



Course ^{18}F chemistry November 10-11, 2022

Location: Tracer Center Amsterdam
Van der Boechorststraat 6, 1081BT Amsterdam
[route](#)

Teachers: Prof.dr. P.H. Elsinga and Prof.dr. A.D. Windhorst

Program

Day 1.

10.00u	Production of fluor-18	(Bert Windhorst)
11.00u	Organic chemistry Nucleophilic substitutions Nucleophilic fluorinations	(Philip Elsinga)
11.30u	Lunch	
13.00u	Practical aspects Fluoride work-up Automation Fluorination reactions Analyses	(Bert Windhorst and Philip Elsinga)
15.00u	Introduction to hands-on tomorrow	
16.00u	End of day 1	

Day 2.

09.00u	hands-on (4 groups of 2 persons): Influence of the solvent Influence of the amount of precursor Influence of the position of the electron withdrawing group Influence of different <i>para</i> positioned substituents.	
12.00u	Lunch	
13.00u	Analysis of results	
14.00u	Presentations and group discussion of the results	
16.00u	End of the training	

Costs for participation are 100 euro, including study material. These costs have to be paid to the NKRK before the start of the course. An invoice will be send.