

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*”

SCIENTIFIC PROGRAMME

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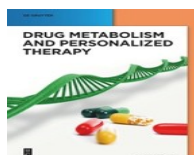
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MEETING VENUE at the conference center of DE SOL Hotel
<https://www.desolspahotel.com/santorini-five-star-hotel-conference/>

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, Bernécourt, France

Philippe Froguel, Lille, France

Unlocking Personalised Medicine in Obesity

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

Chair: Sofia Siest, Bernécourt, 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 - 05:10 pm - SELECTED ABSTRACTS - ORAL COMMUNICATIONS SESSION

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

03:50 pm - 04:00 pm

Vesna Dimitrijevic Sreckovic, *Belgrade, Serbia*

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

04:00 pm - 04:10 pm

Maria Pagoni, *Athens, Greece*

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

04:10 pm - 04:20 pm

Katerina Apostolaki, *Athens, Greece*

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

04:20 pm - 04:30 pm

John Bibidakis, *Athens, Greece*

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

04:30 pm - 04:40 pm

Wei Q. Deng, *Hamilton, Canada*

Precision Psychiatry Through Intermediate Phenotypes

04:40 pm - 04:50 pm

Halima Bensmail, *Doha, Qatar*

A Multimodal Precision Oncology Framework for Personalized Drug Suitability Scoring

04:50 pm - 05:00 pm

Panos Dimitriadis, *Stevenage, United Kingdom*

Risk of malignancy in Thy3 thyroid nodules: a cohort study of 136 patients

05:00 pm - 05:10 pm

Silvia Fanti, *London, United Kingdom*

Single-Cell Analysis Reveals Regulatory T-Cell Dysfunction in Arrhythmogenic Right Ventricular Cardiomyopathy

07:00 PM - GROUP PHOTO followed by the CONGRESS DINNER AT [VOLCANO VIEW 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, *Belgrade, Serbia*

Decoding lipoprotein (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 am - 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 / Jean Christophe Boyer, Nîmes, France

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

Chairs: Guillaume Paré, Hamilton, Canada / Nikolaos Drakoulis, Athens, Greece

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02:30 pm - 03:00 pm

Guillaume Paré, Hamilton, Canada

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

03:00 pm - 03:30 pm

Nikolaos Tririkos-Karapanos, Cleveland, United States

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

03:30 pm - 05:10 pm - **SESSION VIII** – Predicting Disease risk – are integrated risk scores clinically useful?

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

03:30 pm - 03:50 pm

Stavroula Kanoni, London, United Kingdom

Development of a multimodal AI framework for precision cardiovascular risk prediction

03:50 pm - 04:10 pm

Brooke N. Wolford, Trondheim, Norway

Proteomics and genomics as risk predictors of cardiometabolic diseases

04:10 pm - 04:30 pm

Behrooz Alizadeh, Groningen, The Netherlands

Predicting Outcomes in Mental Health Disorders: A Lifecourse-Informed, Multidimensional Framework

04:30 pm - 04:50 pm

Ammira Akil, Doha, Qatar

ML approaches for improved T2D risk stratification in the Qatar Biobank

04:50 pm - 05:10 pm

Richard Oram, Exeter, United Kingdom

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

05:10 pm - 06:10 pm - 2nd dedicated poster session

FRIDAY 29 MAY 2026

09:00 am - 10:40 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

Identification of regulatory variants in vascular genes causing coronary artery disease

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, Belgrade, 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*