ESPT 2015
Third Conference
Integration of Pharmacogenomics in clinical decision support

October 7-8-9, 2015
Hungarian Academy of Sciences
Budapest, Hungary

www.esptcongress.eu
**Wednesday 7 October 2015**

**8:00-9:00 - Registration**

**9:00-10:00 - Opening Ceremony** – Hungarian authorities / ESPT and European and International organizations (IFCC, EFLM, IUPHAR, EPHAR, ESPT..)

**10:00 – 11:00 – Opening lectures**

Co-chairs: Urs A. Meyer / N.

- Dan Roden, Nashville, USA - *Vanderbilt and North American experience of opportunities and challenges of pharmacogenomics and personalized medicine and of their clinical implementation*

- Michael Hayden, Tel Aviv, Israel - *The perspectives of individualized medicine in Europe*

**11:00 – 11:15 - BREAK**

**11:15-13:15 - Use of Omics Data for Personalized Medicine**

Co-chairs György Németh / Guilherme Suarez-Kurtz

11:15-11:40 - György Németh, Budapest, Hungary - *New challenges of the decade: The value of personalized and translational medicine*

11:40-12:05 - Maurizio Ferrari, Milano, Italy - *Omics: From bench to benside*

12:05-12:30 - Markus Paulmichl, Salzburg, Austria – *Pharmacogenomics implementation – What are the Pitfalls?*

12:30-12:55 - Michael Neumaier, Heidelberg, Germany

12:55-13:15 - Candan Hizel, Izmir, Turkey - *Pharmacogenomics Knowledge Databases for Individual Approach by Help Decision Making System in Prediction of Patient Drug Metabolism Efficacy*

**13:15 – 14:15 LUNCH BREAK – POSTERS’ VISIT**

**14:15 - 15:15**

**WORKSHOP 1**

- THERMOFISHER - Drug Metabolizing Enzyme Genes
  
  Coordinatore: Peter Jacobs, Gent, Belgium

**15:15 – 15:30 – BREAK**

**15:30 – 17:30**

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<th>Co-chairs</th>
<th>Topic</th>
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<td>Ingolf Cascorbi/ Christoph Funk</td>
<td><strong>Interindividual differences of drug transporter function</strong></td>
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<td>Christoph Funk, Basel, Switzerland</td>
<td><em>Role of drug transporters in early clinical development</em></td>
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<td>Ingolf Cascorbi, Kiel, Germany</td>
<td><em>Genetics and epigenetics of efflux transporters</em></td>
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<td>Toshihisa Ishikawa,Yokohama, Japan</td>
<td><em>Genetics and function of ABCG2 (BCRP)</em></td>
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<td>Hanan Osman-Ponchet, Sophia-Antipolis, France</td>
<td><em>Characterization and regulation of the expression of drug transporters in human skin</em></td>
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<td>Nada Božina, Zagreb, Croatia</td>
<td><em>ABCG2 polymorphism as a risk factor for developing adverse drug reactions in patients taking atorvastatin: a case-control study</em></td>
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<td>Sabina Semiz, Sarajevo, Bosnia and Herzegovina</td>
<td><em>Pharmacogenomic Variations and Metformin Response</em></td>
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**17:30 – 18:30**

Selected poster presentations on drug transporters

**15:30 - 16:30**

**WORKSHOP 2**

- AFFYMETRIX

**16:30 – 18:00**

- TEVA – Repositioning old drugs for new indications by use of personalised and genomics approaches
  
  Coordinatore: Iris Grossman, Tel Aviv, Israel

**17:30 – 18:30**

Selected poster presentations

**18:30 – 20:00 – GET TOGETHER – Welcome Cocktail and POSTER SESSION**
Thursday 8 October 2015

08:00 – 09:00: Corporate members meeting

8:30 – 10:30 - Personalized immunosuppression
Co-chairs: Michael Oellerich / András Falus

8:30-8:55 - András Falus, Budapest, Hungary – Immunogenomics: toward the future trend of "intelligent" vaccines

8:55-9:20 - Pierre Marquet, Limoges, France - Pharmacogenetics of mTOR inhibitors

9:20-9:45 - Michael Oellerich, Goettingen, Germany - Biomarkers for personalized immunosuppression

9:45-10:10 - Matthew Albert, Paris, France – Immunotest for personalized medicine

10:10-10:30 – Samer Khaled, Duarte, USA - The influence of drug absorption, distribution, metabolism and excretion (ADME) genomic variants on tacrolimus and sirolimus blood levels in the setting of Graft Versus Host Disease (GVHD) prophylaxis

10:30 – 11:00 - BREAK

11:00 – 13:00 - Pharmacogenomics of Cardiovascular and Antidiabetic Drugs
Co-chairs: Gabor Kovacs/Jaroslav Hubacek

11:00-11:25 - Jaroslav Hubacek, Prague, Czech Rep – Pharmacogenetics of statin treatment efficacy and statin adverse effects

11:25-11:50 - Ivan Tkac, Bratislava, Slovakia - Pharmacogenomics of Oral Antidiabetic Drugs

11:50-12:15 - György Pfieglger, Debrecen, Hungary - Personalized approach to patients with bleeding or thrombotic disorders

12:15-12:40 – - Sanja Stankovic, Belgrade, Serbia - Gene Polymorphisms, Platelet Reactivity, and the RISK-PCI Score in Predicting Major Adverse Cardiovascular Events After Primary Percutaneous Coronary Intervention in Patients With ST-Segment Elevation Myocardial Infarction: Cost-Effectiveness Analysis

12:40-13:00 - Georgia Ragia, Alexandroupolis, Greece - Factors that affect acenocoumarol dosing requirements: analysis of the Greek population recruited in European Pharmacogenetics of Anticoagulant Therapy (EU-PACT) trial

13:00 – 14:15 LUNCH BREAK – Poster visit

14:15 – 15:15

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15:15-15:45 - BREAK
The pharmacogenomics of Asthma Treatment  
Co-chairs Vangelis Manolopoulos / Sabina Semiz

15:45-16:10 - Anke-Hilse Maitland van der Zee, Utrecht, the Netherlands - Pharmacogenomics of asthma treatment
16:10-16:35 - Somnath Mukhopadhyay, Brighton, UK
16:35-17:00 - Ildikó Horváth, Budapest, Hungary - Pharmacogenomics of Metformin Treatment

Genomics of VEGF and Diseases Prediction  
Co-chairs Sophie Visvikis-Siest/ John Lamont

15:45-16:05 - Sophie Visvikis-Siest, Nancy, France - The VEGF clinical implementation pathway
16:05-16:25 - Marc Rancier, Luxembourg - VEGF Genomics in clinical Endocrinology
16:25-16:50 - Helena Murray, Co Antrim, UK - Specificity of VEGF bio markers

Oral presentation and Selected poster discussions
Melih Koldemir Gunduz, Izmir, Turkey - The effects of glipizide on adipogenesis related gene expressions by using impedance-cell based label free technology in mature adipocytes
Agnes F. Semsei, Budapest, Hungary - Anthracycline cardiotoxicity in childhood acute lymphoblastic leukemia

20:00 – AWARD DINNER

Friday 9 October 2015

8:30 – 10:00 - Pharmacogenomics in Pain Treatment  
Co-chairs: Adrian Llerena / Beata Sperlagh

8:30-8:45 - Adrian Llerena, Badajoz, Spain - Introduction
8:45-9:05 – György Bagdy, Budapest, Hungary - Genomics of pain and comorbid disorders
9:05-9:25 - Ana Peiró, Alicante, Spain- Pharmacogenetics and individualizing drug treatment in chronic pain
9:25-9:45 - Alain Eschalier, Clermont-Ferrand, France – Analgesic effect of paracetamol: a new insight" or "Paracetamol: a centrally-acting analgesic
9:45-10:00 – Frédéric Libert, Clermont-Ferrand, France – Epigenetic regulations and neuropathic pains

10:00 – 10:30 - BREAK

10:30 – 12:30 - Personalizing treatment strategies in Onco-Hematology  
Co-chairs: Marc Ansari / József Timar

10:30-10:40 - Marc Ansari, Geneva, Switzerland - Introduction
10:55-11:20 - József Timar, Budapest, Hungary - The present of personalized medicine: update on oncology
11:20-11:45 - Céline Pallaud, Basel, Switzerland - Tyrosine kinase inhibitor in oncology
11:45-12:10 - Joseph Ciccolini, Marseille, France - Pharmacogenetics of myelodysplastic syndromes: applications, limits and perspectives
12:10-12:30 – N.

Oral presentation

12:30 – 13:30 LUNCH BREAK

12:30 – 13:30: General Assembly
### 13:30-15:00
Toward practical application of Big Data and Digital Health for personalized medicine: Revolution is now
*chairs: Patrice Denèfle / Cyril Grospiron*

**Patrice Denèfle**, Institut Roche, France / **Cyril Grospiron**, Umanlife, France - *Introduction*

**Uwe Diegel**, Paris, France - *The Impact of Digital Health as a tool for Clinical Research*

**Bernard Courtieu**, Integragen, France

**Scott Kahn**, Illumina, USA

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### 15:00 – 15:20 - BREAK

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### 15:20 – 18:20 - SPECIFIC WORKSHOP ON CLINICAL IMPLEMENTATION
*Co-chairs: Adrian Llerena/ Ron van Schaik / Maria Judit Molnar*

*With the participation of general practitioners and specialised clinicians and the ESPT specialised colleagues (B. Melichar, M. Simmaco, V. Manolopoulos and specialised companies).*

- **Introduction**: Ron van Schaik

- **Paolo Marchetti**, Roma, Italy – *Cancer drugs* - *Group I*

- **Dan Roden**, Nashville, USA – *Cardiovascular drugs* - *Group II*

- **Marie Judit Molnar**, – *Antipsychotic drugs* - *Group III*

- **Ana Peiro**, Alicante, Spain – *Pain* - *Group IV*

- **Closing discussion**: Adrian Llerena