



Concerns: graduation projects available at Maastrro Clinic, Maastricht

July 9, 2013

Available projects at MAASTRO Clinic - 2013

MAASTRO CLINIC is a radiotherapy treatment and research facility embedded within Maastricht University (www.maastrro.nl). Research carried out in the past has focused on molecular PET/CT imaging and dose guided radiotherapy (DGRT). MAASTRO CLINIC is fully equipped with linear accelerators, verification imaging devices, a brachytherapy suite, a PET-CT scanner, a wide bore CT scanner, many treatment planning stations etc. Together with MAASTRO lab we installed a small animal irradiation/imaging facility. MAASTRO collaborates with various other universities such as Eindhoven, Toronto, Montreal, Leuven, Amsterdam.

Maastrro Clinic is offering several graduation projects for 2013-14. The title of the projects is given below. Some of these projects may be done as a MSc thesis student in engineering or technical medicine (approximately 10 months), or as a shorter project. Persons interested in projects should check the details in the project descriptions in the email or at the website. For general information, please contact Floor Franssen (floor.franssen@maastro.nl). Further information can be found on:

<http://www.maastrro.nl/nl/6/319/universitaire-stages--afstudeeronderwerpen.aspx>

Imaging

- 1) Defining optimal imaging time point for visualizing lung function and tumor perfusion using dual energy CT imaging in lung cancer patients.
Contact: Dr Wouter van Elmpt
- 2) Kinetic analysis of perfusion CT imaging for lung cancer patients.
Contact: Dr Wouter van Elmpt

Physics

- 3) Combining PET and prompt gamma imaging for proton therapy.
Contact: Ms Fiere Jansen, Mr Guillaume Landry