

# 6th NASCE | September 6 - 9 2022 scientific meeting |

Athens, Greece





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## 6th NASCE scientific meeting



## NETWORK OF ACCREDITED SKILLS CENTRES IN EUROPE





M. Emin Aksoy, Istanbul, Turkey



Antikanen Teuvo. Oulu Tampere, Finland Thessaloniki, Greece



Bamidis Panagiotis,



Bergenfelz Anders, Lund, Sweden



Dara o' Keeffe. Dublin, Ireland



Escher Cecilia. Stockholm, Sweden



Athens, Greece



Evangelos. Athens, Greece



Thessaloniki, Greece



Georgiou Evangelos, Giamarellos-Bourboulis Grigoriadis Nikolaos, Hoffmeyer Pierre. Geneva, Switzerland

**September 6-9** 2022

**DIVANI CARAVEL HOTEL** Athens, Greece



Isabelle Van Herzeele., Ghent, Belgium



Izzetoglu Kurtulus, Philadelphia, USA



Kitapcioglu Dilek, Istanbul, Turkey



Mosialos Elias, London, UK



Papagiannakis George, Heraklion, Greece



Athens, Greece



Papalois E. Apostolos, Papalois E. Vassilios, London, UK



Pikoulis Emmanuel, Athens, Greece



Sideris Michail, London, UK



Traynor Oscar, Dublin, Ireland



Tsai Li Fellander. Stockholm, Sweden



Tsoulfas George, Thessaloniki, Greece



Zografos C.George, Athens, Greece



Dear Friends, Dear Colleagues,

We are pleased to welcome you to the international scientific conference entitled "6th NASCE/UEMS Scientific Meeting – New Frontiers in Open Innovation" that will take place on September 6 – 9, 2022 at Divani Caravel Hotel, Athens, Greece.

It is essentially the European Conference on Continuing Education and Continuing Training of Physicians and Health Professionals with emphasis on new technologies (simulation, artificial intelligence, etc.) and the wider modernization of continuing education. NASCE (Network of Accredited Clinical Skills Centres of Europe) is a multidisciplinary joint committee (MJC) of the European Union of Medical Specialists (UEMS). The largest scientific body in Europe with more than 1,6 million MDs. It also has strong links and relations with European Institutions (Commission and Parliament), the other independent European Medical Organizations and the European Medical / Scientific Societies.

From Tuesday, September 6 until Wednesday 7, the Train the Trainers Course, certified by UEMS, will precede the Scientific program (8 – 9 September) and will also include the innovation of the Athens Ideas Meeting (Athens Thoughts for Higher Education and New Stimulation of Ideas), where personalities from the wider scientific spectrum and the intellectual life will be invited.

**September 6 - 9** 2022

We have the honour of inviting internationally-acclaimed keynote speakers for the Conference.

We are also pleased to present abstracts from Europe and worldwide. These abstracts reflect a strong desire from healthcare professionals and students to share their research interests at the Scientific Conference. There will be ample opportunities for the participants to discuss, share and engage in stimulating discussions at the various scientific sessions and presentations.

We look forward to meeting you and wish all an enriching and mind-stimulating experience at the two-day Train the Trainers Course and Scientific Conference of NASCE – UEMS.

We would like to express our Sincere Thanks to our Sponsors, for their Support.

In appreciation,

#### Associate Prof. M. E. Aksov

NASCE Chairman
Director, CASE
Acibaden University

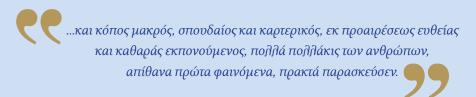
#### A. E. Papalois, PhD

General Secretary NASCE
Visiting Professor
Harvard Medical School

#### Prof. G. C. Zografos

Director, 1st Department of Propaedeutic Surgery University of Athens, Medical School

Presidents of the Scientific Meeting



#### Ιωάννης Καποδίστριας

Πρώτος Κυβερνήτης της Ελλάδος Νομικός, Ιατρός - Χειρουργός



#### **Train the Trainer Course**

Trainers:

#### Dara O'Keeffe

National Surgical Training Centre, RCSI, Dublin, Ireland

#### **Dilek Kitapcioglu**

CASE, Acibadem Mehmet Ali Aydinlar University, Istanbul, Turkey

#### **Cecilia Escher**

Center for Advanced Medical Simulation and Training, Karolinska Institute, Stockholm. Sweden

#### **Michail Sideris**

Royal London Hospital, Barts Health NHS Trust, Queen Mary University of London, UK

**Location:** National and Kapodistrian University of Athens, School of Medicine

**September 6 - 9** 2022

### Tuesday, 6th September, 2022

| 10:30 – 11:00 | WELCOME & INTRODUCTION   | 08:30 - 09:30 | Crisis Resource<br>Management  |
|---------------|--|---------------|--|
| 11:00 – 12:00 | Simulation Modalities  | <br>          | -  |
| 12:00 – 13:00 | LUNCH BREAK  |               | Basic principles of team trainings; communication skills,  |
| 13:00 – 14:00 | Workshop 1 Programming technical skills training by using task trainers            |               | collaboration and decision making  |
|               | within small groups according to specialties/professions.                          | 09:30 - 10:30 | Debriefing techniques  |
| 14:00 – 15:00 | Workshop 2   | 10:30 – 10:45 | COFFEE BREAK   |
|               | Assessment of technical skills and non-technical skills in a simulated environment | 10:45 – 12:00 | Preparing teamwork scenarios by actively involving the participants as trainers  |
| 15:00 – 16:00 | Practicing teamwork scenarios by actively involving the participants               | 12:00 – 13:00 | LUNCH BREAK  |
|               | as learners  | 13:00 - 16:00 | Workshop 3 Programming simulation sessions within small groups according to specialties/professions.  Pre-briefing Familiarization Scenario Debriefing |

Wednesday, 7th September, 2022

**16:00 – 16:30** CERTIFICATION



### **Athens Scientific Meeting Program**

#### Thursday, 8th September, 2022

**08:00 – 08:30** REGISTRATION

**08:30 – 09:00** OPENING SPEECH

M. E. Aksoy

A. E. Papalois, G. C. Zografos

09:00 - 10:30 Session I

Chair: A. Bergenfelz, A.E. Papalois

Neurology, Neuroscience and Training

Speaker: N. Grigoriadis

XR Computational Medicine: New Frontiers in Simulation -Based, Healthcare VR Training

Speaker: G. Papagiannakis

Serious Game Based Applications for Medical Training

Speaker: M.E. Aksoy

**10:30 – 11:00** COFFEE BREAK

**11:00 – 12:00 Session II** Chair: O. Traynor

Implementing and Surveying Simulation Centers Worldwide for 15 Years: Lessons Learned

Speaker: E. Georgiou

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Complementary leading to knowledge acquisition and inter-professional training: the COVID-19 experience
Speaker: E. Giamarellos-Bourboulis

12:00 - 13:00 LUNCH BREAK

13:00 – 13:30 **Session III** 

Chair: L. F. Tsai, G. Tsoulfas

NASCE Vision, Mission and Accreditation Process. Why? Benefits. The future of Education and Training Speakers: A. E. Papalois, G. Tsoulfas

13:30 -14:30 Abstracts Session

**14:30 – 15:00** COFFEE BREAK

15:00 - 16:00 **Session IV** 

Chair: T. Antikanen

**Selected Oral Presentations** 

16:00 – 17:00 **Session V** 

Chair: I. Van Herzeele
COVID-19 Pandemic

and Lessons

Speaker: E. Mosialos

Simulation Based Training for The Medical Schools' Students

Speaker: M. Sideris

**19:30** GALA DINNER

#### Friday, 9th September, 2022

08:30 - 09:30 Session VI

Chair: A. E. Papalois

**Oral Presentations** 

09:30 - 10:30 Session VII

Chair: M. E. Aksoy

Optical Brain Imaging to Quantify Performance and Experience in Simulation Based Training for Clinical

Skills

Speaker: K. Izzetoglu

Digital Technology- A.I. and New Implementations-Digital Clinics, Digital Doctor

Speaker: P. Bamidis

**10:30 – 11:00** COFFEE BREAK

## 6<sup>th</sup> NASCE scientific meeting

## NETWORK OF ACCREDITED SKILLS CENTERS IN EUROPE

11:00 - 12:30

**Session VIII** 

Chair: D. O' Keeffe

Leadership in Education and Training-Team Work and New Technology

Speaker: P. Hoffmeyer

Global Trauma Education for MDs and H/C Professionals. The CPD strategy and activity of the National and Kapodistrian University of Athens

Speaker: E. Pikoulis

The CME - CPD in Europe, the UEMS perspective

Speaker: V. E. Papalois

12:30 - 13:00

LIGHT LUNCH & COFFEE BREAK Farewell for the NASCE/UEMS Scientific Meeting

#### ----- Abstracts -

|   | Title   | Authors   |  |
|---|---|---|--|
|   |   | Kalliopi Athanassiadi, Evangelia  |  |
|   |   | Liverakou, Evangelia Chatzimichali,   |  |
| 1                                       | Uniportal Videothoracoscopic Surgery On Awake   | Filippos Rorris, Ioannis Alevizakis,  | Oral Presentation                                      |
| 1                                       | Patients  | Ioanna Sigala, Niki Gianniou,   | Oral Presentation                                      |
|   |   | Aikaterini Katsandri, Ioannis   |  |
|   |   | Kalomenidis, Spyridon Zakynthinos   |  |
|   | In-Situ Simulation to Prepare Staff For Work in A   | Cecilia Escher, Elisabeth Nagy, Johan   |  |
| 2                                       | New Operating Department  | Creutzfeldt , Lisbet Meurling   | Oral Presentation                                      |
|   | New Operating Department  | Gilles Soenens, Bart Doyen, Lauren  |  |
| Assessing Endovascular Team Performance |   | Gordon, Peter Vlerick, Frank  |  |
| 3                                       | Hybrid Room Using A Comprehensive Data Capture  | Vermassen. Teodor Grantcharov.  | Oral Presentation                                      |
|   | Platform: Prospective Cohort Study  | Isabelle Van Herzeele   |  |
|   |   |   |  |
|   | International Implementation of A Proficiency   | Gilles Soenens, Jonathan Lawaetz,   |  |
| 4                                       | Based Stepwise Endovascular Curricular Training   | Anne-Sophie Bamelis, Leizl Joy  | Oral Presentation                                      |
|   | (Prospect) in Daily Practice  | Nayahangan, Lars Konge, Jonas   |  |
|   |   | Eiberg, Isabelle Van Herzeele   |  |
|   | Multiprofessional in Situ Emergency Laparotomy  | Marika Ylönen, Paavo Paajanen, Tiia   |  |
| 5                                       | Simulation Training Course in Ruptured Abdominal  | Kukkonen, Paulus Torkki, Juha   | Oral Presentation                                      |
| -                                       | Aneurysm – Learning Outcomes, Costs And Real-   | Paloneva, Eerika Rosqvist   | Order resemble   |
|   | Life Patient Outcomes   |   |  |
|   |   | Dimosthenis Chrysikos, Panagiotis   |  |
|   |   | Giavopoulos, George Tsikouris, George   |  |
|   |   | Tsakotos, Ioannis Antonopoulos,   |  |
|   |   | Alexandra-Regina Tsantili, Dimitrios  |  |
| _                                       | The Modern Method of Education in The Field of  | Filippou, Vasileios Protogerou, Maria   |  |
| 6                                       | The Surgical Anatomy  | Piagkou, Vasileios Karampelias,   | Oral Presentation                                      |
|   | The saligheer randomy   | Theano Demesticha, Theodore Troupis   |  |
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|   |   | tonnels Antononoulos Sunsafin   |  |
|   |   | Ioannis Antonopoulos, Evmorfia  |  |
| _                                       | The "Onals-Project": Nkua Students' Perspective On  | Pechlivanidou, Maria Piagkou,   |  |
| 7                                       | Interactive Online Anatomy Labs During Covid-19.  | Dimosthenis Chrysikos, Alexandros   | Oral Presentation                                      |
|   |   | Samolis, George Tsikouris, Panayiotis   |  |
|   |   | Yiavopoulos, Theodore Troupis.  |  |
|   | Preparing The Future Proof Healthcare Leaders:  |   |  |
|   | Learnings From The Training Course For Doctors  | George Dafoulas, Kostas Roditis,  |  |
| 8                                       | Organized By The Copenhagen Institute For Futures   | Antanas Montvila, Joe-Max Wakim,  | Oral Presentation                                      |
|   |   | Bogi Eliasen, Emilie Balk-Møller,   | Oral Presentation                                      |
| 8                                       | Studies, The Standing Committee Of European   |   |  |
| 8                                       | Studies, The Standing Committee Of European Doctors And The European Junior Doctors   | Christiaan Keijzer, Sara Roda, Sarada   |  |
| 8                                       |   | <del>-</del>  |  |
|   | Doctors And The European Junior Doctors   | Christiaan Keijzer, Sara Roda, Sarada   |  |
| 9                                       | Doctors And The European Junior Doctors Association.  | Christiaan Keijzer, Sara Roda, Sarada<br>Das.<br>Minna Ruoranen, Teuvo Antikainen,  | Selected Oral Presentation                             |
|   | Doctors And The European Junior Doctors   | Christiaan Keijzer, Sara Roda, Sarada<br>Das.<br>Minna Ruoranen, Teuvo Antikainen,<br>Anneli Eteläpelto   | Selected Oral Presentation                             |
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|   | Doctors And The European Junior Doctors Association.  Guidance for Learning In Surgical Training  | Christiaan Keijzer, Sara Roda, Sarada<br>Das.<br>Minna Ruoranen, Teuvo Antikainen,<br>Anneli Eteläpelto<br>Eva FEIGERLOVA MD,PhD, Nicla<br>SETTEMBRE MD,PhD, Hind HANI,   | Selected Oral Presentation  Selected Oral Presentation |
| 9                                       | Doctors And The European Junior Doctors Association.  Guidance for Learning In Surgical Training  Integrative Learning Through Simulation:  | Christiaan Keijzer, Sara Roda, Sarada<br>Das.<br>Minna Ruoranen, Teuvo Antikainen,<br>Anneli Eteläpelto<br>Eva FEIGERLOVA MD,PhD, Nicla<br>SETTEMBRE MD,PhD, Hind HANI,<br>Sergueï MALIKOV MD,PhD,Marc  |  |
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| 9                                       | Doctors And The European Junior Doctors Association.  Guidance for Learning In Surgical Training  Integrative Learning Through Simulation: Experience from Virtual Hospital of Lorraine.  ABC of surgical teaching: time to consider a global                                   | Christiaan Keijzer, Sara Roda, Sarada<br>Das.<br>Minna Ruoranen, Teuvo Antikainen,<br>Anneli Eteläpelto<br>Eva FEIGERLOVA MD,PhD, Nicla<br>SETTEMBRE MD,PhD, Hind HANI,<br>Sergueï MALIKOV MD,PhD,Marc<br>BRAUN MD,PhD<br>Michail Sideris, Elif Iliria Emin, John<br>Gerrard Hanrahan, Funlayo Odejinmi,<br>Rebecca Mallick, Marios Nicolaides,<br>George Velmahos, Thanos<br>Athanasiou, George C. Zografos,   | Selected Oral Presentation                             |
| 9                                       | Doctors And The European Junior Doctors Association.  Guidance for Learning In Surgical Training  Integrative Learning Through Simulation: Experience from Virtual Hospital of Lorraine.  ABC of surgical teaching: time to consider a global blueprint for holistic education. | Christiaan Keijzer, Sara Roda, Sarada<br>Das.<br>Minna Ruoranen, Teuvo Antikainen,<br>Anneli Eteläpelto<br>Eva FEIGERLOVA MD,PhD, Nicla<br>SETTEMBRE MD,PhD, Hind HANI,<br>Sergueï MALIKOV MD,PhD,Marc<br>BRAUN MD,PhD<br>Michail Sideris, Elif Iliria Emin, John<br>Gerrard Hanrahan, Funlayo Odejinmi,<br>Rebecca Mallick, Marios Nicolaides,<br>George Velmahos, Thanos<br>Athanasiou, George C. Zografos,<br>Vassilios Papalois, Apostolos Papalois | Selected Oral Presentation                             |



#### **NASCE/UEMS SCIENTIFIC MEETING - FACULTY**

#### **Presidents of the Scientific Meeting**

#### Associate Prof. M. E. Aksoy

NASCE Chairman
Director, CASE
Acibaden University

#### A. E. Papalois, PhD

General Secretary NASCE Visiting Professor Harvard Medical School

#### Prof. G. C. Zografos

Director, 1st Department of Propaedeutic Surgery University of Athens, Medical School

**September 6 - 9** 2022

#### NASCE Executive Board ———

| Chairman           | Emin Aksoy               | Turkey  | Family Medicine /<br>Biomedical Eng. | CASE Acibadem<br>University                 |
|--------------------|--------------------------|---------|--------------------------------------|---|
| Secretary          | Apostolos E.<br>Papalois | Greece  | Instructor, President                | Scientific Council SUBRE<br>AUTh.           |
| Treasurer          | Teuvo<br>Antikainen      | Finland | Surgery                              | Jyväskylä University                        |
| Member at<br>Large | Li Felländer-<br>Tsai    | Sweden  | Orthopaedic Surgery                  | Karolinska University,<br>Stockholm, Sweden |
| Chairman of<br>ARB | Isabelle van<br>Herzele  | Belgium | Vascular Surgery                     | Ghent University<br>Hospital, Belgium       |

## 6<sup>th</sup> NASCE scientific meeting

## NETWORK OF ACCREDITED SKILLS CENTERS IN EUROPE

#### **Accreditation and Review Board Members**

| Chairman         | Isabelle Van<br>Herzeele | Belgium | Vascular Surgery   | Ghent University<br>Hospital, Belgium   |
|------------------|--------------------------|---------|--------------------|---|
| Vice<br>Chairman | Dara O'Keeffe            | Ireland | Surgical education | Royal College of<br>Surgeons of Ireland |
| ARB              | Anders<br>Bergenfelz     | Sweden  | Surgery            | Lund University                         |
| ARB              | Oscar Traynor            | Ireland | Surgery            | Royal College of<br>Surgeons of Ireland |
| ARB              | Paul Ridgway             | Ireland | Surgery            | Royal College of<br>Surgeons of Ireland |

**September 6 - 9** 2022

| ARB | Emin Aksoy               | Turkey  | Family Medicine / Biomedical Eng.  | CASE Acibadem<br>University                |
|-----|--------------------------|---------|--|--|
| ARB | Teuvo Antikainen         | Finland | Surgery  | Jyväskylä University                       |
| ARB | Li Felländer-Tsai        | Sweden  | Orthopaedic Surgery  | Karolinska University<br>Stockholm, Sweden |
| ARB | Juriy Wladimiroff        | UK      | Obstetrics & Gyn   |  |
| ARB | Dilek Kitapcioglu        | Turkey  | Anaesthesiology  | CASE Acibadem<br>University                |
| ARB | Erhan Sayali             | Turkey  | Family Medicine  | CASE Acibadem<br>University                |
| ARB | Vinod Singhal            | Dubai   | Surgery  |  |
| ARB | Nicla Settembre          | France  | Vascular Surgery   | University of Lorraine                     |
| ARB | Wouter Willaert          | Belgium | Surgery  | Ghent University                           |
| ARB | Apostolos E.<br>Papalois | Greece  | Instructor, President  | Scientific Council<br>SUBRE AUTh.          |
| ARB | Cecilie Våpenstad        | Norway  | Technology enhanced<br>learning in laparoscopy and<br>endovascular surgery | NSALK                                      |
|     |                          |         |  |  |



#### **Secretaries of Organizing – Scientific Committee**

Eleni G. Zografou Constantinos G. Zografos Stavroula A. Kiamili Christina Kontogoulidou Nefeli Beri Helen Gretsa

#### **Keynote Speakers and Chair**

#### **Aksoy Mehmet Emin**

MD, PhD, Associate Professor, Acibadem University – Center of Advanced Simulation and Education, President of NASCE Executive Board, Co-Chair NASCE Scientific Meeting, Istanbul, Turkey

#### **Antikanen Teuvo**

MD, PhD Professor, NASCE Executive Board, Center of Medical Expertise, University of Oulu, University of Tampere Finland

#### Bamidis Panagiotis D.

Professor of Medical Physics, Medical Informatics, Medical Education Director, Lab of Medical Physics and Digital Innovation Lead, Medical Education Innovation & Research Unit, Special Unit for Biomedical Research and Education School of Medicine Aristotle University of Thessaloniki, Greece

#### **Bergenfelz Anders**

MD, PhD, FEBS, Founder President of NASCE, Faculty of Medicine, Lund University, Department of Clinical Sciences – Lund, Section V – Surgery, Skåne University Hospital, Lund Sweden

#### **Escher Cecilia**

MD, PhD, Senior Consultant in Anesthesia and Intensive Care, Stockholm, Sweden Center for Advanced Medical Simulation and Training, Karolinska Institute, Stockholm, Sweden

#### **Georgiou Evangelos**

MD, PhD, Professor Emeritus, Athens University Medical School (Greece), Immediate Past Chair of ACS-AEI International Committee (USA), Visiting Professor, Yale University School of Medicine, USA

**September 6 - 9** 2022

#### Giamarellos - Bourboulis Evangelos J.

MD, PhD, FISAC, Professor of Internal Medicine, Director: Master (MSc) Program of Infectious Diseases, 4th Department of Internal Medicine, ATTIKON University

Hospital, Greece

Chairman: European Sepsis Alliance, Past – President: European Shock Society,

Coordinator: Hellenic Sepsis Study Group (www.sepsis.gr)

#### **Grigoriadis Nikolaos**

MD, PhD, Professor of Neurology,
Gen. Secretary of the Hellenic Neurological Society
Head of the 2nd Department of Neurology
Laboratory of Experimental Neurology
and Neuroimmunology
and the Multiple Sclerosis Center
AHEPA University Hospital
Aristotle University of Thessaloniki
Affiliated Collaborator
Institute of Applied Bioscience
Centre for Research and Technology - Hellas,
Thessaloniki, Greece

#### **Hoffmeyer Pierre**

MD, PhD, Professor of Orthopaedic Surgery, President SWISS Foundation for Innovation and Training in Surgery (SFITS), Switzerland

#### Izzetoglu Kurtulus

Associate Professor, School of Biomedical Engineering, Science and Health Systems, Drexel University, Philadelphia, PA, U.S.A.

#### Kitapcioglu Dilek

MD, PhD Assistant Professor, CASE, Acibadem Mehmet Ali Aydinlar University, Accreditation Review, Board Member of NASCE, Istanbul, Turkey

#### **Mosialos Elias**

MD, MSc, PhD, Professor of Health Policy and Management, Imperial College of Science, Technology and Medicine, Professor of Health Policy, The London School of Economics and Political Science – LSE, London, UK

#### Li Felländer Tsai

MD, PhD, Professor, President EFFORT, Member at Large, NASCE Executive Board, Accreditation and Review Board of NASCE, Karolinska Institutet and Karolinska University Hospital. Sweden

#### O'Keeffe Dara

MB BCh BAO BMedSci MRCS MHPE DipHCM, Simulation Lead in Postgraduate Surgical Education, Royal College of Surgeons in Ireland, Vice Chairman, Accreditation and Review Board NASCE, Ireland

#### Papagiannakis George

Professor, Department of Computer Science, University of Crete, Associated Faculty Member, Institute of Computer Science, Foundation for Research & Technology – Hellas (FORTH), Visiting Professor, Centre Universitaire d'Informatique (CUI), University of Geneva, Geneva, Switzerland

#### Papalois Apostolos

PhD, KGSJ, AMACS, Co-Chair NASCE Scientific Meeting Secretary General NASCE Executive Board and Member Accreditation Review Board President, Scientific Council, SUBRE AUTh Head, Translational Research and Education HEAL Academy National Committee for Experimental Research Scientific Council for HR and Skills, National Committee for Research and Innovation Visiting Professor, Harvard Medical School Athens, Greece

## 6<sup>th</sup> NASCE scientific meeting

## NETWORK OF ACCREDITED SKILLS CENTERS IN EUROPE

#### **Papalois Vassilios**

MD, PhD, FICS, FRCS, FEBS, Professor, President, UEMS Executive Board, Director, Transplantation Surgery, Imperial College, NHS Trust, United Kingdom, Deputy President, Onassis Cardiac Surgery Center, London, UK

#### **Pikoulis Emmanouel**

MD, PhD, Professor, Dean, School of Health Sciences, National and Kapodistrian University of Athens Director, 3rd Department of Surgery, University of Athens, School of Medicine, Attikon University Hospital, Athens, Greece

#### Psaltopoulou-Dimomoulou Theodora

MD, PhD, Internist, Professor of Epidemiology and Preventive Medicine, National and Kapodistrian University of Athens School of Medicine. Co-Chair Athens Ideas Meeting

#### Sideris Michail

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**September 6 - 9** 2022

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