

The 10th Santorini Conference

SYSTEMS MEDICINE AND PERSONALISED HEALTH & THERAPY

The Odyssey from Hope to Practice: Patient first



SCIENTIFIC PROGRAM

Monday 23 May – 01:00 pm - 09:00 pm

➤ **REGISTRATION starts at 01:00 pm**

01:15 pm - 03:00 pm – VEGF Consortium (closed meeting)

03:00 pm - 04:00 pm – MAST4HEALTH consortium (closed meeting)

04:00 pm - 05:00 pm – 1st dedicated poster session

05:00 pm - 05:30 pm – WELCOME – Sofia SIEST, Nancy, France

05:30 pm - 06:30 pm – KEYNOTE ROUND TABLE – PGx ANALYSIS IN THE MEDICAL DIAGNOSTIC LABORATORY - FROM SCIENCE TO CLINICAL DECISION SUPPORT (CDS)

Chairs: Raute Sunder-Plassman, Vienna, Austria / Markus Paulmichl, Salzburg, Austria

Participants: Ron van Schaik, Rotterdam, The Netherlands, Munir Pirmohamed, Liverpool, United Kingdom, Magnus Ingelman-Sundberg, Stockholm, Sweden, Raute Sunder-Plassman, Vienna, Austria, Vangelis Manolopoulos, Alexandroupolis, Greece

06:30 pm - 07:30 pm – KEYNOTE LECTURE

Chairs: Georges Dagher, Paris, France / Sofia Siest, Nancy, France

Nickolas Papadopoulos, Baltimore, US - Advances in Cancer Detection

Welcome reception – 07:30 pm - 09:00 pm at the Petros Nomikos Center

Tuesday 24 May – 09:00 am - 01:30 pm

09:00 am – 11:00 am – SESSION I – LIQUID BIOPSY, PAST, PRESENT, FUTURE

Chairs: Heiko Meyer, Hamburg, Germany / Georges Dagher, Paris, France

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09:00 am - 09:30 am

Klaus Pantel, Hamburg, Germany – Technologies and Clinical Applications of Liquid Biopsy

09:30 am - 10:00 am

Catherine Alix-Panabieres, Montpellier, France - Metastasis-Competent circulating tumor cells in colon cancer

10:00 am - 10:30 am

Ed Schuurin, *Gröningen, The Netherlands*

10:30 am - 11:00 am

Michael Oellerich, *Göttingen, Germany* – Donor-derived cell-free DNA testing in organ transplantation: a value proposition

11:00 am - 11:30 am – Coffee Break

11:30 am – 01:30 pm – FLASH COMMUNICATIONS SESSION

Chairs: Michael Marschler, Henstedt-Ulzburg, Germany / Vangelis E. Manolopoulos, Alexandroupolis, Greece

11:30 am – 11:45 am

Csilla Sipeky, *Turku, Finland* – Personalised medicine of prostate cancer

11:45 am – 12:00 pm

Janja Marc, *Ljubljana, Slovenia* – Why men have stronger bones? Genetic background

12:00 pm – 12:15 pm

Milica Medic-Stojanoska, *Nova Sad, Serbia* – Polycystic ovary syndrome: do phthalates and bisphenol A play a role?

12:15 pm – 12:30 pm

Sanja Stankovic, *Belgrade, Serbia* – Association between CYP2C19 polymorphisms and clinical outcomes in STEMI patients treated by PPCI

12:30 pm – 12:50 pm

Andrea Griesmacher, *Innsbruck, Austria* – Pharmacogenetics and immunosuppressive drugs in clinical daily life

12:50 pm – 01:10 pm

Ingolf Cascorbi, *Kiel, Germany* – Pharmacogenomics of tyrosine kinase inhibitors

01:10 pm – 01:30 pm

Vangelis Manolopoulos, *Alexandroupolis, Greece* – Pharmacogenetics and personalised medicine in anticoagulation latest developments.

01:30 pm – 02:30 pm – LUNCH TIME

02:00 pm - 03:00 pm – 2nd dedicated poster session

Tuesday 24 May – 03:00 pm - 04:00 pm

03:00 pm – 04:00 pm – SESSION II – ADVANCES ON CELLULAR AND MULTI-OMIC APPROACHES

Chairs: Carlos Malpica, Doha, Qatar / Robert Barouki, Paris, France

03:00 pm - 03:30 pm

Colin Brenan, *Boston, Massachusetts, United States* – Single cell omics

03:30 pm - 04:00 pm

Ekaterini Alexiou Chatzaki, *Crete, Greece* – Biomarker discovery in the era of automated machine learning: from targeted to data-driven approaches

04:00 pm - 5:00 pm General Assembly of the Santorini Conferences (SCs) association

9:00 pm – Gala dinner

Wednesday 25 May – 09:00 am - 01:30 pm

09:00 – 10:30 am – SESSION III – HEART INFLAMMATION

Chairs: Panagiotis Deloukas, London, United Kingdom / John Lamont, Crumlin, County Antrim, United Kingdom

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09:00 am - 09:30 am

Federica Marelli-Berg, London, United Kingdom - Preservation of microvascular barrier function requires CD31 receptor-induced metabolic reprogramming

09:30 am - 10:00 am

Shoumo Bhattacharya, Oxford, United Kingdom – Therapeutic targeting of the chemokine network in inflammation using tick salivary proteins

10:00 am - 10:30 am

Highlights by RANDOX

10:30 am - 11:00 pm – Coffee Break

11:00 am – 12:30 pm – SESSION IV – ECON-OMICS: BETTER CARE FOR BETTER COST

Chairs: Georges Dagher, Paris, France / Robin Everts, San Diego, United States

11:00 am – 11:30 am

Georges Dagher, Paris, France – Is there life between standards?

11:30 am - 12:00 pm

Uwe Oelmueller, Hilden, Germany

12:00 pm - 12:30 pm

Adrian LLerena, Badajoz, Spain – PGx implementation in real world of Public Health care systems

12:30 pm – 01:30 pm – SESSION V - 1st part – GENETIC SCREENING & CLINICAL APPLICATIONS

Chairs: Guillaume Paré, Hamilton Canada / Georges Dedoussis, Athens, Greece

12:30 pm - 01:00 pm

Philippe Froguel, Lille, France - Impact of rare variants in metabolic diseases towards personalised medicine

01:00 pm - 01:30 pm

Georges Dedoussis, Athens, Greece – Omics and Mastiha treatment in NAFLD - The EU Mast4Health program

01:30 pm - 02:30 pm – LUNCH TIME

Wednesday 25 May – 02:30 pm - 06:00 pm

02:30 pm – 04:30 pm – SESSION V – 2nd part – GENETIC SCREENING & CLINICAL APPLICATIONS

Chairs: Guillaume Paré, Hamilton Canada / Sofia Siest, Nancy, France

02:30 pm - 03:00 pm

Panagiotis Deloukas, London, United Kingdom – Cardiovascular disease prediction & polygenic risk scores

03:00 pm - 03:30 pm

Guillaume Paré, Hamilton Canada – The rise of the polygenic risk score: Phoenix or Icarus?

03:30 pm - 04:00 pm

Robert Barouki, Paris, France – The relevance of non-genomic stressors: deciphering environmental factors for the next decade

04:00 pm - 04:30 pm

Stavroula Kanoni, London, United Kingdom – Genetic susceptibility for COVID-19 infection and severity

04:30 pm - 06:00 pm – SELECTED ABSTRACTS - ORAL COMMUNICATIONS SESSION

Chairs: Csilla Sipeky, Turku, Finland / Belgin Ssleyici, Istanbul, Turkey

- **Didier Bourgeois, Maisons-Laffitte, France - A Prospective Multicenter French Study of the 21-Gene Assays: Impact on Treatment Selection in Patients with High-Risk Breast Cancer**

- **Alex Chenchik, Mountain View, US - Cell Barcoding, Genetic Screens and Expression Profiling at a Single-cell Level**

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Thursday 26 May – 09:30 am - 01:00 pm

09:30 am – 10:30 am – SESSION VI – DIGITAL HEALTH

Chairs: Alexander Haliassos, Athens, Greece, / Michael Marschler, Henstedt-Ulzburg, Germany

09:30 am – 10:00 am

Alexander Haliassos, Athens, Greece – Mobile Health (mHealth) and Internet of Things (IoT)

10:00 am - 10:30 am

Ivan Brandslund, Odense, Denmark – AI in Cancer, Emergency and COVID-19

10:30 am - 11:00 am – Coffee Break

11:00 am - 01:00 pm – SESSION VII – PHARMACOGENOMICS AND POST-MARKETING APPLICATIONS

Chairs: Charity Nofziger, Salzburg, Austria / Vangelis Manolopoulos, Alexandroupolis, Greece

11:00 am - 11:30 am

Ron van Schaik, Rotterdam, The Netherlands –Pharmacogenetics testing in a health care system: opportunities and challenges

11:30 am - 12:00 pm

Charity Nofziger, Salzburg, Austria – Efforts of the Pharmacogene Variation Consortium (PharmVar) to facilitate the interpretation of pharmacogenetic test results and guide precision medicine

12:00 pm - 12:30 pm

Maurizio Simmaco, Roma, Italy – Drug-Personal Interaction Network a bioinformatic tool in the clinical routine: the Italian experience

12:30 pm - 01:00 pm

Belgin Ssleyici, Istanbul, Turkey – Precision Medicine in Routine Turkish Clinical Practice: Today and the Future

01:00 pm – 01:15 pm – CLOSING SESSION – Sofia Siest, Nancy, France