Seminar Announcement

INTEGRATING THE LIFE SCIENCES
PHYSIOLOGY
National University of Singapore

Title **Radiopharmacology and Nuclear Imaging**

Speaker **Dr Julian Goggi**
Singapore BioImaging Consortium

Date Thursday, 10 November 2011

Time 12.00nn – 1.00pm

Venue Seminar Room #04-03
Department of Physiology, NUS
MD9, 2 Medical Drive, Singapore 117597

Abstract Radiopharmacology is the study of radiolabelled medicinal products. The use of radiopharmaceuticals allows the investigation of molecular processes and can be instrumental in the diagnosis of disease and in therapy response assessment. Radiopharmaceuticals have also been used in therapy for over 70 years, yet have only been developed for diagnostic use in the last 40. Radiopharmaceuticals have important properties that make them ideally suited for studying bodily function as opposed to anatomical structure. The ability to non-invasively quantify the amount of the radioactive substance bound in vivo has lead to the development of imaging as an essential complementary imaging modality when coupled with structural imaging modalities X-ray (CT), ultrasound and magnetic resonance. From the first multi crystal whole body gamma camera developed in 1970 and the first dynamic gated PET camera in 1978 through to the cutting edge PET and SPECT cameras being developed today, radiopharmaceutical imaging has been making an huge impact on medicine and research.

Convener: A/Prof Lim Kah Leong

All Are Welcome