

# Third European Society of Human Genetics Training Course on Pharmacogenomics



November 11-13, 2026

Venue: Sister, Manchester, UK, M1 7JR (<https://sistermanchester.com>)

*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

# PROGRAMME

## Day 1 Programme: Wednesday, November 11th, 2026

THEME: *BASICS IN PHARMACOGENOMICS*

*coffee + pastries on arrival*

- 10:00 – 10:15 Course Introduction [Bill Newman & 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](#)

*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 \(Rotterdam, Netherlands\)](#)
- 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**
- 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 13<sup>th</sup>, 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 \(Oslo, Norway\)](#)

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 Course end and feedback

Supported by the ESPT -



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