7th Santorini Conference
Biologie Prospective
Systems Medicine,
Personalized Health and Therapy
in collaboration with ESPT

September 25 - 27, 2014
Nomikos Conference Center
Thira-Santorini, Greece

www.santorini2014.org
Thursday 25th, September - Morning

8:15 – OPENING – Gérard Siest, Nancy, France

8:30 - 10:30 - SESSION I
FROM SYSTEMS BIOLOGY TO SYSTEMS MEDICINE

1. Bruno Sobral, Lausanne, Switzerland
   Systems biology and human health

2. Ines Thiele, Esch-sur-Alzette, Luxembourg
   Human Biochemical networks for Systems Medicine

3. Ronald Roepman, Nijmegen, The Netherlands
   SysCilia - A Systems medicine approach to dissect cilia function in human genetic disease

4. Patrick Johnson, Vélizy-Villacoublay, France
   BioIntelligence & the Industrial Challenges for Systems Biology

10:30 - 11:00 - Break and Poster visit

11:00-13:00 – SESSION II
FROM SYSTEMS MEDICINE TO SYSTEMS PHARMACOLOGY

1. Giulio Superti-Furga, Vienna, Austria
   The dawning era of systems pharmacology and genome medicine

2. Allen Roses, Durham, USA
   Pharmacogenomics and Alzheimer treatments

3. Bernhard Winkelmann, Frankfurt, Germany
   Personalized medicine in cardiovascular disease

4. Patrice Denefle, Les Ulis, France
   Integrating Big Data into Translational Sciences

5. N. (GSK)
   Bioelectronic medicine

13:00-15:00 – Lunch Break

Lunch symposia will be organized in collaboration with Randox, Life Technologies, Illumina, Affymetrix, Teva,

Poster visit by the Poster and Award Committee
Thursday 25th, September - Afternoon

15:00-16:30 - SESSION III
UNDERSTANDING CANCER THROUGH SYSTEMS MEDICINE

1. Jean Clairambault, Paris, France
   Drug resistance in cancer cell populations: Genetic or epigenetic phenomenon? Mathematical and biological assessment

2. Claire Rioualen, Marseille, France
   Cancer stem cells regulatory circuit is deciphered through an interactome? regulome? transcriptome integrative approach

3. Csaba Szalai, Budapest, Hungary
   Bayesian relevance and effect size analysis of the survival rate after chemotherapy in childhood acute lymphoblastic leukemia

4. Rui Medeiros, Porto, Portugal
   Depression/cancer interaction and relevant genes

16:30-17:00 - Poster visit

16:30-18:30 - ESPT NETWORK ON PHARMACOGENOMIC LABORATORIES (closed meeting) - Conveners - R. Van Schaik, Rotterdam, The Netherlands / Marja-Liisa Dahl, Stockholm, Sweden

17:00-18:30 - SESSION IV
UNDERSTANDING BRAIN HEALTH AND DISORDERS THROUGH SYSTEMS BIOLOGY

1. Rebecca Matsas, Athens, Greece
   Human induced pluripotent stem cells for modeling Parkinson’s disease: a Systems Biology approach

2. Magnus Ingelman Sundberg, Stockholm, Sweden
   Brain and endobiotic – xenobiotic interactions

3. Andreas Papassotiropoulos, Basel, Switzerland
   Genetics and memory performance

4. Adrian Llerena, Badajoz, Spain
   Pharmacogenetic of antidepressants and its implication for Suicide

5. Vesna Dimitrijevic-Sreckovic, Belgrade, Serbia
   Abdominal obesity responsible for depression in adolescents and youth

19:00 – Opening Reception in Perissa (sea view)
8:30 - 10:30 - **SESSION V**

**APPLYING OMICS TO DRUG DISCOVERY AND RESPONSE**

1. Antoine Bril, Suresnes, France
   *Specific software and drug discovery*

2. François Kepes, Evry, France
   *Advanced concepts in drug bioproduction from microorganisms*

3. Nicolas Levy, Marseille, France
   *Genes based knowledge for the development of new therapies*

4. Noémie Robil, Strasbourg, France
   *Fast gene expression-based selection of putative membrane-associated cancer antigens*

10:30 - 11:00 - **Break and Poster visit – Group picture**

11:00-12:30 - **SESSION VI**

**TRANSLATING PHARMACOGENOMICS INTO CLINICAL MEDICINE**

1. Urs A. Meyer, Basel, Switzerland
   *Digital signatures of drug response as clinical decision tools*

2. Ron Van Schaik, Rotterdam, The Netherlands
   *Presentation of the ESPT Pharmacogenomics Network strategy*

3. Markus Paulmichl, Salzburg, Austria
   *Pharmacogenetic characterization of the Kosovar Albanian Population*

4. Mark Bartlett, London, United Kingdom
   *A proposed model for translating pharmacogenetics into the clinical setting*

5. María del mar Maldonado, Granada, Spain
   *Gene polymorphisms associated to clinical and biological response to Infliximab in Crohn Disease*

6. Candan Hizel, Eskişehir, Türkiye
   *Individual Approach for Predictive Genetic Testing by Help Decision Making System: Application for Pharmacogenetics*

12:30-14:15 – **Lunch break**

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**Poster visit by the Poster and Award Committee**
14:15-16:00 - SESSION VII
PROTEOMIC BIOMARKERS IN SYSTEMS PHARMACOLOGY AND MEDICINE

1. Naoyuki Taniguchi, Tokyo, Japan
   Proteomics and biomarkers discoveries

2. Ivan Brandslund, Vejle, Denmark
   Serum HER-2 determinations for personalized care of cancer patients during treatment with Herceptin

3. Biljana Smiljanovic, Berlin, Germany
   From synovial tissue biopsies to blood and bone marrow transcriptomes in biomarker discovery of rheumatoid arthritis

16:00-18:00 - SESSION VIII
METABOLOMIC TOOLS FOR CLINICAL IMPLEMENTATION OF PERSONALIZED MEDICINE

1. Jean Marc Grognet, Saclay, France
   Recent development in metabolomics for diagnostics and drug discovery

2. Christophe Junot, Saclay, France
   Metabolomics for personalized medicine and patient stratification

3. John Ryals, Durham, USA
   A Metabolomic Approach for Biomarker Discovery and Diagnostic Development in Diseases Related to Obesity and Cancer

4. Prof Ron Wevers, Nijmegen, The Netherlands
   Where is Wally? – Untargeted metabolomics in inborn errors of metabolism

18:30-21:00 – Art and Science - Art Foundation Santorini, Fira, Pyrgos rd

Santorini Volcano and Atlantis
Andreas Vgenopoulos, Athens, Greece

Drug metabolizing enzyme and population migration
Magnus Ingelman Sundberg, Stockholm, Sweden

Memory genes and population post-traumatism after migration
Andreas Papassotiropoulos, Basel, Switzerland

21:00 – Gala dinner - Pyrgos
Saturday 27th September - Morning

8:30-10:30 - **SESSION IX**
**HUMAN NUTRITION, ENVIRONMENT AND HEALTH**

1. Martin Kussmann, Lausanne, Switzerland  
   *Systems approaches to define and maintain health*

2. Jim Kaput, Lausanne, Switzerland  
   *Nutrigenomics of Metabolic Health*

3. Panos Deloukas, Cambridge, United Kingdom  
   *For Heart disease genetics / expression & epigenetics associations with fat related phenotypes*

4. George Dedoussis, Athens, Greece  
   *Non-alcoholic fatty liver disease. Genetic etiology and nutritional intervention*

5. Steffen Gay, Zurich, Switzerland  
   *Epigenetics in rheumatic diseases*

10:30-11:00 - **Break**

11:00-12:00 - **ENVIRONMENT AND HUMAN HEALTH**

1. Jacques Beckmann, Lausanne, Switzerland  
   *Microbiome environment and health*

2. Robert Barouki, Paris France  
   *The human exposome and contaminant mixture effects*

3. Hauner Hans, Munich, Germany  
   *Prevention of diabetic risk through actions on the environment*

12:00 - 14:00 Lunch break

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➢ **ESPT GENERAL ASSEMBLY**
Saturday 27th September - Afternoon

14:00 - 16:00  SESSION X
THE FUTURE OF HEALTHCARE WITH OMICS

1. Ruth Chadwick, Cardiff, UK
   Exploring the personal in personalized medicine

2. Josep Roca, Barcelona, Spain
   Systems medicine and chronic disease healthcare

3. Sophie Visvikis-Siest, Nancy, France
   Time to reverse GWAS! Phenome-wide association studies

4. Andres Metspalu, Tartu, Estonia
   Recent developments in the Estonian Biobank and personal medicine program in Estonia

5. Cathy McGeough, Belfast, Ireland
   Rheumatoid arthritis and omics

16:00 - 17:30  SESSION XI
IMPLEMENTATION IN EUROPE OF SYSTEMS MEDICINE AND PHARMACOENOMICS

1. Angela Brand, Permed, Maastricht, Netherlands
   Stratified medicine between personalized and systems medicine

2. Charles Auffray, Casym, Lyon, France
   The road map for implementation of Systems Medicine in Europe

3. Elisabetta Vaudano, IMI, Brussels, Belgium

4. Christina Kyriakopoulou, EC, Brussels, Belgium

5. Marisa Papaluca / Falk Ehmann, EMA

6. Irène Norstedt, Permed, Brussels, Belgium

7. Pierre Meulien, Permed, Ottawa, Canada
Register online: www.santorini2014.org

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