EMTRAIN
Training Future Open Innovation Practitioners in the biomedical Area

Ghazaleh Gouya
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YOU CAN RESIST AN INVADING ARMY; YOU CANNOT RESIST AN IDEA WHOSE TIME HAS COME.

VICTOR HUGO (1802-1885)
Open Innovation Training

Academia + EFPIA → EMTRAIN IMI ET
IMI Education and Training Projects

European Modular Education and Training Programme in Safety Sciences for Medicines

Eu2P

EUPATI

PharmaTrain

SafeSciMET

Others

IMI EMTRAIN platform

imi.europa.eu
EMTRAIN strengthens the Pan-European community of scientists in drug development by

Creating a network to integrate education and training programmes

Helping European scientists to navigate the jungle of courses

Fostering mobility of students and scientists

www.emtrain.eu
## EMTRAIN - Achievements

**LifeTrain**
- Network to integrate ET programmes

**EMTRAIN PhD-Initiative**
- Fostering mobility of students and scientists

**on-course®**
- Helping scientists to navigate the jungle of courses
Every professional in the biomedical sciences needs to develop and maintain an optimal level of professional competence, in order to contribute to speeding up the development of better and safer medicines for patients.
Continuing Professional Development (CPD) is essential and should be driven by each individual in agreement with their employer and in compliance with the requirements of the respective Professional Bodies.
LifeTrain Messages

An individual competency portfolio should capture all relevant information in a transparent, easy-to-understand way in order to facilitate mobility between: scientific disciplines; health authorities, academia and industry; jobs and countries; and to support career development.
Professional training courses should be developed and delivered in collaboration between industry and expert course providers. They should meet the needs of adult-learners and should be available on on-course®.
A personalised portfolio of competencies

- **Portfolio**
  - Courses not currently recognised by a professional body but that meet IMI E&T Shared Quality Standard
  - Meets IMI E&T Shared Quality Standard

- **LifeTrain**
  - Modules/courses recognised by professional bodies whose quality standards align with IMI’s
  - IFAAP recognized CPD
  - EuroTox-recognized CPD

- **on-course®**
  - IMI E&T modules
    - PharmaTrain
    - SafeSciMET
    - Eu2P

- **Informal learning/vocational education & training (VET)**
  - Employer-recognised CPD
IMI Education & Training LifeTrain

- Extensive CPD database
- Stakeholder interactions
- **Professional Bodies**
  - LifeTrain I Workshop Oct 2011
  - Concept Paper – wide consultation
- **Employers and course providers**
- LifeTrain II Workshop Nov 2012
- Implementation of change 2012 – 2013

Towards a Common Framework for Continuing Professional Development in the Biomedical Sciences*: A Consultation Paper Based on the First IMI Education and Training LifeTrain Workshop, Manchester, 4-5 October 2011

**Introduction**

In recent years Europe has been struggling to prevent further erosion of its research infrastructure against a background of increasing competition from North America and Asia. Europe is spending 0.8% of GDP less than the US and 1.5% less than Japan every year on Research & Development (R&D). Thousands of our best researchers and innovators have moved to countries where conditions are more favourable. Although the EU market is the largest in the world, it remains fragmented and is not sufficiently innovation-friendly [1]. The Innovative Medicines Initiative (IMI) [2] and the European Strategy Forum on Research Infrastructures (ESFRI) in Biomedical Sciences (BMS) [3] were established to help Europe retain its position in biomedical research and development. There is still an urgent need to do more, and to do it more quickly.
EMTRAIN PhD – Scope of Work

• Framework for Public-Private Partnership PhD programmes in Europe
  – Recommended (and published) standard
  – Annual Workshop
  – Lobbying and brokering
  – Course attendance and student bursaries

• on-course®
  – Comprehensive mapping of available PhD programmes
  – Promotion of public-private partnership PhD programmes
  – PhD alumni
PhDs – new generation of scientists

Independent researcher
PhD Framework – Foundation

• A series of interviews with 8 major pharmaceutical companies involved in PPP PhD collaborations

• Additional EFPIA input (IMI E&T project partners)
• Academic input (EMTRAIN project partners)
• Orpheus (and Orpheus recommended PhD standards)

• Bologna recommendations
• External Advisors
• Students input (Orpheus, EPSA)
• Analysis of variability of PhD programmes in Europe (based on national and/or institutional regulations)
• Experience from Pilot Workshop Feb 2012
Jungle of Courses Out There

How to navigate...

Tiger in a Tropical Storm (Surprised!) 1891, The National Gallery, London
WHAT?
on-course® is the most comprehensive and sustainable biomedical and medicines research and development postgraduate course portal in Europe.
What can on-course® offer you?

• Access to a wide selection of courses and levels, ranging from CPD (short courses) to Master and PhD programmes in the EU and associated countries
• The course information currently originates from about **1000 universities in 39 countries**.
• All courses are assessed and selected based on their **quality** and the course provider’s **expertise**.
• Courses are continuously kept **up-to-date and improved** based on users’ input.
What’s in it for the course seeker?

• on-course® aims to connect people, by providing a pan-European discussion forum for the industry, academia and regulators.

• We facilitate the exchange of ideas for innovative and collaborative research and development.

• Ongoing gap-analysis in training offerings
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Geographical Extension:
CEMDC - Cooperative European Medicines Development Course

Universities from:
- Estonia
- Greece
- Hungary
- Lithuania
- Poland
- Portugal
- Romania
- Serbia
- Slovakia
- Slovenia
- Turkey
What’s in it for universities?

- **on-course®** allows you to **gauge interest on current and proposed courses**.
- **on-course®** offers you the right tools to permit efficient communication and help you **stay updated** with rapidly changing education needs.
- You will get the opportunity to **join discussions** about education and training in Europe as a course provider.
What’s in it for the industry?

- on-course® offers you the opportunity to communicate training needs, in order for gaps to be identified and addressed.
- The changes in course offerings based on your requirements will allow students to focus on the knowledge that is in demand, in the long term reducing in-house trainings.
Our “Horizon 2020”

- PharmaTrain finishes
- SafeSciMET & Eu2P finish
- EMTRAIN finishes
- EUPATI finishes