

preliminary programme



8th ESPT CONGRESS

5-8 NOVEMBER 2025

Rotterdam



ESPT

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

Under the auspices of



EFLM
EUROPEAN FEDERATION OF CLINICAL CHEMISTRY
AND LABORATORY MEDICINE



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Mikko Niemi (FI)
Erika Cecchin (IT)
Tiffany Morris (GB)

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CONGRESS VENUE

DE DOELEN - Inspiring location

With over 30 rooms, de Doelen is a popular location for high-profile international events and conferences. Enriching and inspiring people by bringing them together in a hospitable environment to knowledge is one of de Doelen's spearheads. Nationally and internationally, de Doelen wants to fulfil a mobilising, inspiring and facilitating pivotal role as a conference centre.

Address: Schouwburgplein 50, 3012 CL Rotterdam
30 minutes by train from Schiphol Airport



WELCOME LETTER



Prof. Dr. Ron van Schaik
Chair Local Organization Committee



Prof. Dr. Mikko Niemi
ESPT President

Dear colleagues,

the 8th International Congress of the European Society for Pharmacogenomics and Personalised Therapy (**#ESPT2025**) is upcoming! It will be held from Wednesday November 5th to Saturday November 8th 2025 in the exciting city of Rotterdam, The Netherlands! The congress will be held in at "De Doelen", a congress venue located just opposite of the Central Train Station and only 30 minutes away by train from Schiphol Airport.

#ESPT2025 will again bring together leading international scientists, healthcare professionals, pharmacists, laboratory specialists, clinicians, students, GPs, regulators and industry representatives to exchange the latest knowledge on Pharmacogenomics and Personalised Therapy during this great 4-day event. This 8th congress follows successful events in the previous years (Copenhagen 2023, Belgrade 2021, Seville 2019, Catania 2017, Budapest 2015, Lisbon 2013, Bled 2011).

You may want to get a flavor of the 2023 event at www.esptcongress.org past events.

The congress will consist of no less than 40 world class plenary speakers, addressing current aspects and future directions on Pharmacogenomics and Personalised Medicine, and includes Clinical Implementation, Psychiatry, Oncology, Liquid Biopsy, Cardiology, Diabetes, Solid Organ Transplantation, Pediatrics, Regulatory Aspects, Genotyping Technologies, Decision Support Tools and National Society Initiatives. There will be poster sessions, break out symposia, industry workshops and a Discussion Forum on Saturday morning to discuss the way forward.

The **#ESPT2025** congress will provide the opportunity for all stakeholders in the pharmacogenetics and pharmacogenomics field to share their experiences in basic, clinical and translational aspects. And will allow to catch up with many colleagues working in this field! Young researchers are especially invited to join us in Rotterdam to share and discuss their input with the attendees in the poster sessions or present their work in one of the oral sessions.

See you all in Rotterdam!

ABSTRACTS SUBMISSION

Deadline July 31st, 2025

GENERAL REQUIREMENTS

The text should be clear, concise, and written in proper English. The content must contain relevant and new information. Significant technical information must not be withheld. Abstracts should contain results.

STRUCTURE OF THE ABSTRACT

Abstracts should be structured and should include:

- Authors' names and affiliations
- Title
- Background / Aims
- Methods
- Results
- Conclusions

Abstracts are limited to **2500** characters, spaces included (title, authors' names and affiliations excluded).

TOPICS

Cardiology
Clinical Implementation
Decision Support Tools
Diabetes
Genotyping technology
Liquid Biopsy
National Society Initiatives
Oncology
Pediatrics
Psychiatry
Regulatory aspect
Solid organ transplantation

GENERAL INFORMATION

Confirmation of receipt of the abstract will be acknowledged by e-mail immediately after submission.

Abstracts submitted **before May 31st** will receive notification of acceptance or rejection before end of the Early Bird Registration deadline, being **June 15th**.

For abstracts submitted **between May 31st and July 31st**, authors will be notified of acceptance or rejection within **August 15th**.

Authors of abstracts that are selected for 10 minutes **oral presentation** will be notified before October 1st.

REGISTRATION FEES

The Registration Fee includes:

Entrance to the Scientific Sessions, Possibility to submit abstracts, Posters viewing, Access to the exhibition area, Certificate of attendance, Opening Ceremony, Coffee breaks and Lunches at the venue.

SATELLITE SYMPOSIA: on November 5th, two mini-symposia will take place in parallel, from 09.00 to 11.00 am. NVKC/CMBD and APOTHEKERS/HUISARTSEN. The language will be Dutch only. See all details in the registrations page on the website.

*Note: Registration in the STUDENT category is only open to people able to provide a valid official certificate. To validate this, documentary proof of this status must be provided to the e-mail: registrations@esptcongress.org

	EARLY BIRD FEES (before June 15 th)	ADVANCE FEES (June 15 th - Oct 1 st)	LATE FEES (after Oct 1 st)
ESPT Member	€ 490	€ 540	€ 590
ESPT Non-Member	€ 590	€ 640	€ 690
Student Member	€ 245	€ 270	€ 290
Student Non-Member	€ 295	€ 320	€ 345

One Day Tickets will be available at € 275.

Official Language

All lectures will be held in **English**.

Badges

All registered participants, speakers and exhibitors will be given a badge, which they must mandatorily wear within the congress areas all days long.

Wi-Fi Connection

Wi-Fi connection will be available in the whole congress venue.

Certificate of Attendance

Certificates of attendance will be sent by e-mail to all registered attendees after the congress.

Lunch and coffee break

Lunches and coffee breaks will be served at the venue, in the Auditorium Foyer only.

Opening Ceremony

(included in the registration fee)

The Opening Ceremony will be held at the Town Hall.

Congress Dinner

(not included in the registration fee)

The Social Dinner will be held in a stunning location on

Thursday, November 6th

Tickets can be purchased during on-line registration: € 90 per person.

From 07.30 REGISTRATIONS OPEN

09:00 - 11:00 **Zaal 3 - ESPT Executive Board meeting** – Closed Meeting

09:00 - 12:30 **Zaal 4 - NVKC / CMBD Symposium** (in Dutch)

09:00 - 12:30 **Willem Burger Zaal - NL Apothekers/Huisartsen Symposium** (in Dutch)

Willem Burger Zaal - Plenary:

13:00 Welcome - *Ron van Schaik* - Local Organizer

13:05 Opening - *Mikko Niemi* - ESPT President

13:15 Welcome - *Stefan Sleijfer* - Dean Erasmus MC – University Medical Center Rotterdam

13:30 - 15:10 SESSION 01: CLINICAL IMPLEMENTATION

Willem Burger Zaal

Chairs: Ron van Schaik & Jesse Swen

13:30 Implementation of PGx in the UK: a perspective - *Sir Munir Pirmohamed* (Keynote Lecture)

13:55 Large scale Pharmacogenomics and Genomics England - *Matt Brown*

14:20 Implementation of PGx in The Netherlands: beyond PREPARE - *Jesse Swen*

14:45 Universal clinical implementation of PGx in Spain: results of pilot study in public healthcare - *Adrian Llerena*

15:10 - 15:40 TEA & COFFEE BREAK and POSTERS VIEWING

15:40 - 17:30 SESSION 02: PSYCHIATRY

Willem Burger Zaal

Chairs: Adrian Llerena & Birgit Koch

15:40 Complementary use of PGx and TDM in antidepressive treatment - *Espen Molden*

16:05 Integration of PGx in psychiatry: experiences from Canada - *Daniel Mueller*

16:30 Genome-guided therapeutics in psychiatry: results from the PREPARE study and beyond - *George Patrinos*

16:55 The Dutch P4CARE PGx implementation study for primary care - *Jesse Swen & Ron van Schaik*

17:20 Selected abstract

17:30 END of the day

From 18:00 OPENING RECEPTION at CITY HALL

From 07.30 REGISTRATIONS OPEN

08:00 - 08:45 Willem Burger Zaal - Corporate Workshop

Agena Bioscience & Platomics

Title: Towards clinical guideline and IVDR compliant pharmacogenetic testing. Implementing pharmacogenetic panel solutions for enhanced outcomes and regulatory adherence

08:00 - 08:45 Zaal 3 - Mini Symposium

Finnish Society of Clinical Pharmacology

Title: Clinical implementation of PGx in Finland - *Chair: Mikko Niemi*

08:00 Attained value and untapped potential of pharmacogenetic panel testing in Finland - *Kaisa Litonius*

08:15 Perceptions of the general public and health care professionals on pharmacogenetic testing - *Noora Kulla*

08:30 Implementing *DPYD* genotyping in Finland: impact on fluoropyrimidine exposure and safety - *Antti Hosio*

08:00 - 08:45 Zaal 4 - Mini Symposium

Francophone Network of PGx (RNPGx)

Title: Using pan-genomic data in PGx - *Chair: Nicolas Picard*

08:00 WES and PGx: technical challenges and clinical opportunities - *Laure Raymond*

08:20 Organizational and regulatory aspects - *Louis Lebreton*

09:00 - 10:40 SESSION 03: PEDIATRICS

Willem Burger Zaal

Chairs: Marieke Coenen & Mikko Niemi

09:00 Optimal busulfan exposure enhances hematopoietic stem cells transplantation outcomes in high-risk pediatric ALL - *Marc Ansari*

09:25 Genotype-guided asthma treatment reduces exacerbations in children – *Anke-Hilse Maitland-van der Zee*

09:50 Reducing aminoglycoside ototoxicity through MT-RNR1 testing - *William Newman*

10:15 Pharmacogenomics of anti-TNF drugs in pediatric inflammatory bowel disease. From research to clinical implementation? - *Luis Andrés López-Fernández*

10:40 - 11:10 TEA & COFFEE BREAK and POSTERS VIEWING

11:10 - 13:00 **SESSION 04: ONCOLOGY**

Willem Burger Zaal

Chairs: Ron Mathijssen & Erika Cecchin Clinical benefit and utility of

11:10 *DPYD* and *UGT1A1* testing in gastrointestinal cancer: beyond single-gene targeted genotyping - *Erika Cecchin*

11:35 *CYP2D6* and tamoxifen: current status - *Matthias Schwab*

12:00 US FDA and guidelines perspectives on *DPYD* testing - *Daniel Hertz*

12:25 New developments in Precision Oncology - *Scott Chandler*

12:50 Selected abstract

13:00 - 14:00 **WORKING LUNCH / POSTERS VIEWING / BOOTHS VISITS**

14:00 - 15:50 **SESSION 05: CARDIOVASCULAR**

Willem Burger Zaal

Chairs: Mikko Niemi & Mia Wadelius

14:00 Genetics and Precision Medicine in diabetes care - *Ewan Pearson*

14:25 Pharmacogenetics of statins - *Mikko Niemi*

14:50 *CYP2C19* genotyping in patients undergoing percutaneous coronary intervention - *Jur ten Berg*

15:15 *CYP2C19* and clopidogrel in ischemic stroke: current status - *Bob Roozenbeek*

15:40 Selected abstract

15:50 - 16:20 **TEA & COFFEE BREAK and POSTERS VIEWING**

16:20 - 17:45 **SESSION 06: SOLID ORGAN TRANSPLANTATION**

Willem Burger Zaal

Chairs: Teun van Gelder & Nicolas Picard

16:20 Pharmacogenetics in solid organ transplantation: ready for implementation? - *Teun van Gelder*

16:45 Crosstalk between gut microbiome and immunosuppressive drugs in kidney transplantation - *Laure Elens*

17:10 Pharmacogenetics in kidney transplantation: from targeted analysis of immunosuppressants to the pharmacogenetic passport - *Nicolas Picard*

17:35 Selected abstract

17:45 END of the day

18.00 - 19.00 **ESPT GENERAL ASSEMBLY - Closed Meeting**

20.00 **SOCIAL DINNER**

Location: **EUROMAST**

Tickets must be purchased in addition to the registration fee

From 07.30 REGISTRATIONS OPEN

08:00 - 08:45 Willem Burger Zaal - Corporate Workshop
Illumina

08:00 - 08:45 Zaal 3 - Mini Symposium
Spanish Society of Pharmacogenetics and Pharmacogenomics (SEFF)
Title: Implementation of pharmacogenetics in Spain
Chair: *Cristina Rodríguez-Antona*

08:00 Implementation of the Pharmacogenetic testing catalog of the National Healthcare System - *Xandra García-Gonzalez*

08:20 SEFF pharmacogenetics guidelines - *Juliana Salazar*

08:00 - 08:45 Zaal 4 - Mini Symposium
Italian Society of Pharmacology (SIF)
Chair: *Erika Cecchin*

08:00 Personalized psychiatry: pharmacogenetic insights - *Alessio Squassina*

08:15 Integrating pharmacogenetics, drug monitoring and pharmaco-vigilance for optimized and safer oral anticancer treatment - *Rossana Roncato*

08:30 Pharmacogenomics for children: mechanistic insights from studies on extracellular vesicles - *Gabriele Stocco*

09:00 - 10:40 SESSION 07: GLOBAL INITIATIVES
Willem Burger Zaal
Chairs: *Ann Daly & Sanja Stankovic*

09:00 PGRN Lecture: fostering global awareness of pharmacogenomics - *Erica Woodahl* (PERN President - Keynote Lecture)

09:25 Long read sequencing and return of results to biobank participants - *Lili Milani*

09:50 Bridging the Gap: understanding missing heritability in pharmacogenomics - *Magnus Ingelman-Sundberg*

10:15 Pharmacogenomic diversity in Latin American populations - *Guilherme Suarez-Kurtz*

10:40 - 11:10 TEA & COFFEE BREAK and POSTERS VIEWING

11:10 - 13:00 SESSION 08: LIQUID BIOPSY

Willem Burger Zaal

Chairs: Daan van den Broek & Cristina Rodríguez-Antona

- 11:10 Liquid biopsy: current state of the art - *Klaus Pantel*
(Keynote Lecture)
- 11:35 Unraveling the biology of metastasis-competent circulating tumor cells:
insights into the metastatic cascade - *Catherine Alix Panabieres*
- 12:00 Implementation of ctDNA analysis: COIN initiative - *Daan van den Broek*
- 12:25 Integrating liquid biopsy with other -omics - *Marzia del Re*
- 12:50 Selected abstract

13:00 - 14:00 WORKING LUNCH / POSTERS VIEWING / BOOTHS VISITS

14:00 - 16:05 SESSION 09: POPULATION, TECHNICAL AND ETHICAL ASPECTS

Willem Burger Zaal

Chairs: Maja Matic & Ingolf Cascorbi

- 14:00 Genomic Medicine Sweden – implementing precision medicine at
national level - *Richard Rosenquist*
- 14:25 From complex to clear: long Oxford Nanopore reads in
pharmacogenomic research - *Speaker tba*
- 14:50 Unlocking clinical value in pharmacogenetic testing: real-life insights from
the lab - *Robert Akkers*
- 15:15 Association for Molecular Pathology's Recommendations for clinical
pharmacogenotyping allele selection - *Vicky Pratt*
- 15:40 Ethical aspects of PGx as secondary finding - *Martina Cornel*

16:05 - 16:35 TEA & COFFEE BREAK and POSTERS VIEWING

16:35 - 17:50 SESSION 10: DECISION SUPPORT TOOL & ECONOMICAL ASPECTS

Willem Burger Zaal

Chairs: Maaïke van der Lee & Vita Dolzan

- 16:35 Advancing personalized medication in primary care through digitalization
and pharmacogenetics - *Herna Muñoz-Galeano*
- 17:00 Economics of pharmacogenetic-guided treatments - *Dyfrig Hughes*
- 17:25 Cost effectiveness analysis: results of the PREPARE study in Europe -
Christina Mitropoulou

17:50 POSTER AWARDS

Mikko Niemi & Ron van Schaik

- 18:00 END of the day

From 09.00 REGISTRATIONS OPEN

09:30 - 10.00 Willem Burger Zaal

One test, a life-time of impact: pre-emptive PGx testing in pediatric care - *Steve J. Melnick and David Mancuso*

10:00 - 12:00 DISCUSSION FORUM - How to further implement PGx?
Willem Burger Zaal

TOPICS:

1. Clinical Implementation of Pharmacogenetics across Europe

Munir Pirmohamed (UK), Erika Cecchin (IT), Adrian Llerena (ES), Nicolas Picard (FR), Mikko Niemi (FI), Jesse Swen (NL), Mia Wadelius (SE), Lili Milani (EE), Steven Melnick (US)

2. Ethical and regulatory aspects

William Newman (UK), Martina Cornel (NL), Daniel Hertz (US), Jasmine Gratton (NL)

3. Industry view on PGx developments

Claire Bloor (Thermo Fisher), Vicky Pratt (Agena), Cerissa French (Oxford Nanopore), Gino Miele (Gene Drive), Tiffany Morris (Illumina), Daniel Langhoff (Eurofins Genomics)

4. Which are the needs on PGx research?

Magnus Ingelman-Sundberg (SE), Ingolf Cascorbi (DE), Cristina Rodriguez-Antona (ES), Erica Woodahl (US), Teun van Gelder (NL), Alexandra Becker (DE), EP Permed (tba)

12:00 END OF THE CONGRESS

Post Conference Lecture for the General Public

15:00 - 16:00 Studio 8 - Publiekslezing
Farmacogenetica: uw DNA paspoort voor medicatie! Ron van Schaik

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