Pharmatrain – improving pharmaceutical education in Europe

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• The medical scientific discipline concerned with the discovery, development, evaluation, registration, monitoring and medical aspects of marketing of medicines for the benefit of patients and the public health
The goals of IMI-PharmaTrain project

• The harmonisation and modernisation of the post-graduate teaching of pharmaceutical medicine/drug development science in Europe
  ➢ Comprehensive syllabus of teaching topics
  ➢ Base level course: 30 ECTS
  ➢ Master level course: 30 + 30 ECTS

• The geographical extension of pharmaceutical medicine teaching within the EU beyond Western-Europe

• Further world-wide role out of the teaching program in cooperation with IFAPP
  ➢ USA, Asia: China, India
  ➢ International scientific accreditation by IFAPP
Postgraduate Three Tier Modular Process: “Good Bologna Practice, GBP”

Concept
- Syllabus-based
- Learning outcomes
- Base Course / Master extension
- Modularity
- Mobility

Learning Paths
- Workload
  60 ECTS à 30 hrs = 1800 hrs = 1 academic yr

30 ECTS Knowledge

60 ECTS Expertise

90 ECTS Competence

Base-Courses

Extension Modules

Diploma Exam

MDDS/MSc

Work-Project
- Thesis (10 ECTS)
- Electives
- (Research) Project

CPD
Lifelong learning

Elective Modules
How to provide education to EU MSs where no comprehensive PhM education exists?

- Countries where PhM education exists, member universities of EFCPM

- It is economically not cost-effective to organize separate national courses in small countries and/or in those countries with a relatively weak pharmaceutical industry
Cooperative European Drug Development Course (CEDDC)

- Czech Republic
- Estonia
- Greece
- Hibernia College, Ireland
- Hungary
- Lithuania
- Montenegro
- Poland
- Portugal
- Romania
- Serbia (Belgrade and Novi Sad)
- Slovakia
- Slovenia
- Turkey
Integration level of education
Second International Seminar on Joint Degrees - Antwerp, 26th March 2010 (www.joiman.eu)

Highest level of integration
- Joint administration of students and ad hoc services
- Joint QA measures
- Common budget and tuition fees
- Jointly developed curriculum (learning outcomes)
- Focus on international students
- QA measures standards jointly agreed
- Curriculum based on existing courses/ exploitation of excellences
- Jointly agreed students’ services and standards
- Based on own institution tuition policies
- Focus on local students
- Curriculum based on existing comparable courses

Lowest level of Integration (Structured mobility in bilateral cooperation)
Organization of joint education

All the teaching activities will be done jointly for all the enrolled students by a joint educational staff.
Planned cooperation of universities and interested stakeholders within the CEDDC

**IMI-PhT Harmonized Educational Program and Examination**

*International recognition*

**International Advisory Board**

Joint Educational Staff for each module composed of academic and industrial lecturers

**Governing Board**

Participating Universities

Stakeholders: advisors from innovative and generic pharmaceutical industries, regulatory agencies

Recognize joint degree, issue national degree if needed

National accreditation
Accreditation and the joint degree

The problems faced by a multinational course

Harmonized IMI-Pharmatrain-EFCPM curriculum

Joint Degree

National accreditations
National degrees

International scientific accreditation by IFAPP
The harmonised Medicines Development Curriculum and the quality assurance program is ready

Presently the implementation of the program is ongoing by the various course providers in Europe

Global roll out was started jointly with IFAPP

CEDDC, the multinational university consortium will initiate training medicines development science for experts of the CEE region in 2012