



University
of Basel

Faculty of
Medicine



Genomics in Drug Development

University of Basel
Basel, Switzerland
18.04 – 19.04.2024

ECPM[®] 
European Center of Pharmaceutical Medicine

CONTINUING
EDUCATION

Course Description

This course provides continuing professional development at the cutting-edge of medical innovation. It delves into the intersections of genomics, pharmaceutical science and legal considerations, offering a comprehensive understanding of how genomics is reshaping the landscape of pharmaceutical research and development. Through engaging lectures and cases, participants will be exposed to the synergistic relationship between genomics and drug development, as well as delving into the intricate web of ethical considerations surrounding patient consent, data privacy, and equitable access to genomic information.

Course Program

Day 1

Basics of Genetics / Genetic Testing Networks / Genetic Epidemiology and Public Health Genetics / Using Genetics and Genomics for Target Identification and Drug Discovery

Day 2

Using Genetics and Genomics in Clinical Development/ Treatment of Genetic Diseases incl. Gene-Therapy/Genetics and Genomics in Drug Safety Evaluation/Ethical, Legal and Social Aspects incl. Data Protection Aspects

Learning Outcomes

Upon completion of this course, participants will be able to:

- Understand the crucial principles of genomics and its direct relevance to the drug development process.
- Acquire insights into the intricate process of translating cutting-edge genomics research into actionable strategies for drug discovery.
- Navigate the intricate web of ethical dilemmas and multifaceted regulatory considerations that emerge from

the integration of genomics in medical research and therapeutics.

- Analyse the intricate legal frameworks underpinning genomics in drug development and the dynamic interplay between scientific progress and legal intricacies.
- Cultivate a globally informed perspective on the challenges, opportunities, and future trajectories of genomics within the pharmaceutical landscape.

Course Faculty

The faculty boasts international experts from multiple disciplines relating to genomic medicine:

- Prof Sabine Gallati Kraemer, co-lead Genomic Medicine, Hirslanden Clinic, Zurich
- Prof. Thomas Szucs, co-lead Genomic Medicine Hirslanden, Zurich and ECPM, University of Basel
- Prof Nicole Probst, Head of the Department of Epidemiology and Public Health and the Chronic Disease Epidemiology Unit at Swiss TPH, Basel
- Prof Vincent Moser, Canada Excellence Research Chair in Genomic Medicine, Montreal
- Prof Claudia Seitz, attorney and lecturer in Public Law, European Law, International Law and Life Sciences-Law

Target Audience

This course is tailored for a wide range of participants including: researchers in genomics and pharmaceuticals, healthcare professionals seeking to understand the integration of genomics into personalised medicine, legal professionals interested in the interface of genomics and life science law, industry leaders looking to stay informed about personalised healthcare and ethicists interested in the responsible implementation of genomic medicine.

Course Credits and Certificate

Participation and submission of assignment result in a Certificate of Attendance by the University of Basel with 1 ECTS credit point and is also accredited with 100 FPH-points in hospital pharmacy and 100 FPH-points in clinical pharmacy by the Swiss Society FPH Spital (Fachgesellschaft FPH Spital).

Course Date and Venue

18.04 – 19.04.2024
University of Basel, Biozentrum, Spitalstrasse 41,
4056 Basel, Switzerland

Course Fee

Course fee including certificate, electronic course material, lunch and coffee breaks is CHF 1950.

The reduced for participants from academia and nonprofit organizations is CHF 950.

Course Registration

www.ecpm.ch/genomics
Deadline for registration: 24.03.2024

Course Organizer

ECPM
European Center of Pharmaceutical Medicine
University of Basel
Klingelbergstrasse 61
CH-4056 Basel
Phone +41 61 207 19 50
E-mail ecpm@unibas.ch

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University of Basel
ECPM
Institute of Pharmaceutical Medicine
Klingelbergstrasse 61
4056 Basel
Switzerland

www.ecpm.ch

