

SELENIUM

FROM CHEMISTRY
TO CLINICAL
MEDICINE

Celebrating **200** YEARS since the first publication on Selenium
1818 2018



Gaia Centre
Goulandris Natural History Museum
Athens, Greece

30/11-01/12 2018

Scientific
Programme



Organized by



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Congress - Secretariat



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Gaia Centre

Goulandris Natural History Museum
Athens, Greece

Organizing & Scientific Committee

Chair: *Leonidas Duntas (Athens)*
Panos Zirogannis (Athens)

Honorary: *Jacques Dumont (Brussels)*

Members: *Dimitrios Goulis (Thessaloniki)*
Josef Köhrle (Berlin)
Margaret P. Rayman (Surrey)
Anthony Tsarbopoulos (Athens)
Fali Voyatzaki (Athens)



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Welcome

Ladies and Gentlemen,
Dear Colleagues and Friends,

On behalf of the Organizing Committee, I would like to warmly welcome you all to Athens on the Occasion of the **Celebration of the 200 years, 1818–2018**, since the discovery of and the first publication on Selenium. The discovery of the trace element Selenium was a milestone in the science of minerals, an achievement that, 150 years after its discovery, paved the way to bringing nutrition closer to clinical medicine. The revelation that Se is not the toxic element that it had been thought exclusively to be for many decades (and is of course at high concentrations), but an essential element for life on earth, was fully corroborated by pivotal research studies. These studies, made in the fields of chemistry, molecular biology and medicine, revealed the numerous actions of selenium in redox mechanism, its anti-inflammatory and anti-cancer properties and its important role in regulating metabolism and disease. Many aspects of this amazing element have thus in recent times been discovered and surely many more will be elucidated in the years to come.

Two hundred years after its discovery, Selenium continues to attract growing scientific interest and due to its lunar-selene glow, and mystery, stimulates constant multidisciplinary research.

This Meeting in Athens to celebrate the second centennial of Selenium is, in this context, an exceptional event, bringing together scientists from many countries of Europe, East, West, North and South, to honor those who have so importantly contributed to the many advances in selenium research and thus to the improvement of millions of lives.

A very cordial welcome to this special Meeting on Selenium!



Leonidas Duntas



30/11-01/12 2018

Gaia Centre

Goulandris Natural History Museum
Athens, Greece

Scientific Programme

Friday 30th November 2018

15:00 - 16:00 Registration

16:00 - 16:45 Welcome Addresses

- Vice President of the Goulandris Natural History Museum **Mrs Fali Voyatzaki**
- President of the European Thyroid Association **Professor Laszlo Hegedüs**
- President of the Hellenic College of Pediatrics **Professor George Chrousos**
- President of the Hellenic Association for the Study of Obesity, Metabolism & Eating Disorders **Dr. George Panotopoulos**

Opening Lectures

16:45 - 17:00 **Panos Ziogiannis (Athens)**

From Hippocrates to periodic system and Selenium.

17:00 - 17:15 **Peter PA Smyth (Dublin, Galway)**

Fifty years of the ETA: The Selenium connection.

17:15 - 17:30 **Leonidas Duntas (Athens)**

Why "Selenium 2018".

Special Lecture

Chair: **Georgios Dedoussis (Athens)**

17:30 - 18:00 **Margaret P. Rayman (Surrey)**

Selenium intake and health: a complex relationship.

Selenium infertility and pregnancy

Chair: **Josef Köhrle (Berlin), Dimitris Goulis (Thessaloniki)**

18:00 - 18:30 **Gesthimani Mintziori (Thessaloniki)**

The multifarious role of selenium in infertility.

18:30 - 19:00 **Alicja Hubalewska-Dydejczyk (Krakow)**

Pregnancy, thyroid and potential use of selenium.

19:00 - 19:30 Honorary Lecture:

Jacques Dumont (Brussels)

Evolving research on selenium and thyroid: endemic cretinism, selenium and ROS.

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Scientific Programme

Saturday 1st December 2018

Selenium and Thyroid I

Chair: **Ulla Feldt-Rasmussen (Copenhagen), Krystallenia Alexandraki (Athens)**

- 09:00 - 09:30** **Josef Köhrle (Berlin)**
The actions of selenium in the thyroid.
- 09:30 - 10:00** **Corin Badiu (Bucharest)**
Selenium involvement into mitochondrial function in thyroid disorders.
- 10:00 - 10:30** **Leonidas Duntas (Athens)**
The protective role of selenium in thyroid autoimmunity and inflammation.
- 10:30 - 11:00** **Laszlo Hegedüs (Odense)**
Treating autoimmune thyroiditis with selenium: challenges and perspectives.

11:00 - 11:30 **Coffee Break**

Selenium and Thyroid II

Chair: **Margaret Rayman (Surrey), Melpomeni Peppas (Athens)**

- 11:30 - 12:00** **Tomasz Bednarczuk (Warsaw)**
Challenges and perspectives of selenium supplementation in Graves' Disease and Ophthalmopathy.
- 12:00 - 12:15** **Ulla Feldt-Rasmussen (Copenhagen)**
The GRASS and the CATALYST studies: what do we expect?
- 12:15 - 12:45** **Christine Kanaka-Gantenbein (Athens)**
Selenium supplementation in children.
- 12:45 - 13:15** **Anna Kipp (Jena)**
Selenium in gastrointestinal and thyroid tumors.



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Scientific Programme

Saturday 1st December 2018

13.15 - 15.00 Break

Selenium and Metabolism

Chair: **Peter PA Smyth (Dublin, Galway), Evanthia Diamanti-Kandarakis (Athens)**

15:00 - 15:30 **Stergios A. Polyzos (Thessaloniki)**
Selenoprotein P in non-alcoholic steatohepatitis.

15:30 - 16:00 **Lutz Schomburg (Berlin)**
The facts in the role of selenium in obesity and diabetes mellitus.

16:00 - 16:30 **Costas Phenekos (Athens)**
Selenium in bone diseases.

16:30 - 17:00 **Nikolay Solovyev (Ghent)**
Selenoprotein P and Alzheimer disease.

17:00 - 17:30 **Anthony Tzarbopoulos (Athens)**
Therapeutic Strategies for Alzheimer's Disease: The potential role of selenium.

17:30 - 18:00 Interactive networking and conclusions.

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Faculty

Krystallenia Alexandraki

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Corin Badiu

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Laszlo Hegedüs

M.D., DMSc, Professor and Consultant Physician, Immediate Past President, Danish Thyroid Association, President, European Thyroid Association, Department of Endocrinology and Metabolism, Odense University Hospital, Odense, Denmark

Alicja Hubalewska-Dydejczyk

Professor, M.D., PhD, Head of the Chair and Endocrinology Department Jagiellonian University, Medical College, Krakow, Poland



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Faculty

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Panos Ziogiannis

Dr., Nephrologist, President of the Hellenic Society for the Dissemination of the Hippocratic Spirit, Athens, Greece

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General Information

Dates

Friday 30 November - Saturday 1 December 2018

Venue

Gaia Centre

Goulandris Natural History Museum
Othonos 100, 145 62 Kifissia
Athens, Greece
Website: www.gnhm.gr

Language

The official language of the congress is English.

Registration

Registration fees (per participant)

150,00 €

The registration fees include:

- Admission to all scientific sessions
- Admission to the exhibition area
- Congress Material
- Certificate of Attendance

The registration fees do not include VAT 24%.

Accreditation

The congress has been accredited by the Panhellenic Medical Association with **10 CME-CPD Credits**, according to the UEMS-EACCME® criteria.





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Acknowledgements

The Organizing & Scientific Committee of the Meeting would like to express their sincere gratitude to the following sponsors for their support:



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GOULANDRIS NATURAL HISTORY MUSEUM

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free spirit
Getting you there!

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