

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.

Directors of the course:

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

Faculty:

Prof Sir Munir Pirmohamed (Liverpool, UK)
Prof Vita Dolzan (Ljubljana, 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 PHARMACOGENOMICS

coffee + pastries on arrival

10:00 – 10:20	Course Introduction Bill Newman & John McDermott
10:20 – 10:50	Pharmacogenetic Nomenclature John McDermott
10:50 – 11:35	Principles of pharmacogenomics Mikko Niemi (Helsinki, Finland)
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](#) (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](#)

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 pharmacogenomic laboratory service** [Ron van Schaik](#) (Rotterdam, Netherlands)
- 10:00 - 10:30 **New technologies, including long read WGS** [Cristina Perez-Becerril](#) (Manchester)
- 10.30 - 10.50 **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** [Dr Alireza Mahboub-Ahari](#)(Manchester)
- 12:50 – 13:30 **LUNCH**
- 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](#)
- 16.25 - 16.45 **Roll out of PGx in Spain** [Cristina Rodriguez Antona](#) (Madrid, Spain)

19.30 COURSE DINNER for all delegates and faculty in Manchester

Day 3 programme: Friday, November 13th, 2026

THEME: *Clinical Implementation*

- 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**
- 11.00-11.30 **PGx implementation in stroke/service design** [Videha Sharma](#)
- 11.30-12.00 **PGx Implementation in neonatal units** [John McDermott](#)
- 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** Pharmacogenomic research in large datasets [Emma Magavern \(QMUL\)](#)
- 14:00 - 14:30** Phoenix study: delivery of PGx in acute hospital settings [Sandosh Padmanabhan \(Glasgow\)](#)
- 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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