Third European Society of Human Genetics Training Course on Pharmacogenomics

November 11-13, 2026
Sister, Manchester (https://sistermanchester.com)

Pharmacogenomics is increasingly being recognised 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 Sir Munir Pirmohamed (Liverpool, UK)
Prof Vita Dolzan (Ljublijana, Slovenia)
Prof Mikko Niemi (Helsinki, Finland)
Prof Ron van Schaik (Rotterdam, Netherlands)
Dr Cristina Rodriguez Antona (Madrid, Spain)
Prof Jesse Swen (Leiden, Netherlands)
Dr Tore Haslemo (Oslo, Norway)
Dr Cristina Perez-Becerril (Manchester)
Dr Alireza Mahboub-Ahari (Manchester, UK)
Dr Videha Sharma (Manchester, UK)
Prof Sandosh Padmanabhan (Glasgow UK)
Dr Jude Hayward (Genomics England UK)
Dr Emma Magavern (London, UK)

PROGRAMME

Day 1 Programme: Wednesday, November 11th, 2026

THEME: ***Basics in Pharmacogenetics***
coffee + pastries on arrival

09:00 – 10:00	**Registration Open**
10:00 – 10:15	**Course Introduction** Bill Newman & John McDermott
10:15 – 10:45	**Pharmacogenetic Nomenclature** John McDermott
10:40 – 11:35	**Principles of pharmacogenomics** Mikko Niemi
11.35-12.00	**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
14.30-15:00	***REFRESHMENT BREAK***
15:00-16:45	**WORKSHOP: Pharmacogenetics in Clinical Practice - use of databases and variant interpretation** John McDermott & Bill Newman
	Free time for evening meal in Manchester

Day 2 Programme: Thursday, November 12th, 2026

THEME: ***PGx testing: lab, data, and economics***

09:00 – 10:00	**How to deliver a lab diagnostic service for PGx** Ron van Schaik
10:00 - 10:30	**New lab technologies, including long read WGS** Cristina Perez-Becerril
10.30 - 10.50	**PGx enzyme tests, when and where these are useful?** Bill Newman
10:50 – 11:20	***COFFEE BREAK***
11.20 – 11:50	**Pharmacogenomics in Primary Care** Jude Hayward
12:00 – 13:00	**Health Economic Considerations in Pharmacogenetics** Alireza Mahboub-Ahari
13:00 – 13:40	***LUNCH***
13:40 – 15:25	***Workshop 2:*** **Pharmacogenetic Interpretation: - Databases and clinical reporting** John McDermott and Bill Newman
15:25 – 15:45	***REFRESHMENT BREAK***

THEME: ***Delivering pharmacogenomics across Europe***

15.45 - 16.05	**Prepare study – the evidence for implementation** Vita Dolzan

16:05 – 16:25	**Experience from delivering PGx in Finland** Mikko Niemi
16.25 - 16.45	**Roll out of PGx in Spain** Cristina Rodriguez Antona
19:00	***Networking Dinner for all delegates and faculty in Manchester***

Day 3 Programme: Friday, November 13th, 2026

THEME: ***Pharmacogenomics implementation***

09:00 – 9:45	**Germline Pharmacogenetics and Safe Cancer Therapy** Cristina Rodriguez Antona
09:45 – 10:30	**PGx in mental health** Tore Haslemo
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
12:30 – 13:30	***LUNCH***
13:30 – 14:00	**PGx research in large datasets** Emma Magavern
14:00 - 14:30	**Phoenix study: delivery of PGx in acute hospital settings** Sandosh Padmanabhan
14:30 – 15:15	**ESHG PGx Keynote Lecture: The future of pharmacogenomics** Munir Pirmohamed
15:15 - 15:30	**Course end and feedback**

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