

Training on Preclinical Assays for Radiopharmaceuticals

Monday 21 November

9:00 - 10:30	Presentation of the course and participants
10:30-11:00	Coffee break
11:00-12:00	General introduction on molecular targets associated to tumoral biology: Emerson Bernardes (IPEN)
12:00-13:00	Key steps involved in translational molecular imaging studies for the development of radiopharmaceuticals (including various small animal imaging modalities): Mick Welling
13:00-14:00	Lunch
14:00-15:30	Bioethics and animal management (animals housing, preparation, injection, anaesthetics, imaging, ex vivo research, etc): Daniele Faria (HCFM.USP)
15:30-16:00	Coffee break
16:00-17:00	Cell in vitro studies: Daniel Perez (IPEN)

Tuesday 22 November

9:00-9:45	PET/CT images: Paula Feltes (InsCer-PUCRS)
9:45-10:30	Acquisition and processing parameters and techniques: Paula Feltes (InsCer-PUCRS)
10:30-11:00	Coffee break
11:00-13:00	Pharmacological and biodistribution aspects for tracers for targeting and imaging: Mick Welling (MW)
13:00-14:00	Lunch
14:00-17:00	Practical class 0: static and dynamic PET acquisition, quality control and quantification (InsCer-PUCRS), Walter Turato, Lorena Pozzo

Wednesday 23 November

9:00-13:00	Practical classes 1 and 2 simultaneously.
13:00-14:00	Lunch
14:00-15:30	Animal models in research using PET/CT: Sofia Santos (IPEN)
15:30-16:00	Coffee break
16:00-17:30	Radiochemical and pharmacological parameters influencing the targeting by tracers. Mick Welling (MW)

Thursday 24 November

9:00-10:00	Radiopharmaceuticals in basic research: atherosclerosis – Dulcinea Abdalla (FCF-USP)
10:00-11:00	Coffee break
11:00-13:00	Quantitative analysis of practical class 0
13:00-14:00	Lunch
14:00-17:00	Practical classes 1 and 2 simultaneously.

Friday 25 November

9:00-10:00	Clinical applications FLT and FCholine: Marcos Lima (HCFM.USP)
10:00-11:00	Future of cancer imaging & therapy: Mick Welling (MW)
11:00-11:15	Closing
11:15-12:00	Brunch

Practical class 1: Labelling and quality control FLT and/or FCholine

Practical class 2: In vivo studies (imaging and biodistribution): Paula Feltes, Mick Welling, Walter Turato, Sofia Santos e Lorena Pozzo.