TUESDAY 21 MAY, 2024

02:00 pm - REGISTRATION

02:00 pm - 03:00 pm – 1st dedicated poster session

03:00 pm - 03:30 pm – WELCOME
   Chairs: Sofia Siest, Bernécourt, France / Tomris Ozben, Antalya, Turkey

03:00 pm - 03:10 pm
   Sofia Siest, Bernécourt, France – SCs President

03:10 pm - 03:20 pm
   Tomris Ozben, Antalya, Turkey – IFCC President

03:20 pm - 03:30 pm
   Mario Plebani, Padova, Italy – EFLM President

03:30 pm - 04:30 pm - KEYNOTE LECTURE
   Chairs: Sofia Siest, Bernécourt, France / Tomris Ozben, Antalya, Turkey

   Khosrow Adeli, Toronto, Ontario, Canada
   Reference Interval Harmonization: Harnessing the Power of Big Data Analytics to Derive Common Reference Intervals Across Populations and Testing Platforms

04:30 pm - 04:45 pm – INTRODUCTION TO THE CONFERENCE
   Sofia Siest, Bernécourt, France

04:45 pm - 05:30 pm – PLENARY LECTURE
   Tomris Ozben, Antalya, Turkey
   Multi-omics profiling in the era of cancer precision medicine

05:30 pm - 07:00 pm - General Assembly of the Santorini Conferences (SCs) Association
09:00 am - 11:00 am - SESSION I - Common denominators of chronic diseases - Diagnostics, where we are

*Chairs: John Lamont, Antrim, United Kingdom / Stavroula Kanoni, London, United Kingdom*

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09:00 am - 09:25 am

Behrooz Alizadeh, Gröningen, The Netherlands
Denominators of long-term outcomes in chronic diseases and their implications in personalised medicine

09:25 am - 09:50 am

Helena Murray, Antrim, United Kingdom
VEGF-A a potential biomarker for personalised medicine in chronic diseases

09:50 am - 10:15 am

Mark Ruddock, Antrim, United Kingdom
Early inflammatory and fibrotic biomarkers of NAFLD and NASH

10:15 am - 10:35 am

Magnus Ingelman-Sundberg, Stockholm, Sweden
Use of an in vivo like 3D liver spheroid model for determining mechanisms and regulation of drug metabolism and liver fibrosis under conditions of steatosis and NASH

10:35 am – 11:00 am

Guillaume Paré, Hamilton, Canada
The quest for missing heritability: role of rare variant and gene-environment interactions

11:00 am - 11:30 am - COFFEE BREAK

11:30 am - 12:30 pm - SESSION II - Flash Communications

*Chairs: Candan Hizel Perry, Montreal, Canada / Alexander Haushofer, Wels, Austria*

11:30 am - 11:50 am

Philippe Froguel, Lille, France
Genetic diagnosis and multi-omics clustering for diabetes precision medicine

11:50 am - 12:10 pm

American Society for Nutrition (ASN) - Dante Preciado, Rockville, United States
Best Practices for Earning and Maintaining Public Trust in Nutrition

12:10 pm - 12:30 pm

Georges Dedoussis, Athens, Greece
Personalised nutrition. The paradigm of obesity.

12:30 pm - 01:30 pm - 2nd dedicated poster session

01:30 pm - 02:30 pm - LUNCH TIME
02:30 pm - 03:30 pm - SESSION III - Advances in Cancer detection and treatment with Liquid biopsy
   Chairs: Candan Hizel Perry, Montreal, Canada / Sanja Stankovic, Belgrade, Serbia

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02:30 pm - 03:30 pm
   Klaus Pantel, Hamburg, Germany
   Liquid biopsy: From discovery to clinical implementation

03:00 pm - 03:30 pm
   Catherine Alix-Panabières, Montpellier, France
   The utility of Liquid Biopsy in Immuno-Oncology: an emphasis on circulating tumor cells

03:30 pm - 05:30 pm - SESSION IV - Omics + data science a match made in heaven
   Chairs: Panos Deloukas, London, United Kingdom / Alexander Haliassos, Athens, Greece

03:30 pm - 04:00 pm
   Panos Deloukas, London, United Kingdom
   Functional Analysis of Cardiovascular Disease Risk Variants

04:00 pm - 04:30 pm
   Richard Oram, Exeter, United Kingdom
   Can we predict the future? The utility of genetic risk scores for classification and prediction of autoimmune disease

04:30 pm - 05:00 pm
   Alexander Haliassos, Athens, Greece
   Artificial intelligence in External Quality Assessment - Proficiency Testing schemes (EQA-PT) in Laboratory Medicine

05:00 pm - 05:30 pm - Round Table on Omics

9:00 pm - CONGRESS DINNER AT DE SOL HOTEL
09:00 am - 10:00 am - SESSION V - Immunology versus genomics: A marriage never happened
   
   **Chairs:** Sanja Stankovic, Belgrade, Serbia / Markus Paulmichl, Salzburg, Austria

09:00 am - 09:30 am
   
   Federica Marelli-Berg, London, United Kingdom
   Cardiac inflammation: the relative contribution of autoimmunity and genes

09:30 am - 10:00 am
   
   Perry Elliott, London, United Kingdom
   Myocarditis: The challenge of diagnosis and the opportunities for treatment

10:00 am - 11:00 am - SESSION VI - Immunology biomarkers in Oncology precision
   
   **Chairs:** Eric Quemeneur, Strasbourg, France / Helena Murray, Antrim, United Kingdom

10:00 am - 10:30 am
   
   Eric Quemeneur, Strasbourg, France
   Direct and indirect markers of response to anti-tumor vaccines or oncolytic virotherapy

10:30 am - 11:00 am
   
   Mark Ruddock, Antrim, United Kingdom
   The importance of blood biomarkers in Oncology

**11:00 am - 11:30 am - COFFEE BREAK**

11:30 am - 12:30 pm - SESSION VII - AI-facilitated integrated risk scores: From bench to bedside for personalized medicine
   
   **Chairs:** Stavroula Kanoni, London, United Kingdom / Alexander Haliassos, Athens, Greece

11:30 am - 12:00 pm
   
   Stavroula Kanoni, London, United Kingdom
   Integrated Risk Scores (IRS) for cardiovascular disease risk prediction – Advances towards precision medicine

12:00 pm - 12:30 pm
   
   Aristides Eliopoulos, Athens, Greece
   Digital Twins in Precision Medicine and Personalized Nutrition

12:30 pm - 01:30 pm - SELECTED ABSTRACTS - ORAL COMMUNICATIONS SESSION – 1st part
   
   **Chairs:** Georges Dedoussis, Athens, Greece / Sanja Stankovic, Belgrade, Serbia

12:30 pm - 12:45 pm
   
   Sanja Stankovic, Belgrade, Serbia
   Diagnostic utility of cerebrospinal fluid biomarkers in patients with Alzheimer’s disease...

**01:30 pm - 02:30 pm - LUNCH TIME**
02:30 pm - 04:30 pm - SELECTED ABSTRACTS - ORAL COMMUNICATIONS - 2nd part

04:30 pm - 05:30 pm - VEGF CONSORTIUM (open access)
   
   **Moderator:** Sofia Siest, Bernécourt, France – SCs President

**LECTURE**

Georges Dagher, Inserm, France
Quality matters

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**FRIDAY 24 MAY, 2024**

09:00 am - 10:20 am - SESSION VIII - Pharmacogenomics: Clinical translation - Now and Future – Part I

   **Chairs:** Ron Van Schaik, Rotterdam, The Netherland / Charity Nofziger, Anif/Niederalm, Austria

09:00 am - 09:20 am

Sergio Bernardini, Rome, Italy
Trends in precision medicine, pharmacogenetics as adjuvant in establishing a correct immunosuppressive therapy of kidney transplant

09:20 am – 09:40 am

Candan Hizel Perry, Montreal, Canada
From Pharmacogenomics to Polygenic Risk Score (PRS) for Drug Response Prediction - Are We There Yet?

09:40 am - 10:00 am

Charity Nofziger, Anif/Niederalm, Austria
An in vitro functional assay for determining CYP2D6 enzyme activity.

10:00 am - 10:20 am

Munir Pirmohamed, Liverpool, United Kingdom
Interindividual variability and pharmacogenomics: possible ways forward

10:20 am - 11:00 am - COFFEE BREAK

11:00 am – 13:20 pm - SESSION VIII - Pharmacogenomics: Clinical translation - Now and Future – Part II

   **Chairs:** Candan Hizel Perry, Montreal, Canada / Alexander Haushofer, Wels, Austria

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11:00 am - 11:20 am

Ron Van Schaik, Rotterdam, The Netherlands
Pharmacogenetics in clinical practice: experiences and challenges

11:20 am - 11:40 am

Adrian LLerena, Badajoz, Spain
Patient-centered drug therapy integrating Pharmacogenetics and e-health
11:40 am - 12:00 pm
Markus Paulmichl, Salzburg, Austria

12:00 pm - 12:20 pm
Andrea Griesmacher, Innsbruck, Austria
Pharmacogenetics and its appliance in clinical daily life

12:20 pm - 01:10 pm – PANEL DISCUSSION WITH SPEAKERS ON PHARMACOGENOMICS
moderated by specialists of pharmacogenomics interpretation

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12:20 pm - 12:30 pm
Wolfgang Schnitzel, PharmGenetix

12:30 pm - 12:40 pm
Tiffany Morris, Illumina

12:40 pm - 12:50 pm
Alexander Haushofer, Wels, Austria

12:50 pm - 01:00 pm
Urs Meyer, Basel, Switzerland

01:00 pm - 01:10 pm
Thomas Wilckens, München, Germany

01:10 pm - 1:30 pm - CLOSING SESSION
Chair: Sofia Siest, Bernécourt, France