

Course ^{18}F chemistry

April 23-24, 2020



Location: Tracer Center Amsterdam (TCA), VUmc Amsterdam

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

Program

Day 1.

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|--------|---|-------------------------------------|
| 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.

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| 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.