DukeNUS Medical School

LTMI Seminar

Title:

"Radiopharmaceuticals for Theragnostics: From Bench to Bedside"

Abstract:

My goal is to briefly summarize the developments of Molecular Nuclear Medicine, through my personal experience over the past decade in the Research field and in Industry of Radiopharmaceuticals with an overview of the "research philosophy and trends" in USA, Europe and globally. With a most prominent example the Peptide Receptor Targeted Therapy (PRT) and Imaging Research which came to the forefront with compounds such as Lutathera® for therapy and NETSPOTT® for PET Imaging, of GEP-NET tumors. My research included projects such as Targeted Alpha Therapy (TAT), evaluation of antibody fragments as alternatives to RIT, and development of novel organic compounds for higher intracellular residualizaton of Radiohalogens. Lastly, I would like to present future views in Theragnostics approaches using nanoparticles as hosting scaffolds.

Date:

20 October 2016 (Thursday)

Time:

3:00 PM to 4:00 PM

Venue:

Meeting Room 7C, Level 7
Duke-NUS Grad Med School
8 College Road, S169857

(Opposite Singapore General Hospital, Block 6/7)

Host:

Dr. Ann-Marie CHACKO, PhD
Head, Laboratory for Translational and Molecular Imaging (LTMI);
Assistant Professor, Program in Cancer & Stem Cell Biology,
Duke-NUS Medical School
Singapore

Speaker:



Eftychia KOUMARIANOU, PhD

API/Radioactive Precursor Supply Manager
Advanced Accelerator Applications,
Colleretto Giacosa (TO), Italy

Biography:

Since June 2015 Dr. Koumarianou has been API/Radioactive Precursor Supply Manager at Advanced Accelerator Applications (AAA), a Radiopharmaceutical Company. At AAA, she leads and coordinates the ^{177}Lu supply for all ^{177}Lu radiolabeled products. Prior to joining AAA (2010-2015), she was a Post Doctoral Research Associate, and head of the cell studies lab of Professor Michael Zalutsky in the Radiology Department of Duke University Medical Centre. In 2008, she was appointed Junior Researcher at "POLATOM", Poland's National Centre for Nuclear Research, charge of the Radiopharmaceuticals In Vitro Studies Lab (cGMP).

Dr. Koumarianou was a PhD Fellow from 2006-2008 at POLATOM. She obtained her MSc in Biochemistry/Radiopharmaceuticals (2004) and PhD in Chemistry/Radiopharmaceuticals (2009) from N.C.S.R "DEMOKRITOS" & University of Athens (Greece).

No registration is required. All are welcome

Any enquiry, please contact: Amanda Chan (Tel: 6601 5700)