

PET course in Montevideo 11-22 May 2009

Schedule

Date	Time	Topic
11-May	13-14 14-15 15-16	Introduction to PET The positron decay and its implications Pure and non pure positron emitters-home task 1
12-May	17-18 18-19 19-20	Production of radionuclides-generally Production of radionuclides-PET cyclotrons Generators-home task 2
13-May	17-18 18-19 19-20	Discussion of home task 1 and its implication in PET The PET tomograph – principles The PET tomograph – components
14-May	17-18 18-19 19-20	Coincidence detection – Time of flight Quantification – home task 4 PET/CT 1+1 = 3
19-May	17-18 18-19 19-20	Reconstruction Do not forget the time Modelling
20-May	17-18 18-19 19-20	Production of Radiopharmaceuticals Discussion of home task 2 Dose to the patient – internal dosimetry – home task 3
21-May	17-18 18-19 19-20	Discussion of home task 3 and 4 – Internal dosimetry Radiation protection for the personal Radiation protection around cyclotrons and radiopharmaceuticals
22-May	17-18 18-19 19-20	What is most toxic – the molecule or the radiation? The micro-dosing concept Discussion and evaluation of the course Discussion and evaluation of the course

To pass the course you need to hand in home tasks 1-4 and to get them accepted.
You can hand in the home tasks not later than the 22 May.