

Personalised master-level modular training

Diploma Courses

Six Modules form a Diploma Course of Medicines Development. They cover the entire PharmaTrain Syllabus topics, Learning Outcomes and Competencies.

Master programmes

In addition to the 6 Diploma Modules, another 6 Modules extend the knowledge and practice of Medicines Development to a Master degree (Extension Master). The same content is taught by some PharmaTrain course providers in a continuous sequence of 12 Modules (Integrated Master).

Short Courses/Continuing Professional Development (CPD)

All modules can be selected from the Short Courses/CPD platform as stand-alone training (short courses), regardless of whether they are part of a Diploma Course, Master Programme or neither. More than 100 (and increasing) single modules cover various Syllabus topics. You are free to make your personal choice from this CPD platform.

State-of-the-art pedagogy

To optimise the learning process up-to-date learning methods are used including: face-to-face teaching; breakout sessions; internships; blended and e-learning and assessed assignments.

Modules

The Bologna System has been used to define each module in terms of ECTS units where 1 ECTS unit equates to a total of approximately 25 learning hours including home work, e-learning etc. Each PharmaTrain module is designated as being worth 5 ECTS.

More information

More about courses, course providers and how to join the PharmaTrain Federation: www.pharmatrain.eu

The IMI PharmaTrain Project has received support from the Innovative Medicines Initiative Joint Undertaking under grant agreement n° [115013], resources of which are composed of financial contribution from the European Union's Seventh Framework Programme (FP7/2007-2013) and EFPIA companies' in kind contribution.

www.pharmatrain.eu

Public-Private Partnership

The IMI PharmaTrain project has been developed during a five-years phase in a partnership of public and private institutions:

Partners of the IMI PharmaTrain Project

Almirall, Amgen, AstraZeneca, Bayer Pharma, Esteve, EuropaBio, European Federation of Pharmaceutical Sciences (EUFEPS), European Medicines Agency (EMA), F. Hoffmann-La Roche, GlaxoSmithKline Research and Development, Göteborg University, HSE Foundation, Johnson&Johnson, Karolinska Institute, Medicines and Healthcare products Regulatory Agency (MHRA), Merck Serono, Novartis Pharma, Novo Nordisk, Orion Pharma, Pfizer, PharmaTrain Federation, PME Institute for Education in Pharmaceutical Medicine, PriceWaterHouse Coopers, Sanofi-Aventis R&D, Top Institute Pharma Leiden, UCB Pharma, Universitat Pompeu Fabra, Barcelona, Université de Strasbourg, University Hospital Freiburg, University of Barcelona, University of Newcastle, University of Vienna

Members of the PharmaTrain Federation

Autonomous University of Barcelona, Cardiff University, Catholic University of Rome, Drug Information Associations, DIA-Europe, Basel, European Forum for Good Clinical Practice (EFGCP), European Organisation for Research and Treatment of Cancer (EORTC), Faculty of Pharmaceutical Medicine, Royal College (FPM), Hibernia College, International Federation of Associations of Pharmaceutical Physicians & Pharmaceutical Medicine (IFAPP), Japanese Association of Pharmaceutical Medicine, King's College London, Osaka University, Peking University Clinical Research Institute, Semmelweis University, Swissmedic, Università di Milano Bicocca, Université Libre de Bruxelles (Pharmed), University Claude Bernard (Eudipharm), University Hospital Essen, University Hospital Basel (Clinical Trial Unit), University of Aveiro, University of Basel (ECPM), University of Belgrade, University of California (UCSF), University of Copenhagen, University of Dublin (Trinity College), University of Hertfordshire, University of Stellenbosch, University of Surrey

PharmaTrain

MASTERING MEDICINES DEVELOPMENT



- ★ High-quality Shared Standards for postgraduate Education and Training in Medicines Development
- ★ International course recognition
- ★ Global trainee certification
- ★ Based on university-industry partnership
- ★ For career-conscious trainees
- ★ For quality-conscious course providers
- ★ For future-conscious industry

PharmaTrain Federation: the accrediting and certifying organisation



Shared global training standards

High-quality Education & Training

PharmaTrain has implemented new and reliable standards for high-quality postgraduate education and training in Medicines Development with global impact.

Quality assessment

Training Centres which offer Diploma Courses and Master Programmes under the PharmaTrain brand, share the high PharmaTrain standards and undergo quality assessments. They are awarded “PharmaTrain Centre Recognition” or, if they offer other CPD modules in addition to the standardised programmes, “PharmaTrain Centre of Excellence”.

Powered by university-industry partnership

PharmaTrain started as an Education and Training project within the European Innovative Medicines Initiative (IMI; www.imi.europa.eu), the biggest public-private partnership in biomedicine. The project received a €7 million support from the European Commission and European Federation of Pharmaceutical Industries and Associations (EFPIA) companies.

Learning contents

From Syllabus to Learning Outcomes

Along the road from molecule to patient, PharmaTrain has defined 180 content topics in the comprehensive Syllabus of Medicines Development. These items are mapped to 60 Learning Outcomes.

The content of the PharmaTrain Syllabus covers all relevant aspects of medicines development such as

- Discovery of medicines
- Development of medicines: planning
- Non-clinical testing
- Pharmaceutical development
- Exploratory development, molecule to proof-of-concept
- Confirmatory development
- Clinical trials
- Ethics and legal issues
- Data management and statistics
- Regulatory affairs
- Drug safety, pharmacovigilance and pharmacoepidemiology
- Information, promotion and education
- Economics of healthcare
- Therapeutics

PharmaTrain Federation

PharmaTrain provides accreditation and professional certification to ensure the competence of medicines development scientists and clinical investigators. Substantial value has been created during the five-year project period. The PharmaTrain Federation is the successor organisation and is managing and further developing these valuable assets.

Course provider members

Universities and private course providers cooperate in a network meeting the jointly developed high standards. PharmaTrain recognised Centres are members of the Federation and are actively engaged in driving the values.

Company members

How can companies be sure that their staff is educated by the best courses? PharmaTrain performs the due diligence of the course providers with the bench marks of the industry. To update and further develop this value in the future, company members play an important role in the Federation.

Trainees

Postgraduates interested in the process of discovery, development, regulation and marketing of medicines are given new opportunities to broaden their horizons and drive their careers.

