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: **Alexander Haushofer**, Wels, Austria / **Markus Paulmichl**, Salzburg, Austria
  Participants: Ron van Schaik, Munir Pirmohamed, Magnus Ingelman-Sundberg, Raute Sunder-Plassman

  06:30 pm - 07:30 pm – KEYNOTE LECTURE
  Chairs: **Georges Dagher**, Paris, France / **Sofia Siest**, Nancy, France


  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: **Dagmar Kasper**, 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 Schuuring**, 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: Lynn Webster, Salt Lake City, United States / 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  
Belgin Süsleyici, Istanbul, Turkey – Precision Medicine in Routine Turkish Clinical Practice: Today and the Future

12:00 pm – 12:15 pm  
Janja Marc, Ljubljana, Slovenia – Why men have stronger bones? Genetic background

12:15 pm – 12:45 pm  
Sanja Stankovic, Belgrade, Serbia – Association between CYP2C19 polymorphisms and clinical outcomes in STEMI patients treated by PPCI

12:45 pm – 01:00 pm  
Andrea Griesmacher, Innsbrück, Austria – Pharmacogenetics and immunosuppressive drugs in clinical daily life

01:00 pm – 01:15 pm  
Ingolf Cascorbi, Kiel, Germany – Pharmacogenomics of TKI response in CML

01:15 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 - 05:00 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  
Peter Chiba, Vienna, Austria – Transporters, drug action and drug x drug interaction

04:00 pm – 04:30 pm - SESSION III – CANCER IMMUNOTHERAPY AND IMMUNOGENETICS  
Chairs: Charity Nofziger, Salzburg, Austria / Robin Everts, San Diego, United States

04:00 pm – 04:30 pm  
Federico Innocenti, Chapel Hill, United States – The immune system and its interaction with the tumor genome: patient survival and response to therapy

04:30 pm – 05:00 pm - SESSION II & SESSION III – Round table discussion

05:00 pm - 6:00 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 IV – 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 V – ECON-OMICS: BETTER CARE FOR BETTER COST
Chairs: Georges Dagher, Paris, France / Robin Everts, San Diego, United States

11:00 am – 11:30 pm
Georges Dagher, Paris, France – Is there life between standards?

11:30 pm - 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 VI - 1st part – GENETIC SCREENING & CLINICAL APPLICATIONS
Chairs: Guillaume Paré, Hamilton Canada / Georges Dedoussis, Athens, Greece

12:30 pm - 01:00 pm
Panagiotis Deloukas, London, United Kingdom – Cardiovascular disease prediction & polygenic risk scores

01:00 pm - 01:30 pm
Guillaume Paré, Hamilton Canada – The rise of the polygenic risk score: Phoenix or Icarus?

01:30 pm - 02:30 pm – LUNCH TIME

Wednesday 25 May – 02:30 pm - 05:30 pm

02:30 pm – 04:00 pm – SESSION VI – 2nd part – GENETIC SCREENING & CLINICAL APPLICATIONS
Chairs: Guillaume Paré, Hamilton Canada / Sofia Siest, Nancy, France

02:30 pm - 03:00 pm
Philippe Froguel, Lille, France - Impact of rare variants in metabolic diseases towards personalised medicine

03:00 pm - 03:30 pm
Robert Barouki, Paris, France – The relevance of non-genomic stressors: deciphering environmental factors for the next decade

03:30 pm - 04:00 pm
Georges Dedoussis, Athens, Greece – Omics and Mastiha treatment in NAFLD - The EU Mast4Health program
Thursday 26 May – 09:30 am - 01:00 pm

09:30 am – 10:30 am – SESSION VII – DIGITAL HEALTH
Chairs: Alexander Haliassos, Athens, Greece / Michael Marschler, Mannheim, Germany

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

Ivan Brandslund, Odense, Denmark – Using artificial intelligence in triage and diagnosis in the emergency ward

10:30 am - 11:00 am – Coffee Break

11:00 am - 12:30 am – SESSION VIII – PHARMACOGENOMICS AND POST-MARKETING APPLICATIONS
Chairs: Charity Nofziger, Salzburg, Austria / Vangelis Manolopoulos, Alexandroupolis, Greece

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

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

Maurizio Simmaco, Roma, Italy – Pharmacogenetics implementation in the clinics - an Italian model

12:30 pm – 01:00 pm – CLOSING SESSION – Sofia Siest, Nancy, France