

**Radiopharmaceutical Chemistry Course  
2007/2008**

**Laboratory for Experimental Nuclear Medicine Conference Room,  
Armenise Building, Harvard Medical School: Room D2-136  
(Scheduled revised 2/4/08)**

		<b>Topic</b>	<b>Faculty</b>
<b>Jan</b>	14	Stability Valley Modes of Radioactive Decay Decay Schemes and Decay Equations	A.G. Jones/A. Mahmood
	18	Decay Equations and Radioactive Equilibrium Radionuclide Generators Principles and Practice	A.G. Jones/A. Mahmood
	25	Radionuclide Production Nuclear Reactions-Reactors and Accelerators	A.G. Jones/A. Mahmood
	28	Technetium Chemistry Radiopharmaceutical Kit Design & Quality Control of Radiopharmaceuticals	A.G. Jones/A. Mahmood
<b>Feb</b>	1	Lecture Canceled	
	4	Early Technetium Radiopharmaceuticals	A.G. Jones/A. Mahmood
	8	Recent Technetium Radiopharmaceuticals	A.G. Jones/A. Mahmood
	11	Design Concepts for Targeted-Radiopharmaceuticals	A.G. Jones/A. Mahmood
	15	Receptor-Targeting Radiopharmaceuticals: Peptides, Proteins and Antibodies Small Molecules Agents	A.G. Jones/A. Mahmood
	22	Other Radiometals (SPECT and PET)	A.G. Jones/A. Mahmood
	25	Iodinated Agents Therapy With Open Sources	A.G. Jones/A. Mahmood
	29	Positron Emitters – F-18, C-11: Part 1	A.G. Jones/A. Mahmood
<b>Mar</b>	3	Positron Emitters – F-18, C-11: Part 2	A.G. Jones/A. Mahmood
	10	Recent Concepts in Molecular Imaging Imaging Gene Expression-Reporter Gene Probes	A.G. Jones/A. Mahmood
	14	Regulatory Issues with Routine and Experimental Agents	A.G. Jones/A. Mahmood/F.P. Castronovo
	17	Discussion Group	A.G. Jones/F.P. Castronovo/A. Mahmood
	<b>Exam Scheduled for Monday, April 14, 2008 at 8:00 AM</b>		