



ESHG Pharmacogenomics Course

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

Hotel Histrio
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.

International scientific committee:

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, Tanja Blagus, Teja Muha, David Vogrinc

Organizational Support:



<https://www.antana-pco.com/>
info@antana-pco.com

Venue:

The course will take place at the Hotel Histrio, 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 pgxlbulmf@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 → **extended to May 10, 2025**

April 25, 2025 - ESHG Fellowship application deadline

April 30, 2025 - Abstract submission deadline → **extended to May 10, 2025**

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.

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.

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 4th 2025

08.00 – 08.30	Registration
08.30 – 10.15	Session 1: Introduction to Pharmacogenetics
10.15 – 11.00	Coffee break
11.00 – 12.30	Session 2: Pharmacogenomics of Adverse Drug Reactions
12.30 – 14.00	Lunch
14.00 – 15.30	Session 3: Cancer Pharmacogenomics
15.30 – 16.30	Coffee break and poster viewing
16.30 – 18.30	Session 4: Clinical Topics in Pharmacogenomics I
19.00 –	Welcome reception

Day 2: THURSDAY June 5th 2025

08.30 – 10.30	Session 5: Clinical Topics in Pharmacogenomics II
10.30 – 11.00	Coffee break
11.00 – 12.30	Session 6: Clinical Implementation of Pharmacogenetics I
12.30 – 14.00	Lunch
14.00 – 15.30	Workshop 1: Pharmacogenomics Resources
15.30 – 16.30	Coffee break and poster viewing
16.30 – 18.30	Session 7: Novel Biomarkers of Treatment Response
19.00	Conference dinner

Day 3: FRIDAY June 6th 2025

08.30 – 10.00	Workshop 2: Extracting Pharmacogenomic Information from NGS Data
10.00 – 11.00	Coffee break and poster viewing
11.00 – 12.30	Session 8: Clinical Implementation of Pharmacogenetics II
12.30 – 14.00	Lunch
14.00 – 15.15	Session 9: Clinical Implementation of Pharmacogenetics – Discussion Forum
15.15 – 16.00	Coffee break
16.00 – 17.00	Session 10: Closing Lectures
18.00	A guided tour of Piran
19.30	Farewell dinner in Piran

DETAILED PROGRAMME

Day 1: WEDNESDAY June 4th 2025

08.00 – 08.30	Registration
08.30 – 10.15	Session 1: Introduction to Pharmacogenetics
08.30 – 08.45	Course Welcome: Vita Dolžan (<i>Slovenia</i>)
08.45 – 09.30	Opening lecture: Pharmacogenomics, validation of the genetic background – Magnus Ingelman-Sundberg (<i>Sweden</i>)
09.30 – 10.15	Pharmacogenomics of drug transporters – Mikko Niemi (<i>Finland</i>)
10.15 – 11.00	Coffee break
11.00 – 12.30	Session 2: Pharmacogenomics of Adverse Drug Reactions
11.00 – 11.30	Pharmacogenomics of Adverse Drug Reactions – Julia C. Stingl (<i>Germany</i>)
11.30 – 12.00	Pharmacogenomics of Drug-Induced Liver Injury – Ann K Daly (<i>UK</i>)
12.00 – 12.30	Pharmacogenomics in prediction of cardiovascular drugs adverse reaction –PgxCARDIODrug – Lana Ganoci (<i>Croatia</i>)
12.30 – 14.00	Lunch
14.00 – 15.30	Session 3: Cancer Pharmacogenomics
14.00 – 14.30	Pharmacogenomics in cancer treatment – Cristina Rodriguez-Antona (<i>Spain</i>)
14.30 – 15.00	The use of pharmacogenetics to personalize anti-cancer treatment: state of the art and future directions – Erika Cecchin (<i>Italy</i>)
15.00 – 15.15	Pharmacogenomics of thiopurine drugs in pediatric acute lymphoblastic leukemia: towards personalized therapy in Serbia? – Branka Zukić (<i>Serbia</i>)
15.15 – 15.30	Thiopurine pharmacogenomics and TDM in Slovenia – Alenka Šmid (<i>Slovenia</i>)
15.30 – 16.30	Coffee break and poster viewing
16.30 – 18.30	Session 4: Clinical Topics in Pharmacogenomics I
16.30 – 17.00	Pharmacogenomics in Psychiatry – Adrian Llerena (<i>Spain</i>)
17.00 – 17.30	Implementation of a pharmacogenomic testing strategy in primary care – John McDermott (<i>UK</i>)
17.30 – 18.30	Short presentations / Case presentations – to be selected from abstracts
19.00 –	Welcome reception

Day 2: THURSDAY June 5th 2025

08.30 – 10.30	Session 5: Clinical Topics in Pharmacogenomics II
08.30 – 09.00	Pharmacogenomics and polypharmacy in the elderly – Julia C. Stingl (Germany)
09.00 – 09.30	Pharmacogenetics in treatment of cardiovascular diseases (- is it cost effective?) – Ron van Schaik (The Netherlands)
09.30 – 10.00	Pharmacogenetics lessons from clinical genetics – Bill Newman (UK)
10.00 – 10.30	Point of care testing in pharmacogenomics – John McDermott (UK)
10.30 – 11.00	Coffee break
11.00 – 12.30	Session 6: Clinical Implementation of Pharmacogenetics I
11.00 – 11.30	Clinical implementation of pharmacogenetics - Finnish experience – Mikko Niemi (Finland)
11.30 – 12.00	Creation of a national pharmacogenomics program – Bill Newman (UK)
12.00 – 12.30	Clinical implementation of pharmacogenetic testing in Spain – Adrian Llerena (Spain)
12.30 – 14.00	Lunch
14.00 – 15.30	Workshop 1: Pharmacogenomics Resources
14.00 – 14.30	Bioinformatics tools in pharmacogenomics research – David Vogrinc, Katja Goričar (Slovenia)
14.30 – 15.00	Pharmacogenes in focus: PharmGKB – Vita Dolžan, Katja Goričar (Slovenia)
15.00 – 15.30	Educational resources in pharmacogenetics – Vita Dolžan (Slovenia)
15.30 – 16.30	Coffee break and poster viewing
16.30 – 18.30	Session 7: Novel Biomarkers of Treatment Response
16.30 – 17.00	Genomic diversity and predictive biomarkers in renal cancer – Cristina Rodriguez-Antona (Spain)
17.00 – 17.30	Pharmacogenomic and epigenomic biomarkers in radiotherapy – Katja Goričar (Slovenia)
17.30 – 17.50	Uncovering Treatment-Responsive Immune Pathways in Multisystem inflammatory syndrome in children (MIS-C) Through Single-Cell Multiomics – Barbara Jenko Bizjan (Slovenia)
17.50 – 18.10	Epigenetic biomarkers of nusinersen treatment in children with SMA – Jernej Kovač (Slovenia)
18.10 – 18.30	miRNA Biomarkers in Osteoporosis: A Pharmacoeepigenetic View of Teriparatide Response – Lucija Ana Vrščaj (Slovenia)
19.00	Conference dinner

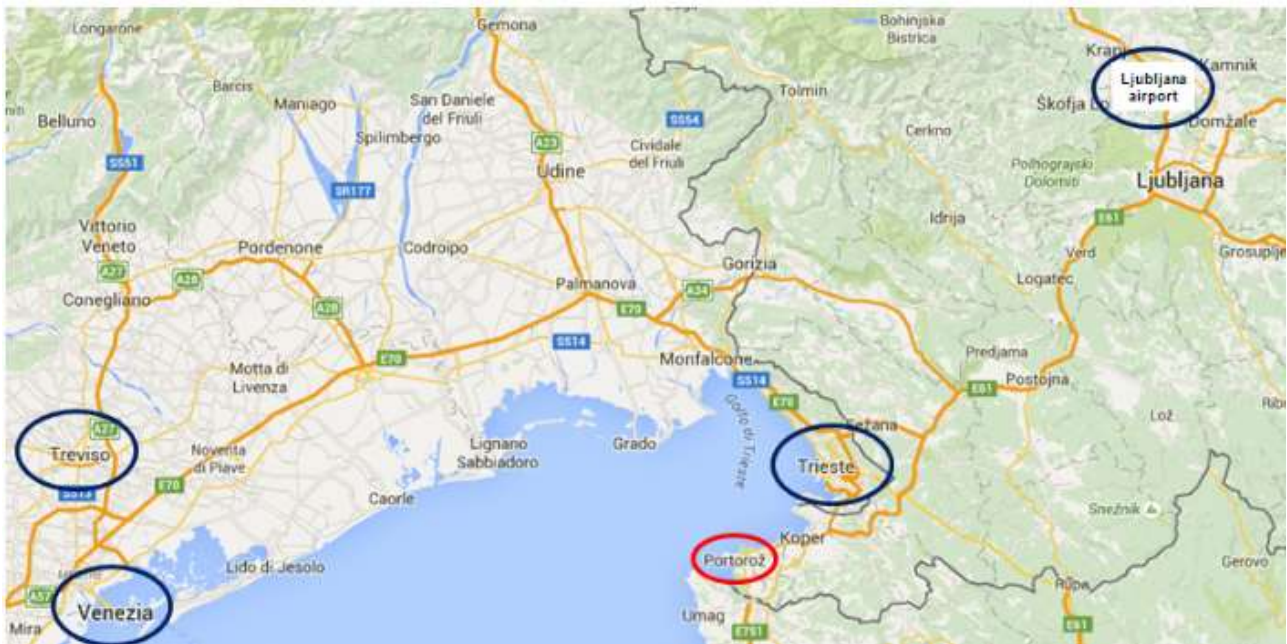
Day 3: FRIDAY June 6th 2025

8.30 – 10.00	Workshop 2: Extracting Pharmacogenetic Information from NGS Data
8.30 – 9.00	PharmGenHUB Project: Population pharmacogenomics in the Western Balkan – Branka Zukić (Serbia)
9.00 – 9.20	Bioinformatics tools in pharmacogenomics research – Nikola Kotur (Serbia)
9.20 – 9.40	From BAM to haplotype: using Stargazer for pharmacogenomic data analysis – Marina Jelovac (Serbia)
9.40 – 10.00	Interpretation of NGS Results: analysis of pharmacogenomic variants – Vladimir Gašić (Serbia)
10.00 – 11.00	Coffee break and poster viewing
11.00 – 12.30	Session 9: Clinical Implementation of Pharmacogenetics II
11.00 – 11.30	Clinical implementation of pharmacogenetics for routine drug prescription: what are the unmet needs – Ron van Schaik (The Netherlands)
11.30 – 12.00	Implementation of pharmacogenetics in the clinical practice: from anti-cancer chemotherapy to tumor cells targeted agents – Erika Cecchin (Italy)
12.00 – 12.30	Implementation of pharmacogenomics testing: lessons learnt from the PREPARE study – Vita Dolžan (Slovenia)
12.30 – 14.00	Lunch
14.00 – 15.15	Session 9: Clinical Implementation of Pharmacogenetics – Discussion Forum
15.15 – 16.00	Coffee break
16.00 – 17.00	Session 10: Closing Lectures
16.00 – 16.30	Ongoing challenges in implementing pharmacogenomics in the clinic – Ann K Daly (UK)
16.30 – 17.00	Pharmacogenomics, clinical application today and in the future – Magnus Ingelman-Sundberg (Sweden)
18.00	A guided tour of Piran
19.30	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 Histrion, 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 Histrion 4*



Service: Bed & Breakfast

Rates per day	Per room
Double room single use	162 €
Double room double use	182 €

Grand Hotel Bernardin 5*



Service: Bed & Breakfast

Rates per day	Per room
Double room single use	172 €
Double room double use	192 €

Vile Park Premium 3*



Service: Bed & Breakfast

Rates per day	Per room
Double room single use	132 €
Double room double use	142 €

Supplement

Tourist tax: 2.50 € / person / night; Admission fee: 2.50 € / person