

THE 10+2 SANTORINI CONFERENCE

26-29 May 2026

SYSTEMS MEDICINE AND PERSONALISED HEALTH & THERAPY

The Odyssey from Hope to Practice:
“Patient first – *keep Ithaca always in your mind*”

PRELIMINARY PROGRAMME

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MEETING VENUE at the conference center of DE SOL Hotel
<https://www.desolspahotel.com/santorini-five-star-hotel-conference/>

TUESDAY 26 MAY, 2026

01:00 pm - **REGISTRATION**

02:00 pm - 02:30 pm – **WELCOME**

Sofia Siest, Bernécourt, France – SCs President
Tomris Ozben, Antalya, Turkey – IFCC President
Tomas Zima, Prague, Czech Republic – EFLM President
Peter Fitzgerald, Antrim, United Kingdom – Founder & Managing Director of RANDOX Laboratories

02:30 pm - 03:15 pm - **KEYNOTE LECTURE**

Chair: Sofia Siest, Bernecourt, France

Philippe Froguel, Lille, France
Unlocking Personalised Medicine in Obesity

03:15 pm – 03:45 pm - **PLENARY LECTURE**

Chair: Sofia Siest, Bernecourt, France

Tomris Ozben, Antalya, Turkey
Green Labs for improving environmental sustainability. What are the Priorities of Medical Laboratories in switching to Green Labs?

03:45 pm - 04:00 pm – **INTRODUCTION TO THE CONFERENCE**

Sofia Siest, Bernécourt, France

04:00 pm - 05:00 pm - **SESSION I – Hot topics in PGx**

Chairs: Mark Ruddock, Antrim, United Kingdom / **Alexander Haushofer**, Wels, Austria

04:00 pm - 04:20 pm

Adrian Llerena, Badajoz, Spain
Pharmacogenomics Implementation in Public Health Care: Medea Initiative

04:20 pm - 04:40 pm

Alexander Haushofer, *Wels, Austria*

Pharmacogenetics: Future Solution or Overstated Promise? A Critical View on the Current Situation

04:40 pm - 05:00 pm

Ferrier Le, *Santa Clara, United States*

Challenges and Considerations in Implementing Personalized Medicine

05:00pm - 06:30 pm - General Assembly of the Santorini Conferences (SCs) association

WELCOME RECEPTION - 07:00 PM - 09:00 PM AT DE SOL HOTEL

WEDNESDAY 27 MAY, 2026

09:00 am - 11:00 am - **SESSION II** – New biomarkers/approaches in disease stratification and therapy to be taken into account in pharmacogenomics?

Chairs: Helena Murray, Antrim, United Kingdom / Behrooz Alizadeh, Groningen, The Netherlands

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09:00 am - 09:30 am

Mark Ruddock, *Antrim, United Kingdom*

Trauma preconditioning of cytokine response: comparison of perioperative cytokine profiles in elective cardiac versus orthopaedic trauma surgery patients

09:30 am - 10:00 am

Ioannis Papassotiriou, *Athens, Greece*

Pharmacogenomics of Sickle Cell Disease Therapeutics

10:00 am - 10:30 am

Behrooz Alizadeh, *Groningen, The Netherlands*

Current approaches to multi-morbidity: A multidisciplinary task for Precision Medicine

10:30 am – 11:00 am

Amélie Bonnefond, *Lille, France*

Contribution of Rare Variants in Identifying New Therapeutic Targets

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

11:30 am - 12:30 pm - **SESSION III** – Molecular advances in therapy using vaccines

Chairs: Federica Marelli-Berg, London, United Kingdom / Tomas Zima, Prague, Czech Republic

11:30 am - 11:50 am

Federica Marelli-Berg, *London, United Kingdom*

Covid-19 mRNA vaccines and autoimmunity

11:50 am - 12:10 pm

Eric Quemeneur, Paris, France

Integrating vaccinomics, precision vaccinology, and computational science into TPP-driven vaccine development

12:10 pm - 12:30 pm

Nikolaos Drakoulis, Athens, Greece

DIVIRNAM®: A novel sustained-release approach to respiratory viral infections

12:30 pm - 01:30 pm – 1st dedicated poster session

01:30 pm - 02:30 pm - LUNCH TIME

02:30 pm - 03:50 pm - SESSION IV – Clinical Relevance of Liquid Biopsy Circulating Biomarkers: Who, What, Where, When, and Why?

Chairs: Catherine Panabieres, Montpellier, France / Alexander Haushofer, Wels, Austria

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02:30 pm - 02: 50 pm

Catherine Alix-Panabières, Montpellier, France

The biology of metastasis-competent circulating tumor cells in colon and breast cancer

02:50 pm - 03:10 pm

Bernhard Strasser, Wels, Austria

Implementation of a Phenotype-Oriented Cardiogenetic Panel for Cardiomyopathies and Arrhythmias in Clinical Practice

03:10 pm - 03:30 pm

Silvia Rocchiccioli, Pisa, Italy

Salivary exosomes as carriers of novel biomarkers in pancreatic cancer

03:30 pm - 03:50 pm

Klaus Pantel, Hamburg, Germany

Liquid biopsy-based detection and characterization of minimal residual disease in solid tumor patients: A new window of opportunity for post-adjuvant therapy

03:50 pm - 05:30 pm - SELECTED ABSTRACTS - ORAL COMMUNICATIONS SESSION

Chairs: Stavroula Kanoni, London, United Kingdom / Enrico Iaccino, Catanzaro, Italy

Vesna Dimitrijevic Sreckovic, Belgrade, Serbia

Effects of the Mediterranean diet on the prevention and treatment of metabolic syndrome and associated disorders

Maria Pagoni, Athens, Greece

Integrated pharmacogenetic signature for the prediction of prostatic neoplasms in men with metabolic disorders

Katerina Apostolaki, Athens, Greece

Genetic Variability in Vascular Endothelial Growth Factor A and Risk of Psoriasis

John Bibidakis, Athens, Greece

Protective Effects of Hydrolyzed Clinoptilolite Zeolite Against Cadmium Toxicity in Human Intestinal Cells

Wei Q. Deng, Hamilton, Canada

Precision Psychiatry Through Intermediate Phenotypes

Halima Bensmail, Doha, Qatar

A Multimodal Precision Oncology Framework for Personalized Drug Suitability Scoring

7:00 pm - CONGRESS DINNER AT DE SOL HOTEL

THURSDAY 28 MAY, 2026

09:20 am – 12:10 pm - **SESSION V (2 Parts)** – Functional tests, reference values, danger in popularisation, AI and pharmacogenomics

Chairs: Khosrow Adeli, Toronto, Ontario / Alexander Haushofer, Wels, Austria

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1st Part: 09:20 am - 11:00 am

09:20 am - 09:40 am

Alexander Haushofer, Wels, Austria

PGx and functional markers in antiaggregating and anticoagulation therapies – Everything clear?

09:40 am - 10:00 am

Khosrow Adeli, Toronto, Ontario, Canada

Clinical Applications of Cardiac Markers in Pediatrics

10:00 am - 10:20 am

Sanja Stankovic, Belgrad, Serbia

Decoding Lp (a): lessons of the past and prospects for the future

10:20 am - 10:40 am

Tomas Zima, Prague, Czech Republic
Cancer screening programmes

10:40 am - 11:00 am

Mark Ruddock, Antrim, United Kingdom
Use of a BMI-independent biomarker-based prostate cancer risk score to identify and triage individuals at risk of prostate disease

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

2nd Part: 11:30 am - 12:10 pm

11:30 am - 11:50 am

Andrea Griesmacher, Innsbruck, Austria
Pharmacogenetics in Routine Clinical Diagnostics: Updated Experience from the Central Laboratory of the University Hospital of Innsbruck

11:50 am - 12:10 pm

Nicolas Picard, Limoges, France
Comprehensive Pharmacogenomics in Psychiatry: From Metabolic Genes to Pharmacodynamic Targets and HLA Typing

12:10 pm - 01:30 pm - **SESSION VI – Key progression steps forward pharmacogenomics**

Chairs: Ron Van Schaik, Rotterdam, The Netherlands / Sergio Bernandini, Rome, Italy

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12:10 pm - 12:30 pm

Ron Van Schaik, Rotterdam, The Netherlands
Improving guidelines in pharmacogenomics

12:30 pm - 12:50 pm

Daniel Hertz, Michigan, United States
Retrospective and Prospective Clinical Studies of DPYD Pharmacogenetics Within an Institutional Genetics Data Repository

12:50 pm - 01:10 pm

Jean Christophe Boyer, Nîmes, France
Predicting life-threatening fluoropyrimidine toxicity beyond DPYD testing

01:10 pm - 01:30 pm

Jérôme Audoux, *Montpellier, France*

Democratizing Pharmacogenomics: Bridging NGS, AI, and Clinical Practice

01:30 pm - 02:30 pm - LUNCH TIME

02:30 pm - 03:50 pm - **SESSION VII** – Personalised Lifestyle as part of Precision Medicine

Chairs: Guillaume Paré, Hamilton, Canada / Aris Eliopoulos, Athens, Greece

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02:30 pm - 02:50 pm

Guillaume Paré, *Hamilton, Canada*

Biobank-scale survey of gene-diet interactions informs precision nutrition polygenic scores

02:50 pm - 03:10 pm

Aristides Eliopoulos, *Athens, Greece*

Brain organoids in personalized nutrition and pharmacotherapy in Obesity

03:10 pm - 03:30 pm

Kalliopi Gkouskou, *Athens, Greece*

Decoding the genetic blueprint of social eating: From empathy to obesity

03:30 pm - 03:50 pm

Nikolaos Tririkos-Karapanos, *Cleveland, United States*

Operating today with the standards of tomorrow - the Metron Nutraceuticals state-of-the-art example

03:50 pm - 05:30 pm - **SESSION VIII** – Predicting Disease risk – are integrated risk scores clinically useful?

Chairs: Behrooz Alizadeh, Gröningen, The Netherlands / Stavroula Kanoni, London, United Kingdom

03:50 pm - 04:10 pm

Stavroula Kanoni, *London, United Kingdom*

Development of a multimodal AI framework for precision cardiovascular risk prediction

04:10 pm - 04:30 pm

Brooke N. Wolford, *Trondheim, Norway*

Proteomics and genomics as risk predictors of cardiometabolic diseases

04:30 pm - 04:50 pm

Behrooz Alizadeh, *Gröningen, The Netherlands*

Predicting of mental diseases

04:50 pm - 05:10 pm

Ammira Akil, *Doha, Qatar*

ML approaches for improved T2D risk stratification in the Qatar Biobank

05:10 pm - 05:30 pm

Richard Oram, *Exeter, United Kingdom*

Use of “digital twin” simulations in healthcare, example(s) from autoimmune disease

FRIDAY 29 MAY, 2026

09:00 am - 10:20 am - **SESSION IX** – Functional genomics, understanding of disease pathophysiology

Chairs: Panos Deloukas, London, United Kingdom / Silvia Rocchiccioli, Pisa, Italy

09:00 am - 09:20 am

Panos Deloukas, London, United Kingdom

Advances on Cardiovascular Genomics

09:20 am – 09:40 am

Fariba Ahmadizar, Utrecht, The Netherlands

Integrating Multi-Omics and Biomarkers for Risk Prediction in Diabetes and Cognitive Health

09:40 am - 10:00 am

Helena Murray, Antrim, United Kingdom

Future-Ready T1D Solutions: Bridging genetics and autoantibody testing

10:00 am - 10:20 am

Federica Marelli-Berg, London, United Kingdom

Role of the host response in Infective Endocarditis

10:20 am - 10:40 am

Alexander Haliassos, Athens, Greece

NGS and AI in prenatal diagnosis: Issues and ethical implications

10:40 am - 11:30 am - **COFFEE BREAK** - [POSTERS AWARDS ATTRIBUTION](#)

11:30 am – 12:10 pm - **SESSION X** – 4P (Prediction, Prevention, Precision and Participation) strategies for obesity and diabetes

Chairs: Amelie Bonnefond, Lille, France / Sanja Stankovic, Belgrad, Serbia

11:30 am - 11:50 am

Philippe Froguel, Lille, France

4P's strategies in diabetes

11:50 am - 12:10 pm

Anita Morandi, Verona, Italie

4P's strategies in obesity

12 :10 pm – 12 :55 pm – **FLASH COMMUNICATIONS** from the Ibero American Network of Pharmacogenetics and Pharmacogenomics (RIBEF)

Coordinator: Adrián Llerena, Badajoz, Spain

12:10 pm - 12:25 pm

Carmen Mata-Martín, Badajoz, Spain

A Universal Implementation in Hispanics (MedeA Cohort)

12:25 pm - 12:40 pm

Carla González de la Cruz, Badajoz, Spain

Pharmacogenetics in a Caribbean Population in the Dominican Republic

12:40 pm - 12:55 pm

Levin Thomas, *Badajoz, Spain*

Application of Antidepressant Pharmacogenomics

12:55 pm - 01:30 pm - **CLOSING SESSION** - **Sofia Siest**, *Bernécourt, France*