



# ESPT

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

# ESPT 2017

FOURTH  
CONFERENCE

OCTOBER 4-5-6-7

CATANIA, ITALY, Monastero dei Benedettini

Pharmacogenomics  
and Personalised  
Medicine: research  
progress and clinical  
implementation

PRELIMINARY SCIENTIFIC PROGRAM



UNDER THE AUSPICES OF:



[www.2017esptcongress.eu](http://www.2017esptcongress.eu)

Evento ECM n. 3905-199011

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Pharmacogenomics and Personalised  
Medicine: research progress  
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## WELCOME LETTER

In this symposium progress and applications of pharmacogenomics in oncology, neurodegenerative disease, psychiatry, hemato-oncology, cardio-vascular drugs and diabetes will be addressed.

Also regulatory aspects, the use decision support tools and the application cell free DNA analysis as innovative biomarker to guide lung and/or prostate cancer therapy will be highlighted.

During the meeting, there will be discussion groups and poster presentations as well as the ESPT General assembly.

### CONFERENCE DIRECTORS:

*Filippo Drago (University of Catania, Italy)*

*Ron van Schaik (ESPT President, The Netherlands)*

Evento ECM n. 3905-199011

#### Destinatari:

- farmacista ospedaliero; farmacista territoriale;
- biologo;
- medico chirurgo; cardiologia; ematologia; genetica medica; malattie metaboliche diabetologia; medicina interna; neurologia; neuropsichiatria infantile; oncologia; psichiatria; biochimica clinica; farmacologia e tossicologia clinica.

Durata dell'Attività formativa: 24 ore

Crediti ECM assegnati: 25,5

WEDNESDAY, OCTOBER 4<sup>TH</sup>

09:00 Registration and welcome desk opening

### 10:15 OPENING CEREMONY

*Filippo Drago, Director (Italy) – Ron van Schaik, ESPT President (The Netherlands) – Paolo Marchetti, SIMeP President (Italy) – Thomas Griesbacher, EPHAR President (Germany) – Giorgio Cantelli Forti, SIF President (Italy)*

### 11:00 OPENING LECTURES

*Chairs: Filippo Drago (Italy) – Ron van Schaik (The Netherlands)*

11:00 Pharmacogenetics: seven decades of therapeutic lessons from human individuality – *Urs Meyer (Switzerland)*

11:30 Genetics of drug-induced liver injury – *Ann K. Daly (United Kingdom)*

### 12:00 PHARMACOGENOMICS OF NEUROPSYCHIATRIC DISORDERS

*Chair: Adrian Llerena (Spain)*

12:00 Identification of new pharmacological targets in motor disorders – *S. Cavallaro (Italy)*

12:30 Pharmacogenetics for depression – *Adrian Llerena (Spain)*

### 13:00 Cocktail lunch, posters and exhibition visit

### 14:00 PHARMACOGENOMICS OF CARDIOVASCULAR & ANTI-DIABETIC DRUGS

*Chairs: Vangelis Manolopoulos (Greece) – Ewan Pearson (United Kingdom)*

14:00 Pharmacogenetics for optimizing diabetes treatment – *Ewan Pearson (United Kingdom)*

14:30 Computational pathway analysis with applications to pharmacogenomics – *A. Ferro (Italy)*

15:00 Next Gen sequencing to guide cardiovascular disease – *Chiara Di Resta (Italy)*

15:30 Pharmacogenomics for cardiovascular drugs: what's old and what's new? What's used? What's not, and why? – *Vangelis Manolopoulos (Greece)*

### 16:00 Coffee break, poster and exhibition visit

### 16:30 ESPT RESEARCH GROUP PRESENTATIONS & DISCUSSION SESSIONS

*Chairs: Marc Ansari (Switzerland) – Lucia Gozzo (Italy)*

16:30 Pharmacogenetics for guiding immunosuppression in solid organ transplantation – *Laure Elens (Belgium)*

17:00 VEGF-A, a potential biomarker for systems medicine – *Sofia Siest (France)*

17:30 Pharmacogenetics and pain – *Maja Matic (The Netherlands)*

### 18:00 WELCOME RECEPTION

19:00 End of the Welcome reception

## THURSDAY, OCTOBER 5<sup>TH</sup>

### 09:00 SESSION SIMEP

*Chairs: Maurizio Simmaco (Italy) – Paolo Marchetti (Italy)*

- 09:00 Integrated precision medicine in clinical practice – **Paolo Marchetti (Italy)**  
09:30 Concomitant detection of chromosome 1p/19q codeletion, and IDH1, IDH2, and TERT mutation status by Mass Array approach in glioma – **Monica Miozzo (Italy)**  
10:00 Metabolomics in clinical practice – **Maurizio Simmaco (Italy)**  
10:30 Targeting the immune system – **Marianna Nuti (Italy)**

### 09:00 PAEDIATRIC INDIVIDUALIZED TREATMENT IN ONCOLOGY/HAEMATOLOGY (simultaneous session)

#### 11:00 Coffee break, poster and exhibition visit

### 11:30 PHARMACOGENOMICS IN ONCOLOGY

*Chairs: Marc Ansari (Switzerland) – Maja Krajinovic (Canada)*

- 11:30 Bone morbidity associated with treatment of childhood ALL – **Maja Krajinovic (Canada)**  
12:00 Pharmacogenetics of Tamoxifen: where do we stand? – **Matthias Schwab (Germany)**  
12:30 Effectivity DPYD genetic screening for start of therapy: results from the DPYD trial – **Linda Henricks (The Netherlands)**

#### 13:00 Cocktail lunch, posters and exhibition visit

### 14:00 INNOVATIVE NEW BIOMARKERS: CELL FREE DNA AS A NEW TOOL

*Chairs: Ron van Schaik (The Netherlands) – Romano Danesi (Italy)*

- 14:00 EGFR mutation detection in guiding lung cancer therapy – **Romano Danesi (Italy)**  
14:30 Exosomal AR-V7 for early detection of prostate cancer resistance – **Marzia del Re (Italy)**  
15:00 Using Next Gen sequencing for detecting mutations in cell free DNA – **Winand Dinjens (The Netherlands)**

#### 15:30 Coffee break, poster and exhibition visit

### 16:00 BEYOND PHARMACOGENETICS

*Chairs: Sanja Stankovic (Serbia) – Filippo Drago (Italy)*

- 16:00 Practical application of nutrigenomics – **Helen Gautschi (South Africa)**  
16:30 Metabolomics – **Carlos Malpica (USA)**

### 17:00 YOUNG INVESTIGATORS LECTURES

*Chairs: Urs Meyer (Switzerland) – Csilla Sipeky (Finland)*

- 17:00 Selected poster presentation 1  
17:15 Selected poster presentation 2  
17:30 Selected poster presentation 3

### 17:45 POSTER AWARD

## FRIDAY, OCTOBER 6<sup>TH</sup>

### 09:00 PGX OF DRUG TRANSPORTERS AND METABOLIZING ENZYMES

*Chairs: Ingolf Cascorbi (Germany) – Magnus Ingelman Sundberg (Sweden)*

- 09:00 Analyzing CYP3A4 variant alleles: new SNPs and clinical implications – **Ingolf Cascorbi (Germany)**  
09:30 In depth analysis of CYP2D6 variants – **Charity Nofziger (Austria)**  
10:00 Sequencing rare variants: the next step in PGx – **Magnus Ingelman-Sundberg (Sweden)**  
10:30 MicroRNAs as pharmacogenomic biomarkers for drug safety – **JC. Kleinjans (The Netherlands)**

#### 11:00 Coffee break, poster and exhibition visit

### 11:30 CLINICAL IMPLEMENTATION OF PHARMACOGENOMICS

*Chairs: Guilherme Kurtz (Brazil) – Adrian Llerena (Spain)*

- 11:30 The European pharmacogenetics implementation consortium (Eu-PIC) – **Ron van Schaik (The Netherlands)**  
12:00 The IUPHAR pharmacogenetics committee: vision and actions – **Guilherme Kurtz (Brazil)**  
12:30 Solving the cis/trans SNP calling issue using PacBio DNA sequencing – **TBC**

#### 13:00 Cocktail lunch, posters and exhibition visit

### 14:00 PHARMACOGENETIC ANALYSIS & DECISION SUPPORT TOOLS: HOW TO MAKE PGX ANALYSIS ACTIONABLE?

*Chairs: Janja Marc (Slovenia) – Theodora Katsilla (Greece)*

- 14:00 Pharmacogenetic analyses: from single gene analysis to comprehensive testing – **Dominique de Wolf (Belgium)**  
14:30 Implementing pre-emptive pharmacogenetic screening into clinical routine – **Jari Forsstrom (Finland)**  
15:00 What is needed to implement genetic information for clinical use? – **Daniella Steinberger (Germany)**  
15:30 Methodological approach for decision making in genomic medicine – **Theodora Katsila (Greece)**

#### 16:00 Coffee break, poster and exhibition visit

### 16:30 ESPT GENERAL ASSEMBLY

18:00 End of the ESPT General Assembly

### 19:30 ESPT DINNER

SATURDAY, OCTOBER 7<sup>TH</sup>

**09:00 PHARMACOGENOMICS CLINICAL APPLICATIONS**

*Chairs: Maurizio Simmaco (Italy) – Markus Paulmichl (Austria)*

- 09:00 Pharmacogenetic testing in clinical applications: latest insights – **Munir Pirmohamed (United Kingdom)**
- 09:30 PGx and the European Medicines Agency: a regulatory perspective – **Markus Paulmichl (Austria)**
- 10:00 The joint EFLM-ESPT Working Group “Personalized Laboratory Medicine”: aims and activities – **Mario Pazzagli (Italy)**

**10:30 Coffee break, poster and exhibition visit**

**11:00 DISCUSSION PANEL – PHARMACOGENETICS: THE WAY AHEAD... HOW TO PROCEED FOR CLINICAL IMPLEMENTATION?**

*Chairs: Filippo Drago (Italy) – Ron van Schaik (The Netherlands) – Paolo Marchetti (Italy)*

*Panelists: Munir Pirmohamed – Markus Paulmichl – Urs Meyer –*

*Magnus Ingelman Sundberg – Ann Daly – Guillermo Kurz – Filippo Drago –*

*Ron van Schaik – Mario Pazzagli – Paolo Marquetti – Romano Danesi – Marc Ansari*

- 11:00 Discussion
- 11:45 HORIZON 2020: opportunities for new grant applications using pharmacogenetics

**12:15 CLOSING REMARKS**

*Filippo Drago, Director (Italy) – Ron van Schaik, ESPT President (The Netherlands) – Paolo Marchetti, SIMeP President (Italy)*

**12:30 End of the congress**

**CALL FOR ABSTRACTS**

Details and submission on [www.2017esptcongress.eu](http://www.2017esptcongress.eu)

Deadline: September 1<sup>st</sup>, 2017

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Pharmacogenomics and Personalised Medicine: research progress and clinical implementation

**REGISTRATION FORM**

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**REGISTRATION FEES**

**NON MEMBERS**  Early bird fee (until September, 10<sup>th</sup> 2017).....450€  
 Late registration (from September, 10<sup>th</sup> 2017).....600€

**ESPT MEMBERS**  Early bird fee (until September, 10<sup>th</sup> 2017).....400€  
 Late registration (from September, 10<sup>th</sup> 2017).....500€

**STUDENTS**  Early bird fee (until September, 10<sup>th</sup> 2017).....140€  
 Late registration (from September, 10<sup>th</sup> 2017).....190€

**GROUPS**  Discounted fee for a group of min. 8 people (contact: [brichier@comnco.com](mailto:brichier@comnco.com))

**Social program**  ESPT Dinner (Friday, October 6<sup>th</sup>).....50€

Registration fee includes participation to the whole congress, access to the welcome reception, lunches and coffee breaks.

**PAYMENT**

**By credit card (Visa / Mastercard / no other card)**, on protected payment Paybox online form, directly on the website [www.comnco.com](http://www.comnco.com). Please indicate your Name + ESPT 2017 in the part: “Additional details”.

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## CONGRESS VENUE

Monastero dei Benedettini  
di San Nicolò l'Arena  
Piazza Dante, 32 95124 - Catania, Italy  
Tel.: +39 095 710 27 67  
+39 334 924 24 64  
[www.monasterodeibenedettini.it](http://www.monasterodeibenedettini.it)



ORGANIZATION & INFORMATION: Com&Co, Benjamin Richier



15, Bd Grawitz - 13016 Marseille, France - [brichier@comnco.com](mailto:brichier@comnco.com)

Tel.: (0)7 77 91 00 65 - Fax: +33 (0)4 96 15 33 08 - [www.comnco.com](http://www.comnco.com)

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