzinger – Varian Medical Systems, USA**
“Dynamic targeting: Image-guided motion management”

13h30-13h50 **Dr Paul G Seiler – Paul Scherrer Institute, Switzerland**
“Real time tracking of tumour positions for precision irradiation”

13h50-14h10 **Dr Andy Beavis – University of Hull, UK**
“Functional imaging-guided treatment planning in intensity modulated radiotherapy”

14h10-14h30 Coffee break

14h30-15h20 **Prof. Bernhard Rassow – Hamburg University, Germany**
“Optical illusions and deceptions: never trust your eyes!”
Conference lecture (in German) by SGSMP honorary member 2002

15h20-15h40 **Dr Eros Pedroni – Paul Scherrer Institute, Switzerland**
“Latest developments at PSI proton therapy facility”

15h40-16h00 **Dr Raymond Miralbell – Geneva University, Switzerland**
“The proton therapy project in the lemanic arc: current status and future prospects”

16h00-16h45 **Prof. Ugo Amaldi – CERN, Switzerland**
“Future trends in cancer therapy with particle accelerators”

16h45-17h30 **Welcome reception** – supported by SGSMP

17h30-19h00 **Membership Assembly of SGSMP**

19h00-20h00 **Membership Assembly of SBMP**

October 31

8h30-13h30

Session: Molecular imaging

Chairs: Habib Zaidi and Allan Clark

8h30-9h00 **Dr Habib Zaidi – Geneva University, Switzerland**
“Quantification in SPECT and PET: Quo vadis”

9h00-9h50 **Prof. Bruce Hasegawa – UCSF, USA**
“New horizons in multi-modality imaging devices”

9h50 - 10h20 **Dr Peter Weilhammer – CERN, Switzerland**
“Is there a future for Compton-enhanced imaging systems in nuclear medicine?”

10h20-10h50 **Prof. Bruce Hasegawa – UCSF, USA**
“Future design of small animal imaging systems”

10h50-11h10 Coffee break

11h10-11h40 **Prof. Daniel Slosman – Geneva University, Switzerland**
“Perspectives in clinical PET imaging”

11h40-12h10 **Prof. Hussain Abdel-Dayem – New York Medical College, USA**
“The new challenges for PET clinical applications in oncology”

12h10-13h00 **Prof. Alan Perkins – Nottingham University, UK**
“Is there a future for targeted radionuclide therapy?”

13h00-13h30 **Prof. Patrick Aebischer – EPFL**
“Perspectives in molecular imaging of gene expression”

13h30 Official closing of the symposium – **Habib Zaidi**

13h30-14h30 Lunch

14h30-15h30 Visit of Geneva Cyclotron unit, HUG (optional) – **Prof. Gerd Beyer**