

Joint Program in Nuclear Medicine

Radiopharmacy and Radiopharmaceutical Chemistry Course

2015

Objective(s): To provide trainees with a basic knowledge of the chemical and pharmaceutical principles underlying the design and use of radiopharmaceuticals in clinical nuclear medicine.

Wed. Jan 21	Introduction to Radiopharmacy
Mon. Jan 26	$^{18}\text{F}$ -FDG biochemistry and physiology
Thurs. Jan 29	$^{18}\text{F}$ Radiopharmacy (r/s)
Fri. Jan 30	ABNM In-training exam for residents
Wed. Feb 4	$^{99\text{m}}\text{Tc}$ Chemistry (r/s) $^{99\text{m}}\text{Tc}$ Radiopharmacy I
Mon. Feb 9	Radiometals and Labeled Peptides $^{99\text{m}}\text{Tc}$ Radiopharmacy II
Wed. Feb 18	Radioiodines
Fri. Feb 20	Radiopharmacy of Radiotherapy
Mon. Feb 23	Radiolabeled Antibodies $^{11}\text{C}$ and $^{18}\text{F}$ chemistry; followed by a tour of the MGH cyclotron and radiopharmacy

FACULTY	Jason Dearling, PhD	Boston Children's Hospital
	Jacob M. Hooker, PhD	Massachusetts General Hospital
	Alan Packard, PhD	Boston Children's Hospital
	Justin Paolino, PharmD	Brigham and Women's Hospital