

Trace 'n Treat Educational Workshop

Development and Application of Radiopharmaceuticals

Start date: 30th of September 2013

End date: 3rd of October 2013

Venue: Reactor Institute Delft, Delft, The Netherlands

The workshop is divided into two parts: one day is reserved for general introduction to radioactivity including practice; the following three days will cover topics related to radiopharmaceuticals, such as:

- Production of radioisotopes
- Radiolabelling of molecular and supramolecular carriers
- Clinical and pre-clinical research related to radiopharmaceuticals

Register via email to: J.M.A.Buurman@tudelft.nl.

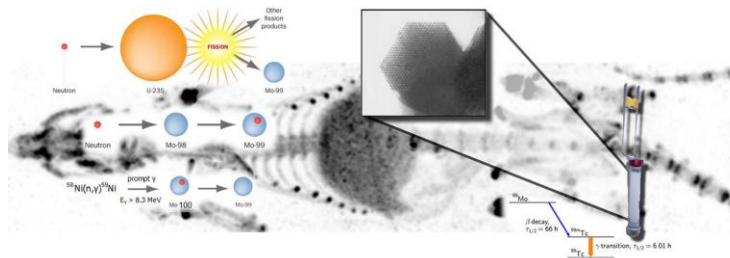
Registration deadline: 10th of September 2013.

Please specify whether you want to follow 4 or 3 days.

Cost workshop (4 days, including introduction to radioactivity & practice): **270 euro** (limited to 20 participants)

Cost workshop (3 days lectures): **150 euro** (limited to 50 participants)

The course corresponds to 3 or 4 credits respectively of the days followed according to the TU Delft graduation school.



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Program

Time	30th of September	Speaker
9:00	opening	Antonia Denkova (TU Delft, The Netherlands)
9:05	Introduction to Radiation: type of radioactive decay, detection of radiation, interaction with matter etc	Provided by the NCSV (Nationaal Centrum voor Stralings Veiligheid, TU Delft, The Netherlands)
12:00	Lunch	
13:00	Practical work: working with open sources and gamma spectroscopy, Liquid Scintillation Counting etc.	Provided by the NCSV (Nationaal Centrum voor Stralings Veiligheid, TU Delft, The Netherlands)
17:00	End	
Time	1st of October	Speaker
9:00	opening	Antonia Denkova (TU Delft, The Netherlands)
9:05	Accelerator produced isotopes	Bert Windhorst (VU University Medical Centre, The Netherlands)
10:00	Reactor produced isotopes	Bert Wolterbeek (TU Delft, The Netherlands)
11:00	Coffee break	
11:15	Radioisotope generators	Bert Wolterbeek (TU Delft, The Netherlands)
12:00	Lunch	
13:00	Production of alpha emitters	Frank Bruchertseifer (Institute for Transuranium Elements, Germany)
13:45	Multimodal imaging	Harald Groen (Milabs, The Netherlands)
14:30	Coffee break	
14:45	Development of PET-TOF	Stefan Seifert (TU Delft, The Netherlands)
15:45	The use of long-lived PET isotopes in combination with antibodies	Guus van Dongen (VU Medical Centre Amsterdam, The Netherlands)
16:45	End	
Time	2nd of October	Speaker
9:00	opening	Antonia Denkova (TU Delft, The Netherlands)
9:05	Pre-clinical development of ^{177}Lu -Dotatate for the treatment of neuroendocrine tumours medical aspects	Wout Breeman (Erasmus Medical Centre, The Netherlands)
10:15	Coffee break	
10:30	The De Hevesy tracer principle applied to life sciences	Tobias Ross (Mainz University, Germany)
11:30	Radiolabeling methods for nanodimensional carriers	Tobias Ross (Mainz University, Germany)
12:15	Lunch	
13:15	Microspheres for liver cancer treatment	Frank Nijssen (Utrecht Medical Centre, The Netherlands)
14:15	Clinical aspects of ^{177}Lu -Dotatate and the treatment of neuroendocrine tumours	Boen Kam (Erasmus Medical Centre, The Netherlands)
15:15	Coffee break	
15:30	Radiobiological aspects in therapy	Jeroen Essers (Erasmus Medical Centre, The Netherlands)
16:15	Interaction of cells with molecular and supramolecular carriers	Roeland Dirks (Leiden University Medical Centre, The Netherlands)
17:00	End	
Time	3rd of October	Speaker
9:00	opening	Antonia Denkova (TU Delft, The Netherlands)
9:05	The importance of internal dosimetry for radionuclide therapy	Mark Konijnenberg (Erasmus Medical Centre, The Netherlands)
10:00	Nuclear Imaging and radiotherapy at Philips Research	Tilman Lappchen (Philips, The Netherlands)
10:45	Coffee break	
11:00	Radiolabeled peptides	Peter Laverman (Radboud University Medical Centre Nijmegen, The Netherlands)
12:00	Lunch	
13:00	$^{99\text{m}}\text{Tc}$ radiochemistry	Otto Boerman (Radboud University Medical Centre Nijmegen, The Netherlands)
14:00	Design of Radiopharmaceuticals	Philip Elsinga (University Medical Centre Groningen, The Netherlands)
14:45	Coffee break	
15:00	Tour of the reactor and experimental hall	
16:00	Drinks and closure of the workshop	
17:30	End	

Travel Information

PLEASE NOTE THAT that because of building works, the traffic situation around the Reactor Institute Delft will be subject to regular changes. Please check our [website](#) for actual situation. We apologise for the inconvenience.

By car

The Reactor Institute Delft (RID) is located in the utmost south of the TU Delft Campus. Coming from the motorway A13 between Rotterdam and The Hague, take the exit at Delft-Zuid/TU (exit 10). Take the Delft-Zuid/TU exit (exit 10, N470); Follow the signs to TU Delft campus (keep right), turn off the exit into Schoemakerstraat; Before the junction with Watermanweg, turn right into the car park; Follow the path (approx. 300 m) to reach the RID main entrance.

By public transport

The Reactor Institute Delft (RID) is accessible by public transport from both the directions Rotterdam/Dordrecht and The Hague/Leiden/Amsterdam. Coming from Utrecht, you can travel through Rotterdam or The Hague Central station. You can get to our institute in the following ways:

- Travel to train station Delft by Intercity or Sprinter train. Take bus number 40 going to Rotterdam CS or bus 69 going to TU Campus. For bus 40, get off the bus at stop Kluyverweg at the crossing with the Rotterdamseweg. The RID is situated at the crossing between Kluyverweg and Mekelweg, 400 m from the bus stop. Bus 69 stops at Molengraaafsingel, behind the RID. Walk along the Watermanweg and Mekelweg (300 m) to reach the entry of the RID.
- Take a Sprinter train to Delft-Zuid. From this station it is about 20 minutes walking. Leave the platform with the stairs to the viaduct, turn left and follow the bicycle path (do not take the paths leading down) and cross the canal Schie. When you have crossed the water, follow the path sloping down towards the Mekelweg cycle path. Here, turn right, pass underneath the viaduct and you will see the RID on your left hand after approximately 300 meters.

By foot / by bike

The Reactor Institute Delft (RID) is located in the utmost south of the TU Delft Campus, at more than 2 km from Delft city centre. You can go by foot or by bike through the Mekelpark, the heart of the TU Campus. You can find the RID approximately 300 m south of the Kruithuisweg viaduct. On the campus, all faculties and buildings are indicated with road signs. Follow the signs to **building 50** for directions to the RID. The main entrance to the RID will remain accessible to pedestrians and cyclists via Kluyverweg and Mekelweg.

Access to the RID

Walk to the main entrance of the RID (**building 50**) and show the security a valid ID-card. You will receive a key card to the building and one of the lecturers will show you inside.

Hotels

If you prefer to stay in Delft, you can find information about hotel accommodation on the following website

http://delft.nl/delften/Tourists/Accommodations/Hotels_in_Delft.

