PharmaTrain – for all Professionals in Medicines Development

European Curricula for Global Expertise

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**What is Pharmaceutical Medicine? What is Drug Development Sciences?**

**Pharmaceutical Medicine** is 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 public health.

**Drug Development Process**
- **Discovery Research**
  - **00**
  - **0**
  - **I**
  - **II**
  - **III**
  - **IIIB**
  - **IV**

**Learning**

**Confirming**

• **Drug Development Science** is shaped by scientific advances, changing regulatory requirements and pharmaco-economic conditions.

• It is critical to the industry as an engagement tool that considers **patient outcomes** as the centre of everything it does.
The goals of IMI-PharmaTrain project

- To harmonise and modernise the *post-graduate* teaching of pharmaceutical medicine/drug development science in Europe
  - Comprehensive syllabus of teaching topics
  - Curricular programmes for base and master level courses
  - Development of teaching supports, E-learning programmes
  - Harmonised examination requirements
  - Joint quality assurance
  - The geographical extension of pharmaceutical medicine teaching to new EU MSs and associated countries

- Further world-wide role out of the teaching programme in cooperation with IFAPP
Standards for PharmaTrain CPD Core Platform and on-course database

- B1: Introductory Module One
- B2: Non-clinical Testing to Proof of Concept in Humans
- B3: Exploratory and confirmatory Clinical Development
- B4: Clinical Trials: Methodology and Biostatistics
- B5: Regulatory Affairs, Safety and Pharmacovigilance
- B6: Healthcare Marketplace and Economics of Healthcare
- E7: Biologicals
- E8: Special Populations Trial Practice
- E9: Pharmacoepidemiology Drug Safety Surveillance
- E10: Pharmacoconomics / Markets
- E11: Pharmacoepidemiology Drug Safety Surveillance
- E12: e-Library

n = 6

Electives n = 5/70

MMIC n = 3/12

DMDR n = 6/6

DCTP n = 6/6

e-Library n = 9 (-30!)

n = 3-4

CLIC

on course database

- CLIC
- EMTRAIN
- Eu2P
- SafeScMET
- Non-IMI

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What has been achieved?

PharmaTrain Manual
Curriculum Standards and Best Practices

- A *living document* was compiled for trainers and trainees giving clear instructions on the scientific and practical aspects of pharmaceutical medicine/drug development course organisation.
Universities participating in the development of the CEDDC joint course

- Czech Republic
- Estonia
- Greece
- Hungary
- Israel
- Lithuania
- Poland
- Romania
- Serbia (Belgrade and Novi Sad)
- Slovakia
- Slovenia
- Turkey