University of Basel

Faculty of Medicine

# E-Learnings




E-Module: Personalized Healthcare
E-Module: Basics in Health Economics
E-Module: Drug Safety and Pharmacovigilance

ECPM®
European Center of Pharmaceutical Medicine

ADVANCED STUDIES

### Introduction

Our e-learning courses provide an interactive environment for self-paced learning. As soon as you have booked the course, the program is accessible online for you during one year at anytime. The course allows you to start/stop at any time. There will be several intermediate tests which will prepare you for the final test. The curriculum consists of nine lessons with a duration of approximately 60 to 90 minutes each. In addition individual study, such as critical appraisal of specific literature is required (in total: approximately 30 hours). Each lesson is aimed to achieve a set of learning outcomes, using interactive techniques to help reinforce the taught topics.

### Registration, Fee, and Credits

www.ecpm.ch or www.ecpm.ch/e-learning
CHF 650

After completion, you will receive a certificate of the University of Basel with 1 ECTS (which equals about 30 hours).

## E-Module: Personalized Healthcare

### Outline

This e-learning course provides an understanding of the key principles and methodological concepts of personalized drug development. The role of individualized treatment strategies is addressed including all relevant clinical, ethical and governmental aspects.

### Learning Outcomes

- Biological and clinical concepts of personalized medicine
- Be able to understand the benefits and pitfalls of individualized therapies for patients
- Comprehend the basic elements of predictive and prognostic interventions
- Understand the role of surrogate endpoints and clinically validated biomarkers in personalized medicine
- Understand pharmacogenetic and pharmacogenomic implications
- Understand the economic challenges of personalized medicine and how policy makers set priorities in individualized health care
- Be able to determine legal, regulatory and ethical aspects which come across with personalized medicine

## E-Module: Basics in Health Economics

### Outline

This e-learning course provides an understanding of the key principles and methodological concepts of health economic evaluations.

### Learning Outcomes

- Fundamental concepts of health economics
- Key elements of health economic evaluation
- Assessment and analysis of a published health economic study
- The importance of health economic/pharmacoeconomic methods and concepts for the drug development process, clinical trials, and post-marketing surveillance
- How policy makers set priorities in health care and how health economic evaluations support this process

## E-Module: Drug Safety and Pharmacovigilance

### Outline

This e-learning course provides an understanding of the safety-related aspects within the drug development process. This ranges from early preclinical testing, risk/benefit assessment up to clinical adverse event signal detection and monitoring.

### Learning Outcomes

- The role of drug safety in the successful development and usage of a medicine to the benefit of patients
- What safety-related questions need to be answered in early and late drug development
- Tools, techniques and methodologies used in drug safety evaluation
- What frequent pitfalls related to drug safety considerations occur and why they can lead to discontinuation of drugs in development, label changes or even withdrawal of drugs from the market after launch
- How changes in safety assessment could become part of a new drug development paradigm.

**Educating**
**Talents**
since 1460.

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