

1st BHTC in vitro Workshop

October 25 2012: 10.00 to 16.30

Fondation Universitaire – Universitaire Stichting, Emile Francqui room
Rue Egmont 11 - 1000 Brussels

<http://www.fondationuniversitaire.be/Images/plan.pdf>

Programme

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| 10.00-10.30: | Welcome coffee |
| 10.30-10.40: | Welcome words and presentation of the aims of the workshop
(S. Baatout & S. Lucas) |
| 10.40-11.10: | The Belgian Hadron Therapy Center project: motivation and status (W. De Neve) |
| 11.10-11.40: | Hadrontherapy physics and the Namur in-vitro irradiation facility (S. Lucas) |
| 11.40-12.10: | Biological aspects of hadrontherapy (M. Moreels) |
| 12.10-12.40: | Investigation of low dose hypersensitivity mechanisms following irradiation with charged particles (A.C. Heuskin) |
| 12.40-13.20: | Walking lunch |
| 13.20-13.50: | Influence of carbon ion radiation on metastasis related genes in human prostate cancer cells (A. Suetens) |
| 13.50-14.20: | Survival fraction simulation code for in-vitro hadrontherapy and potential extension to treatment planning software (A.C. Heuskin) |
| 14.20-14.50: | Microdosimetric characterization of a therapeutic charged particles beam (S. Chiriotti) |
| 14.50-15.20: | Study of the effects of X-ray and alpha radiations on the interactions between tumor cells and endothelial cells : how to enhance their therapeutic efficacy (H. Riquier). |
| 15.20-15.50: | Charged particle effects on human endothelial cells (C. Rombouts) |
| 15.50-16.30: | Table Ronde, final discussion and coffee |