



## GALENOS Network

### Membership Document Repository

Welcome to the GALENOS Network!

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A Compendium on the GALENOS Euro-PhD in Advanced Drug Delivery:  
An innovative European Postgraduate Certificate for Young Pharmaceutical  
Scientists

Conditions of Awarding the GALENOS Euro-PhD in Advanced Drug Delivery

Letter of Intent

GALENOS Network Contact Form

In order to apply for membership or to renew your membership in the GALENOS Network, kindly send the duly signed **Letter of Intent** and the completed **GALENOS Network Contact Form** to

GALENOS Network Co-ordinator

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[www.galenos.net](http://www.galenos.net)

Thank you!

Last updated 11 May 2005



## **GALENOS Euro-PhD in Advanced Drug Delivery:**

### **An innovative European Postgraduate Certificate for Young Pharmaceutical Scientists**

#### **A compendium**

The European Community has for a considerable time fostered international collaboration in scientific education and training between European Universities. The exchange of undergraduates across member states was promoted for many years by the ERASMUS programme. More recently, the SOCRATES programme has continued and extended the sponsorship of international student exchange with EU financial support directed toward both undergraduate and postgraduate initiatives.

Founded in 1995, with part-funding under ERASMUS and then SOCRATES, the GALENOS Network in pharmaceutical sciences was formed to promote and foster the training of young researchers in the scientific area of Advanced Drug Delivery. The network has now grown in size to comprise over 50 European university partners from geographically diverse countries throughout Europe. Each partner is represented by a university department which is involved in education and training within the Pharmaceutical Sciences and is active in Advanced Drug Delivery research. In addition to the university partners, the GALENOS Network also includes among its members a number of corporate organisations from the pharmaceutical industry with all commercial levels of this sector represented. Membership of the Network is open to all pharmaceutical science departments at European universities, providing they sign a Letter of Intent supporting the aims of the GALENOS Network. Further information can be found at <http://www.galenos.net>.

One of the key aspirations of the GALENOS Network is to exploit effectively the substantial breadth and depth of European scientific expertise in Advanced Drug Delivery toward the training of graduate students within this crucial discipline. Toward this goal the partner institutions of the GALENOS Network have implemented many successful Intensive Programmes (IPs), many of them funded by SOCRATES. Each of these pan-European IPs typically represents a 10 day workshop focussing on a theme within Advanced Drug Delivery and involves not only research presentations by the world's leading scientists within the area, but also laboratory instruction to the graduate students on pertinent experimental techniques. These events have not only been instructive for the attendees but have fostered the exchange of science at the graduate level and strengthened the social and cultural platforms essential for the future vitality of pan-European scientific collaboration.

A recent GALENOS Network initiative toward interdisciplinary and intercultural training is the establishment of a formal European postgraduate certificate to be awarded through the Network and administered through the Network's co-ordinating institute (currently Saarland University, Saarbrücken, Germany). This certificate, entitled Euro-PhD in Advanced Drug Delivery (Euro-PhD) is intended to be uniformly recognised as verification of the awardee's knowledge and training within this discipline. It provides an additional qualification to be awarded once a candidate has successfully completed a doctoral (Ph.D.) thesis in a subject relevant to drug delivery.

The criteria that need to be fulfilled for awarding the GALENOS Euro-PhD Certificate are the following:

1. Candidates must have successfully completed a doctoral thesis on a subject relevant to the field of Drug Delivery according to the established local regulations of their home university.
2. Candidates must have published (or have accepted for publication) at least one original research paper relating to a topic in Drug Delivery in an international peer-reviewed scientific journal.
3. Candidates must have worked for at least 12 months at a research facility in a country other than the country where they have obtained their local doctoral degree.
4. In order to demonstrate additional in-depth scientific training and education, the candidates must have attended at least three approved Postgraduate Courses.

Application to enrol for the GALENOS Euro-PhD is open to all graduate students at a European university who are enrolled in doctoral studies in an area relevant to Advanced Drug Delivery at their home university. These home universities have to be members of the GALENOS Network. The Euro-PhD programme became active in October 2004 and the first certificates will be awarded to qualifying candidates in 2005.

The GALENOS Network Euro-PhD initiative is in complete harmony with the aim of the European Council (*EC Meeting Lisbon, March 2002*) to enhance further the already enviable reputation of European scientific and technological research, a major driving force for economic and social development; essential if Europe is to become the most dynamic knowledge-based economy in the world. To achieve this goal highly trained research personnel will be needed that are effective in participating in multidisciplinary and multicultural research teams. The GALENOS Network's Euro-PhD concept seeks to satisfy this demand, not only with the provision of expanded training and career development opportunities within advanced drug delivery, but through the fostering of links for future international co-operation and scientist mobility across Europe. The sharing of knowledge, expertise and experience within this network and the raising of the international profile of the young researchers are highly desirable elements of the initiative.

Further information and reading: [www.galenos.net](http://www.galenos.net)  
[galenos@mx.uni-saarland.de](mailto:galenos@mx.uni-saarland.de)



## Conditions of Awarding the GALENOS Euro-PhD in Advanced Drug Delivery

The members of the GALENOS Network have agreed on the following conditions of awarding the “GALENOS Euro-PhD in Advanced Drug Delivery” (in the following Euro-PhD). This programme will become active on 01 May 2005.

### § 1 The GALENOS Network

The GALENOS Network was established in 1995 as a collaboration between several academic institutions in the context of the ERASMUS/SOCRATES Programme of the European Commission, with the aim of fostering the education and research training of young researchers in the pharmaceutical sciences in Europe. Membership is open to all pharmaceutical science departments at European universities, provided they agree to accept the “Conditions of Awarding the GALENOS Euro-PhD in Advanced Drug Delivery” of the GALENOS Network as set out in this document and thus sign the GALENOS Letter of Intent. Industrial partners may participate as corporate members. Non-European academic institutions may join the GALENOS Network as associate members.

### § 2 Co-ordinating the GALENOS Network

The GALENOS Network is at present co-ordinated by Saarland University, Department of Biopharmaceutics and Pharmaceutical Sciences, D – 66123 Saarbruecken, Germany.

### § 3 Aim of the GALENOS Euro-PhD Programme

The aim of the Euro-PhD programme is to provide an in-depth research training of young pharmaceutical scientists in the area of Drug Delivery. The award of the Euro-PhD certificate is complementary to the local doctoral degree obtained from the student’s home university. The Euro-PhD testifies that the student has undertaken international research training and has completed a piece of research at an internationally competitive level.

### § 4 Enrolment in the Euro-PhD Programme

- (1) Enrolment in the GALENOS Euro-PhD programme is open to all graduate students carrying out research in Pharmaceutical Sciences at institutions that are members of the GALENOS Network. The subject of the student’s doctoral thesis has to be in the field of Advanced Drug Delivery.
- (2) Graduate students may enrol for the GALENOS Euro-PhD certificate at the co-ordinating university. The application form for enrolment is available for download at the GALENOS Network’s web site [www.GALENOS.net](http://www.GALENOS.net).
- (3) Retrospective applications by candidates who have already obtained their local PhD degree before this programme was active may also be considered\*.

## § 5 Conditions for Award of the Euro-PhD Certificate

- (1) The candidates must have completed successfully a doctoral thesis on a subject relevant to the field of Advanced Drug Delivery according to the established local regulations of their home university (Alma Mater).
- (2) The candidate must have published (or have accepted for publication) at least one original research paper relating to a topic in Advanced Drug Delivery in an international peer-reviewed scientific journal (i.e. a journal that is included in the Science Citation Index). The candidate should normally be the first author of this publication.
- (3) The candidate must demonstrate international mobility and research experience by having worked for at least 12 months at a research facility outside the country of the candidate's home university. This country should belong to a language area other than that of the home university and/or the mother tongue of the candidate. In this period, the candidate
  - a) must be supervised by a scientist at the host institution ("host supervisor") in addition to the residing supervisor of the home university ("home supervisor");
  - b) must submit a report describing the aim of the study, the methods used, and discussing the major findings. The report must be approved by:
    - i) the home supervisor
    - ii) the host supervisor, and
    - iii) an external referee, who is a member of another GALENOS Network institution
  - c) must prove the completion of the research period abroad by a statement of attendance from the host university specifying the dates and duration of the research visit.

Clause (3) b) is not applicable when the candidate publishes the work undertaken at the host university in an international peer-reviewed scientific journal. The candidate should normally be first author and the home and host supervisor should be co-authors.

- (4) To demonstrate additional in-depth scientific training and education, the candidate must attend approved GALENOS Network postgraduate courses. Normally, this must include attendance at two approved Intensive Programmes (IP) and participation at one Thematic Network Meeting (TNM). These courses can be replaced by other approved post-graduate courses organised by members of the GALENOS Network. The level and extent of the courses must be equivalent to two IPs and one TNM. Two of these courses must be attended outside the country of the candidate's home university.
- (5) The doctoral thesis should be written in English, unless this is prevented by local regulations.
- (6) After the award of the PhD thesis at the home university, the Euro-PhD candidate must give a podium presentation at a meeting organised by the GALENOS Network, e.g. postgraduate courses (see below).

## § 6 Postgraduate Courses

- (1) The Postgraduate Courses which the candidates must attend to qualify for the GALENOS Euro-PhD must be organised by members or associate members of the GALENOS Network.
- (2) To qualify towards the Euro-PhD certificate, courses must have an Advanced Drug Delivery theme and should be at post-graduate level. The courses should conform to one of the following formats:
  - a) Intensive Programme
    - i) 7-10 days duration
    - ii) Taught classes and scientific seminars
    - iii) Laboratory tuition
  - b) Thematic Network Meeting
    - i) 2-3 days duration
    - ii) Euro-PhD candidate research presentations
    - iii) Secondary skills training sessions, e.g. project management, grant writing, intellectual property issues, etc.
- (3) Each postgraduate course must be open to postgraduate students of all members of the GALENOS Network and must be announced to the GALENOS Network at least four weeks in advance of the course.
- (4) On completion of the course, the organisers must provide a certificate of attendance or participation to candidates. Candidates must contribute a research presentation at a TNM to qualify for a certificate of participation.
- (5) The co-ordinating university will consider for approval postgraduate courses that conform to the aforementioned criteria. Course organisers must submit the course programme and apply for approval using the application form that is available for download at [www.GALENOS.net](http://www.GALENOS.net)
- (6) A list of approved courses will be published on the website [www.GALENOS.net](http://www.GALENOS.net)

## § 7 Award of Euro-PhD Certificate

- (1) The Euro-PhD certificate will be awarded by the co-ordinating university on behalf of the GALENOS Network.
- (2) The candidate will be awarded with a certificate that summarises the conditions for the award. The certificate will be issued by the co-ordinating university together with the doctoral thesis supervisor and the host supervisor.
- (3) The certificate will be presented to the candidate by the co-ordinator of the GALENOS Network and the doctoral thesis supervisor, or their respective agents. The award of the Euro-PhD will normally be at a GALENOS Network meeting after the candidate has given the podium presentation on the thesis as described in § 5 (6).

\*Applications received from candidates that enrolled before the programme became active will be considered on an individual basis. These candidates must have completed at least six months research period abroad and must submit details and evidence of postgraduate courses attended.



## Letter of Intent

### **GALENOS Network in Pharmaceutical Sciences GALENOS Euro-PhD in Advanced Drug Delivery**

One of the key aspirations of the GALENOS Network is to exploit effectively the substantial breadth and depth of European scientific expertise in Advanced Drug Delivery toward the training of graduate students within this crucial discipline.

Aim of the GALENOS Euro-PhD programme is to provide an in-depth research training of young pharmaceutical scientists in the area of Drug Delivery as specified in the *Conditions of Awarding the GALENOS Euro-PhD in Advanced Drug Delivery*.

A detailed description of the history and aims of the Galenos Network and the Euro-PhD programme is set out in the accompanying compendium.

Member institutions of the GALENOS Network are expected to have participated in at least two Postgraduate Courses within a three year period, by preferably sending at least one lecturer and two students to each course.

To maintain membership, institutions are also expected to organise or co-organise Postgraduate Courses. Institutions have the possibility of 'teaming-up' and organising their courses together.

Each GALENOS Network member institution should be involved in the organising of at least one Postgraduate Course within a three-year period. Institutions which have been unable to comply with this ruling for an important reason may apply for exemption at the co-ordinator of the GALENOS Network.

Membership shall be renewed on an annual basis. Member institutions of the GALENOS Network will be listed on [www.galenos.net](http://www.galenos.net). In return, member institutions are expected to implement a link to [www.galenos.net](http://www.galenos.net) that demonstrates their affiliation to the GALENOS Network.

The undersigned hereby approves the aforementioned and intends to support the GALENOS Network and the Euro-PhD programme.

\_\_\_\_\_  
Date and place

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Position of the signatory – please print

\_\_\_\_\_  
Title and name of the signatory – please print

Please insert official seal/stamp of the institution/department that is represented by the signatory:

Accompanying documents:

- (1) GALENOS Euro-PhD in Advanced Drug Delivery: An innovative European Postgraduate Certificate for Young Pharmaceutical Scientists. A compendium
- (2) Conditions of Awarding the GALENOS Euro-PhD in Advanced Drug Delivery



# GALENOS Network

## Contact Form

Please type or print all in CAPITAL letters. Thank you.

<b>Membership</b>	<input type="checkbox"/> New member <input type="checkbox"/> Renewal of membership for 2005/2006
<b>Type of Institution</b>	<input type="checkbox"/> University <input type="checkbox"/> Corporate <input type="checkbox"/> Associate
<b>Name of Institution</b>	
<b>Participating Department</b>	
<b>Head of Department</b>	
<b>Postal Address</b>	
<b>City and ZIP</b>	
<b>Country</b>	
<b>URL of Department for listing on <a href="http://www.galenos.net">www.galenos.net</a></b>	
<b>Name of Contact Person</b>	
<b>Academic Title</b>	
<b>Position</b>	
<b>Telephone</b>	
<b>Fax</b>	
<b>E-mail</b>	