# SCIENTIFIC PROGRAM

## Monday 28 September – 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: **Eleftherios Diamandis**, Toronto, Canada / **Sofia SIEST**, Nancy, France

  **Nickolas Papadopoulos**, Toronto, Ontario, Canada - Advances in Cancer Detection

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

## Tuesday 29 September – 09:00 am - 01:00 pm

09:00 am – 10:30 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

  10:00 am - 10:30 am

  **Ed Shuuring**, Groningen, Nederlands

  10:30 am - 11:00 am
Michael Oellerich, Göttingen, Germany – Donor-derived cell-free DNA 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 / Mikael Tsai, Minnesota, United States

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 – 12:30 pm
Milica Medic-Stojanoska, Nova Sad, Serbia – Polycystic ovary syndrome: do phthalates and bisphenol A play a role?

12:30 pm – 12:45 pm
Sanja Stankovic, Belgrade, Serbia – Association between CYP2C19 polymorphisms and clinical outcomes in STEMI patients treated by PCI

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

Tuesday 29 September – 02:30 pm - 03:30 pm

02:30 pm - 03:30 pm – SESSION II – ADVANCES ON CELLULAR AND MULTI-OMIC APPROACHES
Chairs: Carlos Malpica, Doha, Qatar / Robert Barouki, Paris, France

02:30 pm - 03:00 pm
Colin Brenan, Boston, Massachusetts, United States – Single cell omics

03:00 pm - 03:30 pm
Peter Chiba, Vienna, Austria – Transporters, drug action and drug x drug interaction

03:30 pm - 04:30 pm – 2nd dedicated poster session

9:00 pm – Gala dinner

Wednesday 30 September – 10:00 am - 01:30 pm

10:00 am – 11:00 am - SESSION III – CANCER IMMUNOTHERAPY AND IMMUNOGENETICS
Chairs: Charity Nofziger, Salzburg, Austria / Robin Everts, San Diego, United States

10:00 am - 10:30 am
Federico Innocenti, Chapel Hill, United States – The immune system and its interaction with the tumor genome: patient survival and response to therapy

10:30 am - 11:00 am
Eleftherios Diamandis, Toronto, Canada – Biomarkers for cancer immunotherapy

11:00 am - 11:30 am – Coffee Break
11:30 am – 01:30 pm – SESSION IV – HEART INFLAMMATION  
Chairs: Panagiotis Deloukas, London, United Kingdom / John Lamont, Crumlin, County Antrim, United Kingdom  

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11:30 am - 12:00 pm  
Federica Marelli-Berg, London, United Kingdom  
12:00 pm - 12:30 pm  
Michael Tsai, Minnesota, United States – Heart Failure Inflammation  
12:30 pm - 01:00 pm  
Shoumo Bhattacharya, Oxford, United Kingdom – Therapeutic targeting of the chemokine network in inflammation using tick salivary proteins  
01:00 pm - 01:30 pm  
Highlights by RANDOX

01:30 pm - 02:30 pm – LUNCH TIME

**Wednesday 30 September – 02:30 pm - 05:00 pm**

02:30 pm - 04:00 pm – SESSION V – ECON-OMICS: BETTER CARE FOR BETTER COST  
Chairs: Georges Dagher, Paris, France / Robin Everts, San Diego, United States  

02:30 pm - 03:00 pm  
Georges Dagher, Paris, France – Is there life between standards?  
03:00 pm - 03:30 pm  
Uwe Oelmueller, Hilden, Germany  
03:30 pm - 04:00 pm  
Adrian LLerena, Badajoz, Spain – PGx implementation in real world of Public Health care systems  
04:00 pm - 05:00 pm – SELECTED ABSTRACTS - ORAL COMMUNICATIONS SESSION  
Chairs: Csilla Sipeky, Turku, Finland / Belgin Süsleyici, Istanbul, Turkey  

6 x 15 min

05:00 pm - 06:00 pm – ESPT GENERAL ASSEMBLY

**Thursday 1 October – 09:00 am - 01:30 pm**

09:00 am – 10:30 am – SESSION VI - 1st part – GENETIC SCREENING & CLINICAL APPLICATIONS  
Chairs: Guillaume Paré, Hamilton Canada / Eric Boerwinkle, Houston, United States  

09:00 am - 09:30 am  
Panagiotis Deloukas, London, United Kingdom – Cardiovascular disease prediction & polygenic risk scores  
09:30 am - 10:00 am  
Guillaume Paré, Hamilton Canada – The rise of the polygenic risk score: Phoenix or Icarus?  
10:00 am - 10:30 am  
Philippe Froguel, Lille, France - Impact of rare variants in metabolic diseases towards personalised medicine  

10:30 am - 11:00 am – Coffee Break

11:00 am – 12:30 pm – SESSION VI – 2nd part – GENETIC SCREENING & CLINICAL APPLICATIONS
Thursday 1 October - 02:30 pm – 05:30 pm

11:00 am - 11:30 am
Robert Barouki, Paris, France – The relevance of non-genomic stressors: deciphering environmental factors for the next decade

11:30 am - 12:00 pm
Georges Dedoussis, Athens, Greece – Omics and Mastiha treatment in NAFLD - The EU Mast4Health program

12:00 pm – 12:30 pm
Eric Boerwinkle, Houston, United States

12:30 pm – 1:30 pm – SESSION VII – DIGITAL HEALTH
Chairs: Alexander Haliassos, Athens, Greece / Michael Marschler, Mannheim, Germany

12:30 pm – 01:00 pm
Alexander Haliassos, Athens, Greece – Mobile Health (mHealth) and Internet of Things (IoT)

01:00 pm - 01:30 pm
Ivan Brandslund, Odense, Denmark – Using artificial intelligence in triage and diagnosis in the emergency ward

01:30 pm - 02:30 pm – LUNCH TIME

02:30 pm - 05:00 pm – SESSION VIII – PHARMACOGENOMICS AND POST-MARKETING APPLICATIONS
Chairs: Charity Nofziger, Salzburg, Austria / Vangelis Manolopoulos, Alexandroupolis, Greece

02:30 pm - 03:00 pm
Marie-Anne Loriot, Paris, France, (HEGP)

03:00 pm - 03:30 pm
Ron van Schaik, Rotterdam, The Netherlands – Pharmacogenetics testing in a health care system

03:30 pm - 04:30 pm
Charity Nofziger, Salzburg, Austria – Efforts of the Pharmacogene Variation Consortium (PharmVar) to facilitate the interpretation of pharmacogenetic test results and guide precision medicine

04:00 pm – 04:30 pm
Maurizio Simmaco, Roma, Italy – Pharmacogenetics implementation in the clinics- an Italian model

05:00 pm – 05:30 pm – CLOSING SESSION – Sofia Siest, Nancy, France