5th ESPT CONGRESS
PRECISION MEDICINE AND PERSONALISED HEALTH
SEVILLE, SPAIN 2019
October 16-18

European Society for Pharmacogenomics and Personalised Therapy

In collaboration with the Spanish Society of Pharmacogenetics and Pharmacogenomics (SEFF)

www.2019esptcongress.eu
WELCOME

The 5th International Congress of the European Society for Pharmacogenomics and Personalised Therapy (ESPT 2019) will be held from Wednesday October 16 to Friday October 18 in Seville, Spain. The ESPT 2019 congress will again bring together leading international scientists and healthcare professionals who are actively working in the fields of Pharmacogenomics and Personalised Therapy. After successful events in the previous years (Catania 2017, Budapest 2015, Lisbon 2013, Bled 2011), we are very happy to have our 2019 meeting in Spain, in collaboration with the Spanish Society for Pharmacogenetics and Pharmacogenomics (SEFF). The theme of the ESPT 2019 congress is Precision Medicine and Personalised Health.

The congress will consist of world class plenary speakers, addressing current aspects and future directions on pharmacogenomics and personalised medicine. Keynote speakers include a.o. Prof. Dr. Sir Munir Pirmohamed, Prof. Dr. Ingolf Cascorbi, Dr. Lili Milani, Prof. Dr. Wolfgang Sadee, Prof. Dr. Daniel Mueller, Prof. Dr. Mike Caulfield, and Prof. Dr. Klaus Pantel.

The congress will provide the opportunity for researchers and clinicians to come together and share their research and experiences in basic, clinical and translational fields. There will be a special emphasis on clinical implementation of pharmacogenetics, following the recent Spanish and Estonian initiatives in this direction. Young researchers and clinicians are especially invited to join us in Seville, and share and discuss their input with the attendees.

Consider submitting your work as an abstract and please join us to expand our knowledge and network and make new friends.

See you in Seville in 2019!

Prof. Dr. Miquel Taron – President SEFF
Dr. Cristina Rodríguez-Antona – Secretary SEFF
Prof. Dr. Adrián Llerena – Vicepresident SEFF, Board ESPT
Prof. Dr. Ron van Schaik – President ESPT
ORGANIZING COMMITTEE

Miquel Taron
(University of Seville, President SEFF)

Cristina Rodriguez-Antona
(CNIO, Madrid)

Adrián Llerena
(University of Extremadura, Badajoz)

Ron van Schaik
(Erasmus MC Rotterdam, President ESPT)

ORGANISING SECRETARIAT

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ESPT EXECUTIVE OFFICE

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office@esptnet.eu
www.esptnet.eu
CONFIRMED SPEAKERS

Alonso Sanchez Angel, Biomedical Research Center of Navarre, Pamplona, Spain
Ansari Marc, University of Geneva, Switzerland
Brunet Mercè, Hospital Clínic of Barcelona, Spain
Carracedo Álvarez Angel Maria, University of Santiago de Compostela, Spain
Cascorbi Ingolf, University of Kiel, Germany
Caulfield Mark, William Harvey Heart Centre, University of London, UK
Daly Ann K., Newcastle University, UK
Danesi Romano, University of Pisa, Italy
del Re Marzia, University Hospital of Pisa, Italy
Dopazo Joaquin, Clinical Bioinformatics Area, FPS, Hospital Virgen del Rocio, Seville, Spain
Gurwitz David, Tel Aviv University, Israel
Henricks Linda M., Leiden University Medical Centre, The Netherlands
Hachad Houda, Bellevue, WA, United States
Huezo-Díaz Patricia, University of Geneva, Switzerland
Ingelman-Sundberg Magnus, Karolinska Institutet, Stockholm, Sweden
Kasper Dagmar, Hamburg, Germany
Lamy Pierre-Jean, Montepellier, France
Lianidou Evi, University of Athens, Greece
Llerena Adrián, University of Extremadura, Badajoz, Spain
Lloberas Nuria, Bellvitge Biomedical Research Institute of Barcelona, Spain
Manolopoulos Vangelis, University of Thrace, Alexandroupolis, Greece
Milani Lili, University of Tartu, Estonia
Mueller Daniel, Centre for Addiction and Mental Health of Toronto, Canada
Niemi Mikko, University of Helsinki, Finland
Nofziger Charity, PharmGenetix Gmbh, Salzburg, Austria
Oellerich Michael, University of Göttingen, Germany
Pantel Klaus, University Medical Center Hamburg-Eppendorf, Germany
Patrinos George, University of Patras, Greece
Paulmichl Markus, Humanomed Center Althofen, Austria
Pearson Ewan, University of Dundee, Scotland, UK
Pirmohamed Munir, University of Liverpool, UK
Rodríguez-Antona Cristina, National Centre for Oncological Research, Madrid Spain
Sabater Ana, Barcelona, Spain
Sadaki Wolfgang, The Ohio State University, Columbus, USA
Schwab Matthias, Institute of Clinical Pharmacology Stuttgart, Germany
Serrano María Jose, University of Granada-Junta de Andalucía Centre for Genomics and Oncological Research, Granada, Spain
Simmaco Maurizio, University La Sapienza, Rome, Italy
Sipeky Csilla, University of Turku, Finland
Suarez-Kurtz Guilherme, Brazilian National Cancer Institute, Brazil
Taron Miquel, Synlab, Madrid, Spain
van Schaik Ron, Erasmus MC, Rotterdam, The Netherlands
Vanoni Simone, Anif/Niederalm, Austria
SCIENTIFIC PROGRAMME

WEDNESDAY 16th October

08:30 Registration
09:30 Opening: Ron van Schaik (ESPT President) - Miquel Taron (SEFF President)

SESSION 1 - PHARMACOGENETICS OVERVIEW
Chairs: Ron van Schaik, Miquel Taron
10:00 Key note lecture - Pharmacogenetics of cutaneous adverse drug reactions - Sir Munir Pirmohamed
10:35 Key note lecture - Pharmacogenetics of drug induced liver injury - Ann Daly
11:10 Key note lecture - An initiative for early drug discovery with a pharmacogenomic perspective from Galicia - Angel Carracedo

11:45 Coffee Break

SESSION 2 - PSYCHIATRY
Chairs: Adrian Llerena, David Gurwitz
12:15 Towards the implementation of pharmacogenomics in psychiatry - Daniel Mueller
12:40 Genomic biomarkers for the efficacy of oxytocin in autism spectrum disorder - David Gurwitz
13:05 New Pharmacogenetics software gNomic and drug interactions - Ana Sabater

13:30 Lunch Break and Poster Visits

SESSION 3 - CYP2D6 GENOTYPING
Chairs: Magnus Ingelman-Sundberg, Urs Meyer
14:45 Unraveling CYP2D6 genotyping: the optimal strategy - Charity Nofziger
15:10 Functional characterization of known and unknown CYP2D6 variants using a cell-based in vitro system - Simone Vanoni

15:35 INDUSTRY SPONSORED SESSION AGENA BioSciences
Aspects of Molecular Analysis for Personalized Therapy - Dagmar Kasper
Liquid biopsy to personalize lung cancer treatment: overcoming the challenges - Pierre-Jean Lamy

16:15 Coffee Break

SESSION 4 - ONCOLOGY
Chairs: Cristina Rodriguez-Antona, Csilla Sipeky
16:45 Personalizing taxane treatment: from genetic variants to concomitant medication - Cristina Rodriguez-Antona
17:10 Update on DPYD testing for safer fluoropyrimidine therapy - Linda Henricks
17:35 PGx and tamoxifen breast cancer: an update - Matthias Schwab

18:00 OPENING RECEPTION
THURSDAY 17th October

SESSION 5 - LIQUID BIOPSY & CANCER
Chairs: Romano Danesi, Janja Marc
09:00 Key note lecture - Liquid biopsy: a new diagnostic concept in oncology - Klaus Pantel
09:45 EGFR and lung cancer - Romano Danesi
10:10 Circulating predictive biomarker of response to immunotherapy - Marzia del Re
10:35 Molecular characterization of Circulating Tumor Cells: an update on technologies and clinical potential - Evi Lianidou
11:00 Coffee Break

SESSION 6 - LIQUID BIOPSY & TRANSPLANTATION
Chairs: Mercè Brunet, Maurizio Simmaco
11:30 Graft-derived cell-free DNA as a marker for detection of rejection and graft injury after solid organ transplantation - Michael Oellerich
11:55 Pharmacogenetics for guiding solid organ transplantation therapy: the BAROTAC study - Nuria Lloberas
12:20 Using Therapeutic Drug Monitoring in optimizing tacrolimus-personalized therapy and patient care in solid organ transplantation: the IATDMCT Consensus Report - Mercè Brunet
12:45 Lunch Break and Poster Visits

SESSION 7 - BIOBANK INITIATIVES
Chairs: Vangelis Manolopoulos, Luis Lopez
14:00 The UK 100,000 Genomes Project: transforming health initiative - Mark Caulfield
14:25 Personalised Medicine based on common and rare genetic variants in Estonia - Lili Milani
14:50 INDUSTRY SPONSORED SESSION Thermo Fisher
15:30 Coffee Break

SESSION 8 - PGx GENES
Chairs: Ingolf Cascorbi, Anna Gonzalez-Neira
16:00 CYP3A genotyping - worth to consider it clinically? - Ingolf Cascorbi
16:25 The role of rare genetic variants for interindvidual differences in drug metabolism, toxicity and response - Magnus Ingelman-Sundberg
16:50 Interindvidual variability of CYP2D6, CYP3A4 and CYP7A1: underlying causes and clinical implications - Wolfgang Sadee
17:15 Implementing clinical pharmacogenetic programs: perspectives from a service provider - Houda Hachad
17:40 Refreshment break
18:00 ESPT GENERAL ASSEMBLY
21:00 CONGRESS DINNER
SESSION 9 - PGx INITIATIVES IN SPAIN  
Chairs: Maria Jesus Arranz, Salvador Aliño  
09:00 MedeA: A global Implementation initiative of Personalized Medicine in a Public Health Care Service based on e-health - Adrián Llerena  
09:30 Bioinformatics and the Andalusian initiative for personalized medicine - Joaquin Dopazo  
09:55 Innovative purchase in Andalusia for liquid biopsy - Maria Jose Serrano  
10:20 NAGEN: Proyecto Genoma 1000 Navarra - Angel Alonso Sánchez  
10:45 Coffee Break

SESSION 10 - ESPT RESEARCH GROUPS  
Chairs: Marc Ansari, Sofia Siest  
11:15 PGx and drug transporters - Mikko Niemi  
11:40 PGx in diabetes care - Ewan Pearson  
12:05 What is the impact of pharmacogenomic to predict Sinusoidal obstructive syndrome in pediatric Stem cell transplantation - Marc Ansari, Patricia Huezo-Diaz  
12:30 Pharmacogenetics and personalised medicine in anticoagulation: latest developments - Vangelis Manolopoulos  
12:55 Lunch Break and Poster Awards

SESSION 11 - BEYOND PHARMACOGENETICS  
Chairs: Sanja Stankovic, Francisco Abad  
14:30 New pharmacogenomics biomarkers in diabetes care - tbc  
14:55 Regulatory aspects regarding implementation of PGx: SmPC information and EMA considerations - Markus Paulmichl  
15:20 Personalised medicine of prostate cancer: impact of genomic biomarkers - Csilla Sipeky  
15:45 The microbiome and response to drugs - Maurizio Simmaco  
16:10 Coffee Break

SESSION 12 - IMPLEMENTATION INITIATIVES  
Chairs: Ron van Schaik, Miquel Taron  
16:40 Implementation of Pharmacogenomics in Europe: The U-PGx project - George Patrinos  
17:05 Pharmacogenomic Implications of Population Admixture in Latin America - Guilherme Suarez-Kurtz  
17:30 Discussion and final remarks - Miquel Taron, Ron van Schaik  
18:00 END - Farewell Drinks
ABSTRACT SUBMISSION
Congress delegates are cordially invited to submit abstracts of their scientific work for presentation as a free communication at ESPT 2019 Congress.

ABSTRACT TOPICS
Psychiatry, cardiology, oncology, pain, diabetes, liquid biopsy, solid organ transplantation, lung cancer, nutrigenomics, pediatric hemato-oncology, drug transporters, PGx and EMA/FDA regulatory aspects, genotyping platforms, CYP2D6 genotyping expert analyses, decision support tools, patient perspectives, clinical implementation initiatives.

GENERAL REQUIREMENTS
The text must be clear, concise, and written in proper English. The content must not have been previously published in academic journals or subject to peer review. Significant technical information must not be withheld. Abstracts must absolutely contain results. Statements such as “results will be discussed” are not acceptable and will lead to rejection.

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

NOTIFICATION OF ACCEPTANCE OR REJECTION
Authors will be notified of acceptance or rejection before 15th August 2019.

REGISTRATION
The presenting author of each abstract must register for the congress.

HOW TO PREPARE AND SUBMIT AN ABSTRACT
It is important to carefully follow the instructions below. Incorrectly prepared abstracts will be rejected.
• Abstracts should be prepared off-line in advance;
• Prepare your abstract on a word processor (such as Microsoft Word);
• Do not include title, authors’ names and affiliations in the abstract file
• Tables and figures are not allowed;
• References are not allowed;
• When abbreviations are used, spell out the full word at first mention in the text followed by the abbreviation in parentheses. Thereafter, use the abbreviation throughout.
When the on-line system requires the abstract to be entered, copy and paste your text. Abstracts are limited to 2300 characters, spaces included (title, authors’ names and affiliations excluded). The system will automatically notify you if the abstract exceeds this number of characters. Title, author(s) and affiliation(s) must be added separately at the appropriate step.

SUBMISSION
Abstracts should be submitted via the on-line submission system only.
Do not send in an abstract more than once!
Submit your abstract at http://www.2019esptcongress.eu/abstract/

DEADLINE FOR RECEIPT
Abstracts should be submitted by July 15th, 2019.
CONGRESS VENUE

NH HOTEL COLLECTION SEVILLA
Avda. Diego Martínez Barrio, 8 - 41013 Sevilla SPAIN
https://www.nh-hotels.com/hotel/nh-collection-sevilla

REGISTRATIONS

All delegates must register for the congress.
Registration fees are as follows:

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<th>UNTIL 31ST JULY 2019</th>
<th>AFTER 31ST JULY 2019</th>
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<tbody>
<tr>
<td>ESPT Members</td>
<td>€ 485,00</td>
<td>€ 545,00</td>
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<tr>
<td>Non Members</td>
<td>€ 545,00</td>
<td>€ 625,00</td>
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<td>SEFF Members</td>
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<td>Students*</td>
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(VAT 21% included)

*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 forwarded to the e-mail: info@2019ESPTcongress.eu

CONGRESS DINNER *not included in the registration fee*

The Social Dinner will be held on Thursday, October 17th

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<th>Reduced fee</th>
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<td>Accompanying persons and exhibitors</td>
<td>€ 60,00 per person</td>
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Further information about this evening will follow.

THE REGISTRATION FEE INCLUDES

- Entrance to Opening Ceremony, Scientific Sessions, posters sessions and exhibition
- Possibility to submit abstracts
- Certificate of attendance
- Welcome Reception
- Coffee and tea service during morning intermissions
- Lunches during the Congress

On-line registration is available on the congress website
http://www.2019esptcongress.eu/registrations/
Registration can be submitted on-line only
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