



Leiden / Amsterdam  
Center for Drug Research

P.O. Box 9502, 2300 RA, Leiden  
The Netherlands

Universiteit Leiden  
Vrije Universiteit Amsterdam



**UIPS** Utrecht Institute for  
Pharmaceutical Sciences

## Advanced Drug Delivery & Drug Targeting Leiden, November 24<sup>th</sup>-November 28<sup>th</sup>, 2008

A joint effort between the Leiden Amsterdam Center for Drug Research (LACDR), the Groningen University Institute of Drug Exploration (GUIDE), and the Utrecht Institute for Pharmaceutical Sciences (UIPS).

**Course supervisors:** Prof. Dr. Joke A. Bouwstra and Prof. Dr. Wim Jiskoot (LACDR Leiden)

In recent years, new chemical and biotechnological entities have been developed and several of these compounds already entered the stage of preclinical and clinical development. In the development of new products one of the main scientific challenges is to deliver the drug in a controlled way at the desired site of action.

In the Advanced Drug Delivery / Drug Targeting course, experts in the fields of:

- Drug formulation and delivery via various routes of administration
- Targeting drugs to the site of action
- The use of cell culture systems in the design of novel drug delivery systems
- Vaccine and protein delivery by the parenteral, mucosal and dermal route
- Translation of a concept to a product

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 delivery of macromolecules, including vaccines, proteins and genetic material. In addition, the use of cell culture systems in the development of drug delivery systems will be thoroughly 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. Online computer facilities are available throughout the course for the assignments and for preparing of the oral presentations that accompany the assignments.

### Who should attend

Researchers (researchers in training, 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, release, and effectiveness.

The course is KNMP accredited for 3 credit points, and by EUFEPS and the GALENOS Network.

### Participants:

The course is limited to 25 participants, who will be selected based on the order of application. If less than 15 participants have registered before October 1<sup>st</sup>, the course will be cancelled.

### Costs\*:

GUIDE/UIPS/LACDR PhD students: € 425

PhD-students and postdocs from other universities,  
university affiliates: € 575

Non-academic affiliates: € 1,450

\* includes course materials and lunches.

Travel costs, housing and dinner are excluded.

### Cancellations:

Registrations can be cancelled free of charge until October 1<sup>st</sup> 2008. Cancellations after October 1<sup>st</sup> 2008 have to pay the full course fee.

**Language:** The course language is English.

### Information:

E-mail: [e.devries@lacdr.leidenuniv.nl](mailto:e.devries@lacdr.leidenuniv.nl),

tel: +31 (0)71 527 4341, fax: +31 (0)71 527 4277.

Leiden University, Gorlaeus Laboratories,

Einsteinweg 55, 2333 CC Leiden, the Netherlands

