



# ESHG Pharmacogenomics Course

<http://ibk.mf.uni-lj.si/people/dolzan/eshgpgxcourse2025>

**Hotel Histria**  
**Portorož – Slovenia**  
**June 04 – 06, 2025**



# ESHG Pharmacogenomics Course

## The aim of the course:

This course aims at delivering up-to-date knowledge on pharmacogenetics and pharmacogenomics and its clinical implementation to PhD students, researchers, clinicians, pharmacists, clinical pharmacologists, genetic counsellors, clinical and molecular geneticists in training or certified. It creates an opportunity for interaction and discussion with experts from all over Europe. The faculty combines experts from many fields of pharmacogenetics known for their teaching skills, many of them involved in major EU pharmacogenomics projects and societies.

Participants are encouraged to submit an abstract for on-site presentation of a clinical or genetic case in a poster format or as short presentation.

## Directors of the course:

**Vita Dolžan** (Ljubljana, Slovenia; ESPT, SafePolyMed, PharmGenHub)

**Magnus Ingelman-Sundberg** (Stockholm, Sweden)

**Bill Newman** (Manchester, United Kingdom, ESHG)

**Cristina Rodriguez-Antona** (Madrid, Spain)

**Ron van Schaik** (Rotterdam, Netherlands, ESPT)

**Julia C. Stingl** (Heidelberg, Germany; SafePolyMed)

## Local Organizing Committee (Ljubljana, Slovenia):

**Vita Dolžan**, chair

**Katja Goričar, Maruša Barbo, Tanja Blagus, Teja Muha, David Vogrinc**

## Organizational Support



[https://www.antana-pco.com/;](https://www.antana-pco.com/)

[info@antana-pco.com](mailto:info@antana-pco.com)

## Venue:

**The course will take place at the Hotel Histron**, Obala 2b, 6320 Portorož, Slovenia

The hotel is situated next to the picturesque ruins of the bell tower of the Church of St. Bernardine, against the green of the oleander shrubs, lavender, and laurel bushes and surrounded by the endless blue of the sea and the sky.



## Faculty:

**Erika Cecchin** (CRO Aviano, Italy)

**Ann K. Daly** (Newcastle University, United Kingdom)

**Vita Dolžan** (Faculty of Medicine, University of Ljubljana, Slovenia)

**Katja Goričar** (Faculty of Medicine, University of Ljubljana, Slovenia)

**Magnus Ingelman-Sundberg** (Karolinska Institute, Stockholm, Sweden)

**Adrian Llerena** (Extremadura University Hospital, Badajoz, Spain)

**John McDermott** (Manchester Centre for Genomic Medicine, Manchester University NHS Foundation Trust, United Kingdom)

**William Newman** (Manchester Centre for Genomic Medicine, Manchester University NHS Foundation Trust, United Kingdom)

**Mikko Niemi** (University of Helsinki, Finland)

**Cristina Rodriguez-Antona** (Spanish National Cancer Research Centre, Madrid, Spain)

**Ron van Schaik** (Erasmus MC, Rotterdam, The Netherlands)

**Julia C. Stingl** (Heidelberg University Hospital, Germany)

**Branka Zukić** (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Serbia)

## ESHG Fellowships:

A limited number of the ESHG-funded fellowships are available for young scientists (Students/PostDocs/Residents in training). Preference will be given to ESHG members and researchers from countries which are disadvantaged economically, although fellowships are not limited to these groups.

**Fellowships of 1000 € will cover the full registration fee and accommodation and travel expenses up to the fellowship amount.**

Fellowship applications be submitted at the time of your registration using a provided [form](#). Please submit your application form and all accompanying documentation to the local course administrators via e-mail at [pgxlabulmf@gmail.com](mailto:pgxlabulmf@gmail.com).

## This course is endorsed by:

**ESPT** - European Society of Pharmacogenomics and Personalised Therapy

**SafePolyMed** - Improving Safety in Polymedication by Managing Drug-Drug-Gene Interactions (HORIZON-HLTH-2021-CARE-05)

**PharmGenHUB** - Pharmacogenomics Hub in a strengthened IMGGE (HORIZON-WIDERA-2021-ACCESS-02)



### Important dates:

**April 30, 2025** - Early registration deadline

**April 25, 2025** - ESHG Fellowship application deadline

**April 30, 2025** - Abstract submission deadline

**May 31, 2025** - Late registration deadline (without abstract)

**Event opening/closing dates: June 4 – June 6, 2025**

### Registration guidelines:

All participants are requested to register using the [online form](#).

### Registration fees:

Registration	Deadline	Students Residents	Academia Clinicians	Corporate	Accompanying persons
Early	30.04.2025	550*	600*	700*	300***
Late	31.05.2025	700*	750*	800*	300***
Daily		200**	250**	300**	/

\*Registration includes: conference admission and materials, coffee breaks, lunches, dinners and social events.

\*\*Daily registration includes: conference admission and materials, coffee breaks, lunches, dinners and social event of the day.

\*\*\*Registration includes: coffee breaks, lunches, dinners and all social events.

VAT is included in the price

### Abstract submission guidelines:

All participants are also invited to present their work as a **short talk** or a **poster**. Short oral presentations will be selected from the submitted abstracts.

Abstract submission deadline: **April 30, 2025** at 23:59 (CEST)

Abstracts of lectures and posters will be published in a **book of abstracts**. Notification about the type of presentation will be sent by 15 May 2025.

Abstracts must be submitted at the time of your registration on the provided [template](#). Please submit your abstract via e-mail at [pgxlabulmf@gmail.com](mailto:pgxlabulmf@gmail.com).

Abstracts must be prepared in **English**. Submitting more than one abstract is acceptable.

**Title** of the abstract should not exceed 15 words. Total length of the **abstract** text should not exceed 300 words.

Title, authors' names and affiliations are not included in the word count.

## PROGRAMME AT A GLANCE

### Day 1: WEDNESDAY June 4<sup>th</sup> 2025

8.00 – 8.30	Registration
8.30 – 10.15	<b>Session 1: Introduction to Pharmacogenetics</b>
10.15 – 11.00	Coffee break
11.00 – 12.30	<b>Session 2: Pharmacogenomics of Adverse Drug Reactions</b>
12.30 – 14.00	Lunch
14.00 – 15.30	<b>Session 3: Cancer Pharmacogenomics 1</b>
15.30 – 16.30	Coffee break and poster viewing
16.30 – 18.30	<b>Session 4: Clinical topics in Pharmacogenomics 1</b>
19.00 –	Welcome reception

### Day 2: THURSDAY June 5<sup>th</sup> 2025

8.30 – 10.30	<b>Session 5: Clinical topics in Pharmacogenomics 2</b>
10.30 – 11.00	Coffee break
11.00 – 12.30	<b>Session 6: Clinical Implementation of Pharmacogenetics I</b>
12.30 – 14.00	Lunch
14.00 – 15.30	<b>Workshop 1: Pharmacogenomics resources 1</b>
15.30 - 16.30	Coffee break and poster viewing
16.30 – 18.30	<b>Session 7: Novel biomarkers of treatment response</b>
19.00	Conference dinner

### Day 3: FRIDAY June 6<sup>th</sup> 2025

8.30 – 10.00	<b>Workshop 2: Extracting pharmacogenomic information from NGS data</b>
10.00 - 11.00	Coffee break and poster viewing
11.00 – 12.30	<b>Session 8: Clinical Implementation of Pharmacogenetics II</b>
12.30 – 14.00	Lunch
14.00 – 15.15	<b>Session 9: Clinical Implementation of Pharmacogenetics - Discussion Forum</b>
15.15 – 16.00	Coffee break
16.00 – 17.00	<b>Session 10: Closing lectures</b>
18.00	A guided tour of Piran
19.30	Farewell dinner in Piran

## DETAILED PROGRAMME

### Day 1: WEDNESDAY June 4<sup>th</sup> 2025

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8.00 – 8.30	Registration
8.30 – 10.15	<b>Session 1: Introduction to Pharmacogenetics</b>
8.30 – 8.45	<b>Course Welcome:</b> Vita Dolžan (Slovenia)
8.45 – 9.30	<b>Opening lecture:</b> Pharmacogenomics, validation of the genetic background – Magnus Ingelman-Sundberg (Sweden)
9.30 – 10.15	Pharmacogenomics of drug transporters - Mikko Niemi (Finland)
10.15 – 11.00	Coffee break
11.00 – 12.30	<b>Session 2: Pharmacogenomics of Adverse Drug Reactions</b>
11.00 – 11.30	Pharmacogenomics of Adverse Drug Reactions – Julia C. Stingl (Germany)
11.30 – 12.00	Pharmacogenomics of Drug-Induced Liver Injury – Ann K Daly (UK)
12.00 – 12.30	Pharmacogenomics in prediction of cardiovascular drugs adverse reaction –PgxCARDIODrug – Lana Ganoci (Croatia)
12.30 – 14.00	Lunch
14.00 – 15.30	<b>Session 3: Cancer Pharmacogenomics 1</b>
14.00 – 14.30	Pharmacogenomics in cancer treatment – Cristina Rodriguez-Antona (Spain)
14.30 – 15.00	The use of pharmacogenetics to personalize anti-cancer treatment: state of the art and future directions – Erika Cecchin (Italy)
15.00 – 15.15	Pharmacogenomics of thiopurine drugs in pediatric acute lymphoblastic leukemia: towards personalized therapy in Serbia? – Branka Zukić (Serbia)
15.15 – 15.30	Thiopurine pharmacogenomics and TDM in Slovenia – Alenka Šmid (Slovenia)
15.30 – 16.30	Coffee break and poster viewing

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<b>16.30 – 18.30</b>	<b>Session 4: Clinical topics in Pharmacogenomics 1</b>
16.30 – 17.00	Pharmacogenomics in Psychiatry – <b>Adrian Llerena</b> ( <i>Spain</i> )
17.00 – 17.30	Implementation of a pharmacogenomic testing strategy in primary care – <b>John McDermott</b> ( <i>UK</i> )
17.30 – 18.30	Short presentations / Case presentations – to be selected from abstracts
<b>19.00 –</b>	Welcome reception

## Day 2: THURSDAY June 5<sup>th</sup> 2025

<b>8.30 – 10.30</b>	<b>Session 5: Clinical topics in Pharmacogenomics 2</b>
8.30 – 9.00	Pharmacogenomics and polypharmacy in the elderly – <b>Julia C. Stingl</b> ( <i>Germany</i> )
9.00 – 9.30	Pharmacogenetics in treatment of cardiovascular diseases (- is it cost effective?) – <b>Ron van Schaik</b> ( <i>The Netherlands</i> )
9.30 – 10.00	Pharmacogenetics lessons from clinical genetics – <b>Bill Newman</b> ( <i>UK</i> )
10.00 – 10.30	Point of care testing in pharmacogenomics – <b>John McDermott</b> ( <i>UK</i> )
<b>10.30 – 11.00</b>	Coffee break

<b>11.00 – 12.30</b>	<b>Session 6: Clinical Implementation of Pharmacogenetics I</b>
11.00 – 11.30	Clinical implementation of pharmacogenetics - Finnish experience – <b>Mikko Niemi</b> ( <i>Finland</i> )
11.30 – 12.00	Creation of a national pharmacogenomics program – <b>Bill Newman</b> ( <i>UK</i> )
12.00 – 12.30	Clinical implementation of pharmacogenetic testing in Spain – <b>Adrian Llerena</b> ( <i>Spain</i> )
<b>12.30 – 14.00</b>	Lunch

<b>14.00 – 15.30</b>	<b>Workshop 1: Pharmacogenomics resources</b>
14.00 – 14.30	Bioinformatics tools in pharmacogenomics research – <b>David Vogrinc, Katja Goričar</b> ( <i>Slovenia</i> )
14.30 – 15.00	Pharmacogenes in focus: PharmGKB and (PharmVar) – <b>Vita Dolžan, Katja Goričar</b> ( <i>Slovenia</i> )
15.00 – 15.30	Educational resources in pharmacogenetics – <b>Vita Dolžan</b> ( <i>Slovenia</i> )

<b>15.30 – 16.30</b>	Coffee break and poster viewing
<b>16.30 – 18.30</b>	<b>Session 7: Novel biomarkers of treatment response</b>
<b>16.30 – 17.00</b>	Genomic diversity and predictive biomarkers in renal cancer – <b>Cristina Rodriguez-Antona</b> ( <i>Spain</i> )
<b>17.00 – 17.30</b>	Pharmacogenomic and epigenomic biomarkers in radiotherapy – <b>Katja Goričar</b> ( <i>Slovenia</i> )
<b>17.30 – 17.50</b>	Uncovering Treatment-Responsive Immune Pathways in Multisystem inflammatory syndrome in children (MIS-C) Through Single-Cell Multiomics – <b>Barbara Jenko Bizjan</b> ( <i>Slovenia</i> )
<b>17.50 – 18.10</b>	Epigenetic biomarkers of nusinersen treatment in children with SMA – <b>Jernej Kovač</b> ( <i>Slovenia</i> )
<b>18.10 – 18.30</b>	miRNA Biomarkers in Osteoporosis: A Pharmacoeepigenetic View of Teriparatide Response – <b>Lucija Ana Vrščaj</b> ( <i>Slovenia</i> )
<b>19.00</b>	Conference dinner

### Day 3: FRIDAY June 6<sup>th</sup> 2025

<b>8.30 – 10.00</b>	<b>Workshop 2: Extracting pharmacogenetic information from NGS data</b>
<b>8.30 – 9.00</b>	PharmGenHUB Project: Population pharmacogenomics in the Western Balkan – <b>Branka Zukić</b> ( <i>Serbia</i> )
<b>9.00 – 9.20</b>	Bioinformatics tools in pharmacogenomics research – <b>Nikola Kotur</b> ( <i>Serbia</i> )
<b>9.20 – 9.40</b>	From BAM to haplotype: using Stargazer for pharmacogenomic data analysis – <b>Marina Jelovac</b> ( <i>Serbia</i> )
<b>9.40 – 10.00</b>	Interpretation of NGS Results: Analysis of Pharmacogenomic Variants – <b>Vladimir Gasic</b> ( <i>Serbia</i> )
<b>10.00 – 11.00</b>	Coffee break and poster viewing
<b>11.00 – 12.30</b>	<b>Session 9: Clinical Implementation of Pharmacogenetics II</b>
<b>11.00 – 11.30</b>	Clinical implementation of pharmacogenetics for routine drug prescription: what are the unmet needs – <b>Ron van Schaik</b> ( <i>The Netherlands</i> )



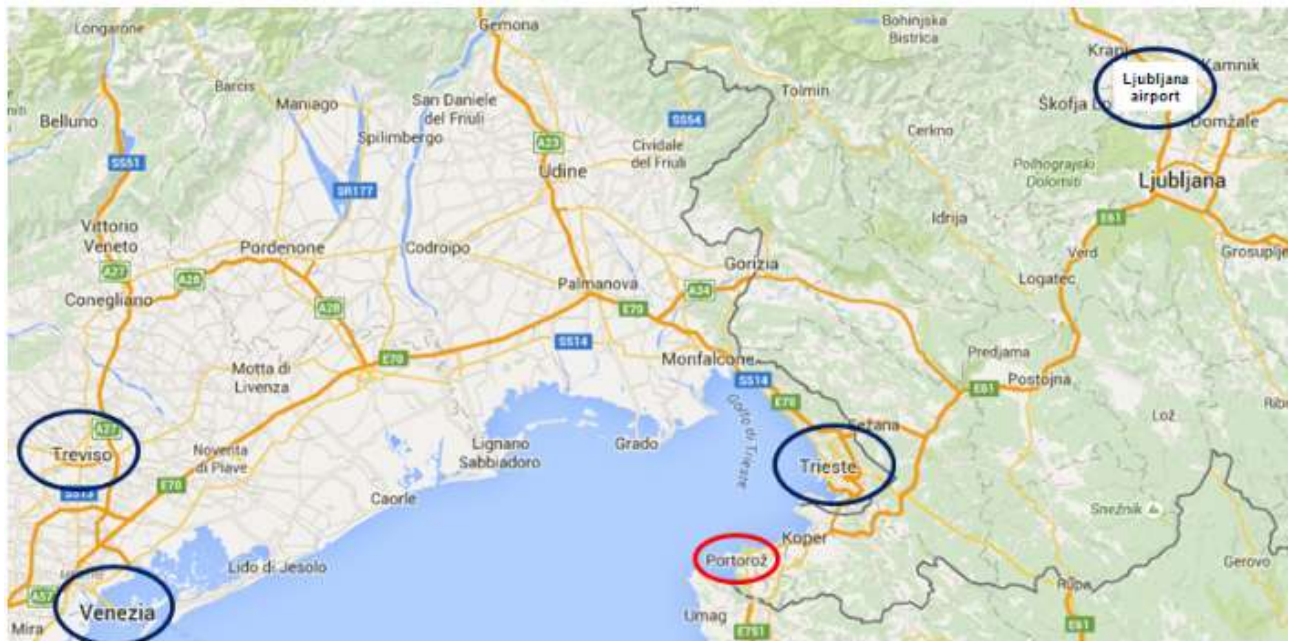
<b>11.30 – 12.00</b>	Implementation of pharmacogenetics in the clinical practice: from anti-cancer chemotherapy to tumor cells targeted agents – <b>Erika Cecchin</b> ( <i>Italy</i> )
<b>12.00 – 12.30</b>	Implementation of pharmacogenomics testing: lessons learnt from the PREPARE study - <b>Vita Dolžan</b> ( <i>Slovenia</i> )
<b>12.30 – 14.00</b>	Lunch
<b>14.00 – 15.15</b>	<b>Session 9: Clinical Implementation of Pharmacogenetics - Discussion Forum</b>
<b>15.15 – 16.00</b>	Coffee break
<b>16.00 – 17.00</b>	<b>Session 10: Closing lectures</b>
<b>16.00 – 16.30</b>	Ongoing challenges in implementing pharmacogenomics in the clinic – <b>Ann K Daly</b> ( <i>UK</i> )
<b>16.30 - 17.00</b>	Pharmacogenomics, clinical application today and in the future – <b>Magnus Ingelman-Sundberg</b> ( <i>Sweden</i> )
<b>18.00</b>	A guided tour of Piran
<b>19.30</b>	Farewell dinner in Piran



## Travel

### Nearby airports

- [Jože Pučnik Airport, Ljubljana, Slovenia](#) (distance: 140 km)
- [Trieste, Italy](#) (distance: 80 km)
- [Venice, Italy](#) (distance: 190 km)
- [Treviso, Venice, Italy](#) (distance: 190 km)



### Airport transfers

Participants can book their airport transfers via:

- the Sun-tours agency using the [transfer form](#).
- on-line with [GoOpti](#). The participants will receive 7% discount using the code ESHG25 (the code has to be entered during the booking process, before payment).

## Accommodation

Special offer for accommodation is available to the participants of the course in Hotel Histron, where the lectures will take place. Special prices for participants are available in the nearby hotels as well: Grand Hotel Bernardin and Hotel Vile Park Premium. For more information, please see below.

Participants should organize their own travel and hotel accommodation.

Reservations can be made via [ESHG Course 2025 - accommodation](#).

### Hotel Histron 4\*



<b>Service:</b> Bed & Breakfast	
<b>Rates per day</b>	<b>Per room</b>
Double room single use	162 €
Double room double use	182 €

### Grand Hotel Bernardin 5\*



<b>Service:</b> Bed & Breakfast	
<b>Rates per day</b>	<b>Per room</b>
Double room single use	172 €
Double room double use	192 €

### Vile Park Premium 3\*



<b>Service:</b> Bed & Breakfast	
<b>Rates per day</b>	<b>Per room</b>
Double room single use	132 €
Double room double use	142 €

Supplement

Tourist tax : 2,50 € / person / night; Admission fee: 2,50 € / person