The 9th Santorini Conference
SYSTEMS MEDICINE AND PERSONALISED HEALTH & THERAPY
« The Odyssey from Hope to Practice »
30 September - 3 October 2018
Nomikos Conference Center, Thira-Santorini / Greece

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Under the auspices of:
Dear colleagues, Dear friends,

**Don’t forget to register at The 9th Santorini Conference**, to be held from **30 September to 3 October 2018** in Santorini, Greece.

Together with a Steering Committee (SC) and a Scientific Advisory Board (SAB) with members across academia, clinics and industry, the 9th Santorini Conference aims to facilitate scientific exchange between basic research, industrial research and medical areas and create more interactions between disciplines around a scientific content towards an effective ‘roadmap’ for personalised health and therapy.

The title is dealing with Greek mythology in the spirit of the island and of our thematic obstacles to resolve and overcome: **Systems Medicine, Personalised Health & Therapy. “The Odyssey from Hope to Practice”** with a special focus on “cardio-metabolic diseases and cancer”.

The scientific programme includes 1 session for young researchers’ lectures. Two selected posters will be granted with “Gerard Siest” awards: 1 in “-omics” biomarkers and 1 in Pharmacogenomics.

The 9th Conference aims to answer:
- Can genetic screening help identify individuals at greatest risk for cardio-metabolic diseases and cancer?
- What is the greatest clinical need with regard to diagnosis, prediction and patient stratification for these pathologies and how this is/can be addressed?
- Does a genetic risk score identify patients at highest risk and is its use justified in clinical practice?
- What are the challenges of the current clinical trials?
- What about comorbidities with aging?
- What is the impact of pharmacogenomics on:
  - Deliverance of more predictable responses to drug therapy
  - Minimisation of the occurrence and severity of adverse drug reactions
  - Conduction of more cost-effective clinical trials
  - Drug discovery and the drug development process
  - Do the existing diagnostic tools answer the needs of pharmacogenomics?

**It’s now time to submit your abstracts for oral or poster presentations** ([www.santoriniconference.org](http://www.santoriniconference.org)) and for being with us in Santorini in 2018 so don’t lose time, and **register yourself now to our Conference!**

Sofia Siest
President of the Santorini Conference series
**SCIENTIFIC PROGRAMME**

**Sunday 30, September**

03:00 pm – 05:00 pm – CLOSED MEETING – MAST4HEALTH
04:00 pm – 06:00 pm – REGISTRATION
06:00 pm – 06:15 pm - WELCOME - Sofia Siest, Nancy, France
06:15 pm – 07:15 pm - KEYNOTE LECTURE
The journey to personalised medicine – landmarks and challenges - Eric Boerwinkle, Houston, United States

WELCOME RECEPTION

**Monday 1st, October – 09:00 am to 01:30 pm**

09:00 am – 11:00 am - SESSION I
‘-OMICS’ BIOMARKERS COMMONALITY IN CARDIO-METABOLIC DISEASES AND CANCER – CAN SEQUENCING OFFER A DIAGNOSIS?
Chairs: Panagiotis Delo/United Kingdomas, London, United Kingdom / Heiko Meyer, Hamburg, Germany

09:00 am – 09:30 am
Metabolomics applied to novel cardiometabolic disease mechanisms and therapeutic targets - Christopher B. Newgard, Durham, USA

09:30 am – 10:00 am
The 100,000 Genomes Project- transforming genomics in healthcare - Mark Caulfield, London, United Kingdom

10:00 am – 10:30 am
The International Cancer Genome project - Peter Cambell, Hinxton, United Kingdom

10:30 am – 11:00 am
Personalised biomarkers in cancer - Eleftherios Diamandis, Toronto, Canada

11:00 am -12:00 pm – Coffee Break and Posters visit

12:00 pm –01:30 pm – SESSION II
UNMET CLINICAL NEEDS IN THE PREVENTION AND TREATMENT OF CARDIO-METABOLIC DISEASES AND CANCER – COMORBIDITIES
Chairs: Athanase Benetos, Nancy, France / John Lamont, Belfast, United Kingdom

12:00 pm – 12:30 pm
Epigenetics of Cardiovascular Diseases and co-morbidities - Manuel Rosa Garrido, Los Angeles, United States

12:30 pm – 01:00 pm
Telomere length and the Cancer/Atherosclerosis trade off - Abraham Aviv, New Jersey, United States

01:00 pm – 01:30 pm
Heart failure, aging and co-morbidities: New therapeutic approaches - Athanase Benetos, Nancy, France

01:30 pm – 02:30 pm – ORAL COMMUNICATIONS SESSION
- 6 x 10 min oral presentations

02:30 pm – 03:30 pm – Lunch and Posters visit
05:00 pm – 07:00 pm – SESSION III
PIPELINE CHALLENGES IN PRECISION MEDICINE – FROM PATIENT SAMPLING TO A CLINICAL REPORT
Chairs: George Dagher, Paris, France / Charity Nofziger, Salzburg, Austria

05:00 pm – 05:30 pm
From Patient sampling to clinical report – The Austrian experience - Markus Paulmichl, Salzburg, Austria

05:30 pm – 06:00 pm
Standardized improved pre-analytical workflows: the bridge to good quality samples for reliable analytical test results - Uwe Oelmueller, Hilden, Germany

06:00 pm – 06:30 pm
Using tissue samples for quantitative protein and phosphoprotein analysis – critical considerations - Karl Friedrich Becker, Munich, Germany

06:30 pm – 07:00 pm
Challenges in using liquid biopsies for precision medicine - Maria G. Daidone, Milan, Italy

07:00 pm – 08:00 pm – SESSION IV
PGX - REGULATORY PERSPECTIVES AND FUTURE TECHNICAL/ANALYTICAL DEVELOPMENTS
Chairs: Markus Paulmichl, Salzburg, Austria / Lynn Webster, Salt Lake City, United States

07:00 pm – 07:30 pm
EMA Good Pharmacogenomic Practice (GPP) group EMA: Pharmacogenomics Working Party: Relevant new Guidelines - Markus Paulmichl, Salzburg, Austria

07:30 pm – 08:00 pm
Upcoming Challenges in PGx - Plasmonic biosensing for liquid biopsy applications: the ULTRAPLACAD platform - Giuseppe Spoto, Catania, Italy

9:00 pm – GALA DINNER
Tuesday 2 October – 09:30 am to 02:00 pm

09:30 am – 11:30 am – SESSION V
GENE-ENVIRONMENT INTERACTIONS IN CARDIO-METABOLIC DISEASES AND CANCER
Chairs: Robert Barouki, Paris, France / Michael Marschler, Mannheim, Germany

09:30 am – 10:00 am
Nutrigenetics in Non-Alcoholic Fatty Liver Disease - Georges Dedoussis, Athens, Greece

10:00 am – 10:30 am
Gene-environment interactions in cardio-vascular diseases: ‘-omics’ and systems biology - Myriam Fornage, Houston, United States

10:30 am – 11:00 am
A perspective on interaction effects in genetic association studies - Variation in Predictive Ability of Common Genetic Variants by Established Strata: The Example of Breast Cancer and Age - Hugues Aschard, Paris, France

11:00 am – 11:30 am
Exposome/epigenomics and clinical application - Robert Barouki, Paris, France

11:30 am - 12:00 pm – Coffee Break

12:00 pm – 02:00 pm - SESSION VI
WHAT CAN WE LEARN FROM ELECTRONIC HEALTH RECORDS?
Chairs: Panagiotis Deloukas, London, United Kingdom / Markus Paulmichl, Salzburg, Austria

12:00 pm – 12:30 pm
Using Big Data to interpret genomes to accelerate drug discovery - Rong Chen, Mount Sinaï, United States

12:30 pm – 01:00 pm
Linking HER to genetic data - Harry Hemingway London, United Kingdom

01:00 pm – 01:30 pm
Primary health data in a cohort of over 20,000 people in East London - Richard Trembath, London, United Kingdom

01:30 pm – 02:00 pm
Linking genetic data to risk of recurrent cardiovascular events through hospital records - Panagiotis Deloukas, London, United Kingdom

02:00 pm – 03:00 pm – Lunch

03:00 pm – 05:00 pm – CLOSED MEETING - VEGF CONSORTIUM
Tuesday 2 October - 05:00 pm to 08:00 pm

05:00 pm – 07:00 pm - SESSION VII
PAIN MANAGEMENT - A ‘JOURNEY’ FROM ‘CLINICAL TRIAL’ VIA ‘POST-MARKETING PHARMACOVIGILANCE / RISK MANAGEMENT’ TO ‘SUCCESS STORY’
Chairs: Michael Marschler, Mannheim, Germany / Lynn Webster, Salt Lake City, United States

05:00 pm – 05:30 pm
The journey starts with “Genetic biomarkers as common denominators for specific pain disorders” - Lynn Webster, Salt Lake City, United States

05:30 pm – 06:00 pm
1st stop over: “Opioid pharmacogenomics” - Laure Elens, Brussels, Belgium

06:00 pm – 06:30 pm
2nd stop over: “Pharmacogenomics in Post-Marketing Pharmacovigilance” - Noelia Martin Granado, Madrid, Spain

06:30 pm – 07:00 pm
End of the journey: “The adoption of Pharmacogenomics leading to patient benefit” - Andrew Purchase, Swansea, United Kingdom

07:00 pm – 08:00 pm – ORAL COMMUNICATIONS SESSION
- 6 x 10 min oral presentations

Wednesday 3 October - 09:00 am to 02:00 pm

09:00 am – 11:00 am - SESSION VIII
PHARMACOGENOMICS: CHALLENGES OF CLINICAL TRANSLATION
Chairs: Urs Meyer, Basel, Switzerland / Charity Nofziger, Salzburg, Austria

09:00 am – 09:30 am
Safety of drug treatment in oncology: A genomic perspective - Federico Innocenti, Chapel Hill, United States

09:30 am – 10:00 am
Technical Challenges in CYP2D6 analysis - Charity Nofziger, Salzburg, Austria

10:00 am – 10:30 am
Pharmacogenomics – A paradigm for digital medicine - Urs A. Meyer, Basel, Switzerland

10:30 am – 10:50 am
Implementation of Pharmacogenetics in Turkish Clinical Practice: The Example of Dihydropyrimidine Dehydrogenase – Belgin Süsleyici, Istanbul, Turkey

10:50 am – 11:10 am
Taking biomarkers from discovery to implementation in clinical practice - Munir Pirmohamed, Liverpool, United Kingdom

11:10 am - 11:30 am – Coffee Break
11:30 am – 01:30 pm - SESSION IX
LATEST INSIGHTS IN STROKE: CLINICAL TRIALS AND APPLICABILITY OF ‘-OMICS’ DATA IN PATIENT’S STRATIFICATION
Chairs: John Lamont, Belfast, United Kingdom / Sudha Seshadri, Boston, United States

11:30 am – 12:00 pm
  Genetics of cerebrovascular disease - Stéphanie Debette, Bordeaux, France

12:00 pm – 12:30 pm
  ‘-Omic’s determinants of subclinical stroke events - Sudha Seshadri, Boston, United States

12:30 pm – 01:00 pm
  Stroke and pharmacogenomic's - Guillaume Pare, Hamilton, Ontario, Canada

01:00 pm – 01:30 pm
  Protein Biomarkers and diagnosis of ischemic stroke - Konstantinos Makris, Athens, Greece

01:30 pm – 02:00 pm
CONCLUSIONS & PERSPECTIVES REMARKS
by Sofia Siest, Nancy, France and Urs Meyer, Basel, Switzerland
New possibility to submit an abstract for poster presentation only until June 29th!

To be submitted at:

http://sites.altilab.com/abstracts-santorini/2876-call-for-abstracts-santorini-conference

Do not forget that:

2 Gérard Siest’s Poster awards of 850 euros each will be granted

Registration Information

Full registration
⇒ 650 euros till July 31st
⇒ 800 euros starting from August 1st

Student registration
⇒ 300 euros till July 31st
⇒ 400 euros starting from August 1st

Accompanying
⇒ 300 euros

Registration must be done online at: