

Wednesday, 5th October, 12.00pm

Seminar Room

Host: Prof. Jesús Ruiz-Cabello

Quantification methods in PET

Pablo Aguiar Fernández

*CIMUS - Universidade de Santiago de Compostela (USC)
Av. Barcelona, 15782 Santiago de Compostela (Galicia) Spain*

The potential of quantitative PET lies in the fact that it enables us to establish a direct link between the radiotracer concentration along time with parameters that represent biological processes at cellular level. However, accurate PET quantification is challenging and requires many technical and biological factors to be taken into account. This session discusses the basis of quantification and the main assumptions related to these factors, such as scan protocol design, physical effects, instrumentation, tomographic reconstruction, quantification method and tracer kinetics.