

Program Content & Tentative Agenda

Radiopharmaceuticals play an important role in the diagnosis of various human ailments and treatment of diseases, predominantly cancer. With the steady and fast increase of the cancer incidences, it is necessary to develop trained human resources to fight against this dreaded disease. Keeping this objective in mind, a four days workshop is being proposed on **‘Radiopharmaceuticals: Bench to Bed’**.

The workshop will cover lectures by experts from various fields related to radiopharmaceutical development, such as, production of radioisotopes, formulation of freeze-dried kits, preparation of various state-of-the-art diagnostic and therapeutic radiopharmaceuticals, quality control of radiopharmaceuticals, pre-clinical and clinical evaluation of radiopharmaceuticals, setting-up of radiopharmaceutical laboratories, regulatory aspects etc. The participants will have a comprehensive idea and understanding about radiopharmaceutical program and may be able to formulate some new and state-of-the-art radiopharmaceuticals in their laboratory after undergoing the course.

Schedule	Tentative Agenda
Day 1	Registration
	Inauguration
	Plenary Lecture
	Basics of Radiopharmaceuticals
	Lunch Break
	Production of Radioisotopes in Nuclear Reactor
	Production of Radioisotopes in Cyclotron
Day 2	Radioisotope Generators
	^{99m} Tc Radiopharmaceuticals
	PET Radiopharmaceuticals
	Lunch Break
	Therapeutic Radiopharmaceuticals
	Radiopharmaceutical Manufacturing & Supply
Day 3	Quality Control of Radiopharmaceuticals
	Bio-evaluation of Radiopharmaceuticals
	Lunch Break
	Exercise/Discussion/Tour/Excursion
Day 4	Clinical Applications of Diagnostic Radiopharmaceuticals
	Clinical Applications of Therapeutic Radiopharmaceuticals
	Setting-up of Radiopharmaceutical Laboratory & Regulatory Aspects
	Lunch Break
	Feedback Session & Valedictory Function