

Third European Society of Human Genetics Training Course on Pharmacogenomics

November 11-13, 2026

[Venue: Sister, Manchester, UK, M1 7JR](#)



The European Society
of Human Genetics

Pharmacogenomics is increasingly being recognized as a valuable way of reducing adverse drug reactions and improving drug effectiveness. This course aims to deliver up-to-date knowledge on how pharmacogenomics can be applied in clinical practice. The primary beneficiaries of the course will be drug prescribers with limited knowledge of pharmacogenomics. It will be especially valuable for pharmacists, GPs and hospital physicians and nurse prescribers.

There will be opportunity for informal interaction and discussion with experts from all over Europe. The faculty combines experts from genetics, pharmacology, pharmacy, laboratory science, all known for their teaching skills.

Course Directors:

Prof Bill Newman and Dr John McDermott (Manchester), Prof Vita Dolzan (Ljubljana)

Faculty:

Prof Vita Dolžan

Dr Jude Hayward

Dr Tore Haslemo

Jessica Keen

Dr Emma Magavern

Prof Mikko Niemi

Prof Katherine Payne

Prof Sir Munir Pirmohamed

Cristina Perez-Becerril

Dr Cristina Rodríguez-Antona

Dr Videha Sharma

Prof Jesse Swen

Prof Ron van Schaik



Supported by the ESPT:

ESPT
European Society of Pharmacogenomics and Personalised Therapy
A Scientific Society for Individualised Medicine

PROGRAMME

Day 1 Programme: Wednesday, November 11th, 2026

THEME: BASICS IN PHARMACOGENOMICS

TIME	SESSION
	<i>coffee + pastries on arrival</i>
10:00 – 10:15	Course Introduction Bill Newman and John McDermott
10:15 – 11:00	Principles of pharmacogenomics Mikko Niemi (Helsinki, Finland)
11:15 – 11:45	Pharmacogenetic Nomenclature John McDermott
11:45 – 12:00	A patient's view of the value of pharmacogenomics Mark Rapa
12:00 – 13:00	LUNCH BREAK
13:00 – 13:45	Models of Pharmacogenomics Implementation & Effectiveness John McDermott
13:45 – 14:30	Adverse Drug Reactions Jesse Swen (Leiden, Netherlands)
14:30 – 15:00	REFRESHMENT BREAK (juice/water)
15:00 – 16:45	WORKSHOP: Pharmacogenetics in Clinical Practice - use of databases and variant interpretation John McDermott & Bill Newman
	<i>Free time for evening meal in Manchester</i>

Day 2 Programme: Thursday, November 12th, 2026

THEME: PGX TESTING: LAB, DATA, AND ECONOMICS

TIME	SESSION
09:00 – 10:00	How to deliver a lab diagnostic service for PGx Ron van Schaik (Rotterdam, Netherlands)
10:00 – 10:30	New lab technologies, including long read WGS Cristina Perez-Becerril (Manchester)
10:30 – 10:50	PGx enzyme tests, when and where these are useful? Bill Newman
10:50 – 11:20	COFFEE BREAK (coffee/tea/water +biscuits)
11:20 – 11:50	Pharmacogenomics in Primary Care Jude Hayward
12:00 – 13:00	Health Economic Considerations in Pharmacogenetics Katherine Payne (Manchester)
12:50 – 13:30	LUNCH BREAK
13:30 – 15:15	Workshop: Pharmacogenetic Reports: writing, interpretation and patient communication John McDermott and Bill Newman
15:15 – 15:45	COFFEE BREAK + water/juice
	DELIVERING PHARMACOGENOMICS ACROSS EUROPE
15:45 – 16:05	Prepare study – the evidence for implementation Vita Dolzan (Ljubljana, Slovenia)
16:05 – 16:25	Experience from delivering PGx in Finland Mikko Niemi

TIME	SESSION
16:25 – 16:45	Roll out of PGx in Spain Cristina Rodriguez Antona (Madrid, Spain)
<i>COURS DINNER for all Delegates and Faculty in Manchester</i>	

Day 3 Programme: Friday, November 13th, 2026

THEME: PHARMACOGENOMICS IMPLEMENTATION

TIME	SESSION
09:00 – 9:45	Germline Pharmacogenetics and Safe Cancer Therapy Cristina Rodriguez Antona
09:45 – 10:30	PGx in mental health Tore Haslemo (Oslo, Norway)
10:30 – 11:00	COFFEE BREAK
THEME: Clinical Implementation	
11:00 – 11:30	PGx Implementation in neonatal units John McDermott
11:30 – 12:00	PGx implementation in stroke/service design Videha Sharma
12:00 – 12:30	The Importance of Health Informatics for the Delivery of Pharmacogenetics Videha Sharma (Manchester)
12:30 – 13:30	LUNCH
13:30 – 14:00	PGx research in large datasets Emma Magavern (QMUL)
14:00 – 14:30	Role of Pharmacists in Pharmacogenetics Jessica Keen (Manchester)
14:30 – 15:15	ESHG PGx Keynote Lecture: The future of pharmacogenomics Munir Pirmohamed
15:15 – 15:30	<i>Course end and feedback</i>

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