23th ISE International Conference on Laboratory Medicine and Pathobiology
An Expert forum on Innovation in Clinical and Laboratory Medical Sciences

ISE2019
June 29 - July 3,
Chios Island, Greece
23th ISE International Conference on Laboratory Medicine and Pathobiology

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Under the auspices of the:

International Society for Enzymology

International Federation of Clinical Chemistry and Laboratory Medicine

National and Kapodistrian University of Athens
Acknowledgements:

- Special Account for Research Grants, National and Kapodistrian University of Athens.
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Diamandis E.P, Scorilas A

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Dear Colleagues

Following the successful International Society for Enzymology Annual Conference 2018 in the island of Naxos, Greece, we are now announcing the next ISE Annual Conference, entitled "The 23th ISE International Conference on Laboratory Medicine and Pathobiology: An Expert forum on Innovation in Clinical and Laboratory Medical Sciences". The conference will take place in the nice island of Chios, Greece, between the dates Saturday June 29 - Wednesday July 3, 2019. Chios Island is a very beautiful and interesting place with exceptional beaches, medieval villages and long history. The conference will be held at the Golden Sand Hotel on the Karfas beach.

As usual, the guiding principles of this Annual Conference are: Top science related to all aspects of laboratory medicine, in a wonderful location, with a limited number of participants. The ISE2019 conference will cover a wide range of themes including, but not limited to: New biomarkers for cancer and other diseases, informatics, automation, genomics, proteomics, epigenomics, transcriptomics, other omics, enzymes in health and disease, theranostics, micro RNAs, long non-coding RNAs, quality assurance, patient safety and harmonization. Presentations on specific diseases are also welcome.

As last year, the meeting will be restricted to a maximum of 50 registrants, on a first-come-first served basis. All participants will be responsible for their expenses and will be invited to present on a topic of their choice, if they wish, as time permits. The meeting expenses will be covered from the registration fees. Spouses and other family members are also welcome.

Please take time to visit the old city of Chios and its surroundings as well as some of the island’s wonderful beaches and villages. You may also combine your trip with a stop in Athens.

We are looking forward to seeing you, your colleagues and your families in Chios for a wonderful scientific meeting and an overall enjoyable experience.

Information: http://ise.biol.uoa.gr

With best wishes
Sincerely,
The Organizers:

Dr. Eleftherios P. Diamandis
Dr. Andreas Scorilas
CONTENTS

Scientific Programme

Invited Speakers’ Abstracts

Poster Abstracts
Day 1-Saturday, 29th June 2019

**15:00 - 17:30** Registration

**17:30 - 18:00** Opening Ceremonies
Eleftherios P. Diamandis & Andreas Scorilas

**18:00 - 19:00** History of Greek Music and of the Island Chios (E. P. Diamandis & I. Prassas)

**19:00 - 19:30** Opening Mixer (Dinner on your own)
Day 2-Sunday, 30th June 2019

Session I: Coordinators: Andreas Scorilas & John Theodoropoulos

09:30 - 09:50. Personalized cancer biomarkers
Eleftherios P. Diamandis

09:50 - 10:10. Robotics meet artificial intelligence
Ivan Brandslund

10:10 - 10:30. History of immunotherapy
Naciye Leyla Acan

10:30 – 11:00 Questions & Discussion

11:00 -11:40 BREAK (e-poster viewing)

Session II: Coordinators: Ivan Brandslund & Naciye Leyla Acan

11:40 - 12:00. Predictive medicine meets Genomics
Francesco Salvatore

12:00 -12:20. Value proposition for advanced molecular diagnostics in cancer
Michael Oellerich
Day 2-Sunday, 30th June 2019

12:20 - 13:00 Questions & Discussion

13:00 - 15:30 Lunch

Session III: Coordinators:
Michael Oellerich & Francesco Salvatore

15:30 - 15:50. Blood collection tubes can affect results
Raffick Bowen

15:50 - 16:10. Functional role of cancer predisposition mutations
Maria Valeria Esposito

16:10 - 16:40 Questions & Discussion
Session IV: Coordinators: Eleftherios P. Diamandis & Petr Jarolim

09:30-09:50. Humility vs Hubris
Nick Bouras

9:50-10:10. Recent advances in cardiac troponins.
Mario Plebani

10:10-10:30. Translational Laboratory Medicine
George Yousef

10:30 - 11:00 Questions & Discussion

11:00 -11:40 BREAK (e-poster viewing)

Session V: Coordinators: Mario Plebani & George Yousef

11:40 -12:00. The latest in diabetes treatments
Steven Boyages

12:00 -12:20. Brain-derived neurotrophic factor in dementias.
Margaret Fahnestock
Day 3-Monday, 1\textsuperscript{st} July 2019

12:20 - 12:40 High sensitivity and ultrasensitive cardiac troponin assays in the clinical laboratories.

Petr Jarolim

12:40-13:00 Questions & Discussion

13:00 -15:30 Lunch

Session VI: Coordinators:
Andreas Scorilas, Margaret Fahnestock

15:30 -15:50. The Kaliderm story
Ioannis Prassas

15:50 -16:10. Molecular cloning of novel alternative splice variants of the human tissue kallikrein (KLK1) and kallikrein-related peptidases (KLKs), using Next-Generation Sequencing (NGS) technology
Christos Kontos

16:10 -16:20. Point-of-care testing
Paul Yip

16:20 -16:50 Questions & Discussion
Session VII: Coordinators:
Steven Boyages & Paul Yip

09:30 - 09:50. TBA
Spyros Garbis

09:50 - 10:10. Drug repurposing and biomarker discovery
Leonidas Alexopoulos

Margaritis Avgeris

10:30 - 10:50. Recent advances in sports medicine
John Theodoropoulos

10:50 - 11:30 Questions & Discussion

13.00-20.00: Visiting the historical meseonic villages of Chios Island
Session VIII: Coordinators:
Spyros Garbis & Ioannis Prassas

09:30 - 09:50. ncRNAs as novel biomarkers in solid tumors.
Andreas Scorilas

09:50 - 10:10. Recent advances in colon cancer
Dalila Darmoul

10:10-10:30. TBA

10:30 - 11:00 Questions & Discussion

11:00 -11:30 CLOSING REMARKS

11:30-13:30 ISE Board meeting
Author Index

Adamopoulos Panagiotis G. ..............................................................................................................................

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