Advanced Drug Delivery and Targeting Course

April 5 – April 9, 2027, Utrecht

The Advanced Drug Delivery and Targeting Course is a joint effort between the Personalized medicine Research Institute Groningen (PRECISION), the Utrecht Institute for Pharmaceutical Sciences (UIPS) and the Leiden Academic Centre for Drug Research (LACDR).

Course supervisors: dr. C.F. (René) van Nostrum (C.F.vanNostrum@uu.nl) and dr. J.A.A.M. (Jan) Kamps (j.a.a.m.kamps@umcg.nl)

In the development of new therapeutics one of the main scientific challenges is to deliver the drug in a controlled way at the desired site of action. The formulation of these therapeutic agent therefore plays a key part in the biological efficacy, and is of great importance for current drug research.

The Advanced Drug Delivery and Targeting course will be given by experts in the fields of:

- *Nanoparticulate delivery systems*
- *Vaccine delivery and diseases*
- *Targeting drugs to the site of action*
- *Imaging and theranostics*
- *Translation from concept to product*

The course will provide an in-depth overview of the newest strategies and achievements in the drug delivery and targeting field. Particular emphasis will be put on the targeted delivery of macromolecules, including vaccines and/or genetic material. In addition, the use of cell culture systems and *in vivo* models in the development of drug delivery systems will be discussed. The participants will actively work in groups on assignments in which they will address various issues, relevant to the development of therapeutic strategies employing drug delivery and drug targeting technologies.

The ADDT course will be a full-time course and cannot be taken on-line.

Who should attend: Researchers (PhD candidates, research trainees, postdoctoral fellows,research associates, research project managers) in Universities, Pharmaceutical Industry, Biotechnology Industry and Federal Research Laboratories, whose research or research interests lie in the area of new technologies facilitating drug distribution, delivery, releaseand effectiveness.

Course fee (including course materials, dinner on Monday and lunches; travel costs and housing are excluded):

- *GUIDE/UIPS/LACDR PhD students: € 250*
- *PhD-students and postdocs from other universities/hospitals: € 575*
- *Non-academic affiliates/Industry: € 1150*

The course is limited to 25 participants, who will be selected based on the order of application. If less than 15 participants register, the course will be cancelled.

Registration: Please complete this form: https://forms.gle/eAQkfU83EMupDSug8
Deadline for registration is February 15, 2027