

Tentative program

Radboud Summer School: 'Basic Dosimetry and Radiobiology for Radionuclide Therapy'

22-26 June 2026

Monday June 22			
Time	Content	Teacher	Location
9.00-11.00	General introduction	RU Summer School	
11.00-11.45	Welcome and introduction course participants & teachers	Dr. M. Rijpkema, Dr. S. Peters & Dr. J. Nonnekens	
11.45-12.30	Introduction Theranostics, Dosimetry and Radiobiology	Dr. S. Peters	
Lunch			
13.30-14.15	Introduction Clinical Radionuclide Therapy, role for radiobiology & dosimetry	Prof. D. Oprea-Lager	
14.15-15.00	Introduction in preclinical Radionuclide Therapy, role for radiobiology & dosimetry	S. Kleinendorst	
Coffee/Tea and walk to faculty			
15.30-17.00	Faculty tour (PRIME preclinical facility & RTM Cyclotron facility/Clinical Facility)	Various teachers	

Tuesday June 23			
Time	Content	Teacher	Location
9.00-9.15	Daily intro and goals	Dr. J. Nonnekens	
9.15-10.00	General introduction of radiobiology of radio(nuclide) therapy	Dr. P. Span	
10.00-10.30	Radiobiology of different radiation qualities	Dr. J. Nonnekens	
Coffee/Tea			
11.00-11.45	Radiobiological markers for dose-effects measurements and standardization of reporting	Dr. M. Sabatella	
11.45-12.30	Immunological effects of radionuclide therapy	Prof. S. Heskamp	
Lunch with experts			
13.15-13:45	Introduction Practical Session Radiobiology	Dr. J. Nonnekens	
14:00-17:00	Practical session Radiobiology Including Lab tour	Various teachers	

Wednesday June 24			
Time	Content	Teacher	Location
9.00-9.15	Daily intro and goals	Dr. S. Peters	
9.15-10.30	Radionuclide dosimetry methodology (MIRD formalism)	B. Timmermans / Dr. S. Peters	
Coffee/Tea			
11.00-12.30	Radionuclide dosimetry methodology (Time activity curve fitting, hands-on session)	B. Timmermans / S. Peters	
Lunch with experts			
13.30-14.15	Local applications of dosimetry	Dr. F. Nijsen	
14.30-17.00	Practical session Clinical Dosimetry	Various teachers	

Thursday June 25			
Time	Content	Teacher	Location
9.00-9.15	Daily intro and goals	Dr. S. Peters	
9.15-10.00	Advanced aspects of dosimetry	Dr. S Peters & Dr. O. Ivashchenko	
10.00-10.30	Dosimetry of high LET emitters	Dr. O. Ivashchenko	
Coffee/Tea			
11.00-12.00	Dosimetry: yes or no? <i>Discussion session</i>	Dr. D. Vriens/Prof. Dr. S. Heskamp	
Lunch with experts			
13.00-15.00	Practical session 'How to set up your own study'	Various teachers	
Coffee/tea and walk to clinics			
15.30-17.00	Faculty tour (PRIME preclinical facility & RTM Cyclotron facility/Clinical Facility)	Various teachers	

Friday June 26			
Time	Content	Teacher	Location
9.00-9.15	Daily intro and goals	Dr. J. Nonnekens & Dr. S. Peters	
9.15-9.45	Combined therapies - RNT & drugs & EBRT	Dr. J Nonnekens	
9.45-10.30	AI in dosimetry	Prof. Dr. J. Tran-Gia	
Coffee/Tea			
11.00-11.30	Cellular dosimetry	S. Margis	
11:30-12:00	Biological effects on a cellular scale	Dr. K. Chatzipapas	
12.00-12.30	Pharmacokinetic modelling	Dr. L. De Wit – Van der Veen	
Lunch with experts			
13.30-14.00	Photodynamic therapy	Dr. M. Rijpkema	
14:00-15:00	discussion assignment & Q&A		
15.00-15.30	wrap-up, Q&A, evaluations	Various teachers	
15.30- ...	Farewell ceremony and drinks	RU Summer School	

Main Summer School location:

Radboud University
 Building, room TBD
 Heyendaalseweg 141
 6525 AJ Nijmegen
 The Netherlands