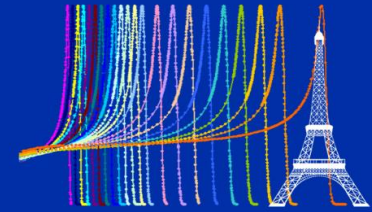




1st course on proton therapy



Wednesday Nov 21

- 08:30 Welcome
- 09:00 Physical basis and perspectives of proton therapy, **A. Mazal (Institut Curie, France)**
- 09:45 Accelerators for proton therapy and beam transport, **A. Patriarca (Institut Curie, France)**
- 10:15 Beam shaping, relative and absolute dosimetry, **J. Herault (Centre Antoine Lacassagne, France)**
- 11:00 **Coffee break**
- 11:30 Advantages and pitfalls of PBS : macroscopic is enough?, **T. Lomax (PSI, Switzerland)**
- 12:15 Commissioning and quality assurance of PBS, **F. Goudjil (Institut Curie, France)**
- 12:45 **Lunch break**
- 14:00 Treatment planning : models and features, CT cal, use, **L. de Marzi (Institut Curie, France)**
- 14:30 Basic biological aspects of proton therapy, **P. Petschke (DKFZ, Germany)**
- 15:15 Base of Skull & CNS, **L. Feuvret (Institut Curie, France)**
- 15:45 **Coffee break**
- 16:15 Head & Neck, **V. Calugaru (Institut Curie, France)**
- 16:45 Patient representative's experience, **TBD**

Thursday Nov 22

- 08:30 Uncertainties, robustness and automatic planning, **T. Lomax (PSI, Switzerland)**
- 09:00 Immobilisation, imaging, moving organs and training radiologists, **I. Pasquié (Institut Curie, France)**
- 09:30 Radiation protection in proton therapy, **J. Herault (Centre Antoine Lacassagne, France)**
- 10:00 Dose monitoring and range verification, **J-M. Fontbonne (Laboratoire de Physique Corpusculaire de Caen, France)**
- 10:30 Reirradiation, **V. Calugaru (Institut Curie, France)**
- 11:00 **Coffee break**
- 11:30 Relative Biological Effectiveness (RBE): Principles and practice in proton therapy, **P. Petschke (DKFZ, Germany)**
- 12:15 Radiobiology II, **F. Megnin (Institut Curie, France)**
- 12:45 **Lunch break**
- 14:00 Model based selection of patients for proton therapy, **S. Peeters (MAASTRO Clinic, the Netherlands)**
- 14:45 The technical specificities of treating eye tumors, **C. Nauraye (Institut Curie, France)**
- 15:15 Eyes (clinical), **R. Dendale (Institut Curie, France)**
- 15:45 **Coffee break**
- 16:15 Cost - benefit of proton therapy, **Y.Lievens (University Hospital Ghent, Belgium)**
- 17:00 Debate: Competition MRI-Linac with protons

Friday Nov 23

- 08:30 Sarcoma Clinics : protons & ions, **C. Ares (MAASTRO Clinic, the Netherlands)**
- 09:00 Development of nanoparticles among neo adjuvant strategies in sarcoma surgery, **S. Bonvalot (Institut Curie, France)**
- 09:30 Nanoparticles and proton therapy, **S. Lacombe (Institut Curie, France)**
- 10:00 Proton minibeam radiation therapy, **Y.Prezado (Institut Curie, France)**
- 10:30 The Flash effect : basic concepts and theories, **V. Favaudon (Institut Curie, France)**
- 11:00 **Coffee break**
- 11:30 A platform for radiation biology research, **F.Pouzoulet (Institut Curie, France)**
- 12:00 Lung & Oesophagus, **S. Peeters (MAASTRO Clinic, the Netherlands)**
- 12:45 **Lunch break**
- 14:00 Lymphoma, **Y.Lievens (University Hospital Ghent, Belgium)**
- 14:45 Pediatrics (no CNS), **S. Bolle (Institut Curie, France)**
- 15:15 Pediatrics (CNS), **C. Alapetite (Institut Curie, France)**
- 15:45 **Coffee break**
- 16:15 Breast, **Y. Kirova (Institut Curie, France)**
- 17:00 Surirradiation of hypoxic regions of chordomas, **H. Mammar (Institut Curie, France)**

Saturday Nov 24

- 08:30 Knowledge-based Proton Planning, **R. Vandersreuten, VARIAN**
- 09:00 Proton therapy of tomorrow: editable workflows, adaptive & arc proton therapy, **S. Gillis, IBA**
- 09:30 Operations and servicing of a proton therapy facility, **S. Meyroneinc (Institut Curie, France)**
- 10:00 Transfer & Visit of the Proton Center in Institut Curie Orsay
- 13:00 Wrap up and farewell

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