



ESPT 2015

Third Conference

Integration of Pharmacogenomics in clinical decision support

October 7-8-9, 2015

Hungarian Academy of Sciences Budapest, Hungary



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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 bedside*

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

Coodinator: Peter Jacobs, Gent, Belgium

15:15 – 15:30 – BREAK

15:30 – 17:30

Interindividual differences of drug transporter function

Co-chairs Ingolf Cascorbi/ Christoph Funk

15:30-15:55 - Christoph Funk, Basel, Switzerland - *Role of drug transporters in early clinical development*

15:55-16:20 - Ingolf Cascorbi, Kiel, Germany - *Genetics and epigenetics of efflux transporters*

16:20-16:45 - Toshihisa Ishikawa, Yokohama, Japan - *Genetics and function of ABCG2 (BCRP)*

16:45-17:00 - Hanan Osman-Ponchet, Sophia-Antipolis, France - *Characterization and regulation of the expression of drug transporters in human skin*

17:00-17:15 - Nada Božina, Zagreb, Croatia - *ABCG2 polymorphism as a risk factor for developing adverse drug reactions in patients taking atorvastatin: a case-control study*


17:15-17:30 - Sabina Semiz, Sarajevo, Bosnia and Herzegovina - *Pharmacogenomic Variations and Metformin Response*

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

Coodinator: Iris Grossman, Tel Aviv, Israel

17:30 – 18:30

Selected poster presentations on drug transporters

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 Pfliegler**, 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

WORKSHOP 3

Company

WORKSHOP 4

 ILLUMINA

15:15-15:45 - BREAK

15:45 – 17:15	
<p>The pharmacogenomics of Asthma Treatment Co-chairs Vangelis Manolopoulos / Sabina Semiz</p> <p>15:45-16:10 - Anke-Hilse Maitland van der Zee, Utrecht, the Netherlands - <i>Pharmacogenomics of asthma treatment</i></p> <p>16:10-16:35 - Somnath Mukhopadhyay, Brighton, UK</p> <p>16:35-17:00 - Ildikó Horváth, Budapest, Hungary</p> <p>17:00-17:15 - Ewan Pearson, Dundee, Scotland - <i>Pharmacogenomics of Metformin Treatment</i></p>	<p>Genomics of VEGF and Diseases Prediction Co-chairs Sophie Visvikis-Siest/ John Lamont</p> <p>15:45-16:05 - Sophie Visvikis-Siest, Nancy, France <i>The VEGF clinical implementation pathway</i></p> <p>16:05-16:25 - Marc Rancier, Luxembourg <i>VEGF Genomics in clinical Endocrinology</i></p> <p>16:25-16:50 - Helena Murray, Co Antrim, UK <i>Specificity of VEGF bio markers</i></p> <p>16:50-17:10 - Behrooz Alizadeh, Groningen, The Netherlands</p>
17:15 – 18:00	
<p>Oral presentation and Selected poster discussions Meliha Koldemir Gunduz, Izmir, Turkey - <i>The effects of glipizide on adipogenesis related gene expressions by using impedance-cell based label free technology in mature adipocytes</i></p> <p>Agnes F. Semsei, Budapest, Hungary - <i>Anthracycline cardiotoxicity in childhood acute lymphoblastic leukemia</i></p>	<p>Pharmacogenomics data treatment and software for interpretation</p>

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 Eschaliér, 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 Deneffe / Cyril Grospron

Patrice Deneffe, Institut Roche, France / **Cyril Grospron**, 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

15:00 – 15:20 - BREAK

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