



European
University Cyprus

LAUREATE INTERNATIONAL UNIVERSITIES



THURSDAY 2-11-2017

5th International Bio-Medical Scientific Cyprus Congress

School of Medicine, European University Cyprus

November 2 - 4, 2017

(Institutionalized by the Cyprus Medical Association, 15 C.M.E)

12.30 – 1:45

Registration / Coffee

Opening Ceremony

1:45 – 2:10

Introduction to the EUC School of Medicine

Saxophone Ensemble of EUC

The Saxophone Quartet of European University Cyprus will present a varied program with works from Italy, USA, Spain/Greece and Ireland. The quartet is comprised of **Karl Tipp (Estonia)** – soprano saxophone, **Vicky Sifaka (Greece)** – alto saxophone, **Christos Papadopoulos (Cyprus)** – tenor saxophone and **Nicos Kaiafas (Greece)** – baritone saxophone.

Associate Professor Yiannis Miralis Conductor

2:15 – 2:45

Welcome Addresses

Prof. Dr Ioannis Patrikios

Congress Chair and Acting Chair of the School of Medicine,
European University Cyprus

Prof. Dr Georgios Petrikos

Dean of the School of Medicine, European University Cyprus

Prof. Kostas Gouliamos

Rector, European University Cyprus

Representatives of Cypriot Government and Cyprus

Medical Association

- General Director of Health, Ministry of health on Behalf of the President N. Anastasiades Dr. Christina Yianaki
- President of Parliament, Mr Demetris Silouris
- President of Cyprus Medical Association, Dr Petros Agathaggelou

Advances in Cardiology

Cardiology Research and New Potential Treatment Approaches

2:45 – 3:10

Prof. Dr Gerasimos Filippatos

University of Athens

Cardiorenal syndrome: From bench to bedside and back

Chairs: Petros Agathaggelou, Dimitrios Farmakis

3:10 – 3:35

Prof. Dr Filippos Triposkiadis

Director, Department of Cardiology Larissa University Hospital, Larissa, Greece

Left Ventricular Ejection Fraction: An Index of Left Ventricular Systolic Function?

Chairs: Petros Agathaggelou, Christos Eftichiou

3:35 – 3:55

COFFEE and Snack

3:55 – 4:20

Prof. Dr Charis Antoniades

Oxford University Hospitals NHS Foundation Trust

Perivascular adipose tissue as a window to the coronaries

Chairs: Petros Agathaggelou, Christos Eftichiou

4:20 – 4:45

Prof. Dr Vassilios Vassilikos

Medical School, Aristotle University of Thessaloniki

Atrial fibrillation: what do we know and what we can do in

2017

Chairs: Stylianos Hadjistillis, Michalis Neofytou

4:45 – 5:10

Ass. Prof. Dr Konstantinos Toutouzas

University of Athens

New advances in percutaneous treatment of aortic and mitral valve

Chairs: Stylianos Hadjistillis, Michalis Neofytou

5:10 – 5:30

COFFEE

5:30 – 5:55

Prof. Dr Stavros Konstantinides

University of Mainz, Germany; Democritus University of Thrace, Greece

The Transition from Acute Pulmonary Embolism to Chronic Thromboembolic Pulmonary Hypertension: Pathophysiology, Clinical Course, and Implications for Patient Management and Follow-up

Chairs: Georgios Georgiou, Economides Evagoras

5:55 – 6:20

Dr Giorgos Andrikopoulos

Director of Electrophysiology and Pacing department, Henry Dunant Hospital Center, Athens, Greece

Prevention and Treatment of Ischemic Heart Disease and Atrial Fibrillation

Chairs: Economides Evagoras, Georgios Georgiou

6:20 – 6:45

Ass. Prof. Dr Ingeborg Friehs

Department of Cardiac Surgery, Boston Children's Hospital and Harvard Medical School, Boston MA

Mitochondrial transplantation - a novel therapy for cardiac disease

Chairs: Dimitrios Farmakis, Elpida Nikolousi

6:50 – 8:30

Room: Amphitheater
Alpha

Under The Auspices of the Cyprus Society of Cardiology

In Parallel to the Program: Satellite workshop **: Update on Thrombosis Therapeutic approach – Presentation and discussion of cases**

Prof. Dr Gerasimos Filippatos : Heart Failure and Anticoagulation

Prof. Dr Stavros Konstantinides : Deep Vein Thrombosis and Pulmonary Embolism (DVT /PE)

Dr Andrikopoulos Giorgos : Diagnosis, Cardioversion and Ablation of Atrial Fibrillation (AF). Clinical Dilemmas on Thromboembolic Risk Management of AF.

Ass. Prof. Dr Konstantinos Toutouzas : AF– Coronary Artery Disease (CAD)-Percutaneous Coronary Intervention

Prof. Dr Filippos Triposkiadis : Current Management of Heart Failure with Reduced Ejection Fraction

Prof. Dr Vassilios Vassilikos : Hemoptysis and dyspnea in a patient after atrial fibrillation ablation

Chair/Moderation: Petros Agathaggelou (president of Cyprus Medical Association) and Georgios Georgiou (president of Cyprus Cardiology Association)

6:50 – 8:15

Room: Omega

Under The Auspices of Cyprus Neurological Society

In Parallel to the Program: Satellite workshop **: Update on Multiple Sclerosis Therapeutic approach – Presentation and discussion of cases**

George Hadjigeorgiou
Nikos Grigoriadis
Angelos Gregoriou
Marios Pantzaris

Chair/Moderation: Michaelides Costas (**president of Cyprus Neurological Society**)

8:30 – 9:15

Wine & Cheese

FRIDAY 3-11-2017

8:00 – 9:15

Registration / Coffee

Advances in CANCER Therapy

Cancer Research and New Potential Treatment Approaches

9:15 – 9:40

Dr Demetris Papamichael

Director of Medical Oncology at the Cyprus Oncology Centre in Nicosia

The Changing Landscape of Colorectal Cancer Management

Chairs: Antonis Kirmizis, Demetris Ntourakis

9:40 – 10:05

Prof. Dr Gerry Melino

University of Rome Tor Vergata, Italy; Oxford University, London, UK

Mutp53 & TAp73 regulates tumour microenvironment via hypoxia-inducible factor-1 α

Chairs: Anastasis Stephanou, Antonis Kirmizis

Ass. Prof. Dr Dimas Konstantinos

University of Thessaly, School of Medicine

Sigma Ligands as Potential Novel Targeted Anticancer Therapies

Chairs: Michales Hadjigavriel, Andreas Zachariades

10:30 – 10:55

Prof. Dr Anastasis Stephanou

School of Medicine, European University Cyprus

Annonasin From Graviola Extract Promotes Selective Cancer cell death In vitro and In vivo via NKA and SERCA Downregulation Pathways

Chairs: Andreas Zachariades, Michales Hadjigavriel

10:55 – 11:20

COFFEE BREAK

11:20– 11:45

Ass. Prof. Dr Andreas Hatzisavvas

The Cyprus Institute of Neurology and Genetics-Cyprus School of Molecular Medicine, Cyprus

Applications of pharmacogenetics; our experience the last six years

Chairs: Antonis Kirmizis, Adamos Hadjipanagis

11:45 – 12:10

Prof. Dr Antreas Constantinou

University of Cyprus

Is Nanochemoprevention the Future of Chemoprevention

Chairs: Andreas Zachariades, Adamos Hadjipanagis

Assist. Prof. Dr Giorgos Apidianakis

University of Cyprus

12:10– 12:35

Flies to Humans - Humans to Flies: A Virtuous Circle of Colorectal Cancer Prevention

Chairs: Demetris Ntourakis, Constantine Hadjileontis

Immunotherapy as a Novel Cancer Treatment Approach

12:35 – 13:00

Prof. Dr. Barbara Seliger

Martin Luther University, Institute for Medical Immunology, Germany

Immune escape of tumors: Emerging concepts and therapeutic opportunities

Chairs: Loizos Loizou, Nikos Grigoriadis

13:00 – 15:00

LUNCH BUFFET
Poster Session

Immunotherapy as a Novel Cancer Treatment Approach

15:00 – 15:25

Dr Licia Rivoltini

[Director, Fondazione IRCCS Istituto Nazionale dei Tumori, Milano, Italy

Exploiting myeloid cells as prognostic biomarker and therapeutic target in cancer patients

Chairs: Loizos Loizou, Nikos Grigoriadis

Stress and Genetics

15:25 – 15:50

Prof. Dr George Chrousos

National and Kapodistrian University of Athens School of Medicine, Athens, Greece

Stress, Genetics, Epigenetics and Human Evolution and Development

Chairs: George Hadjigeorgiou, Andreas Zachariades

Prof. Dr Elizabeth Johnson

National and Kapodistrian University of Athens School of Medicine, Athens, Greece; School of Medicine, European university Cyprus, Nicosia, Cyprus

15:50 – 16:15

Neuroanatomy of Stress: Unraveling the Neural Circuits in Stress & Anxiety Disorders

Chairs: Christodoulou Kaisis, George Hadjigeorgiou

Keynote Speech

Prof. Dr Leland Hartwell

16:15 - 16:45

Arizona State University, USA

The Nobel Prize in Physiology or Medicine 2001 – for: "Cell Cycle Control"

Speech Title:

“Educating physicians and scientists for the future”

Chairs: Elizabeth Johnson, Christodoulos Kaisis

16:45 – 17:05

COFFEE BREAK

Satellite by Scientronics

Dr Florian Graedler

17:05 – 17:30

Senior Product Specialist Distributors EMEA, in Illumina Inc.

From Microarrays to Next Generation Sequencing: The impact of genomics on modern medicine

Chairs: Anastasis Stephanou, Ilias Nikas

State of the Art Non Invasive Technologies as a Tool for New Therapies and prognosis

17:30 – 17:55

Prof. Philippos C. Patsalis

Distinguished Professor at the Cyprus Institute of Neurology and Genetics and the Cyprus School of Molecular medicine; Founder and CEO NIPD Genetics

The New Generation Non Invasive Prenatal Test

Chairs: Anastasis Stephanou, Elpida Nikolousi

Neurogenetics

17:55 – 18:20

Prof. Dr Kyproula Christodoulou

The Cyprus Institute of Neurology and Genetics-Cyprus School of Molecular Medicine, Cyprus

Translational Neurogenetics Towards the Identification of Targets for the Development of Therapeutic Strategies

Chairs: Vakis Papanastasiou, Kyriakos Ioannou

18:20 – 18:45

Prof. Dr Marios Cariolou

The Cyprus Institute of Neurology and Genetics-Cyprus School of Molecular Medicine, Cyprus

Human identity testing: How “anonymous” can we be?

Chairs: Kyriakos Ioannou, Vakis Papanastasiou

18:45 – 20:00

Wine & Cheese

SATURDAY 4-11-2017

8:00 – 8:45

Coffee

Polythematic Sessions

8:45 – 9:10

Prof. Dr Leondios G. Kostrikis

University of Cyprus

HIV Disease: From Biology to Chemotherapeutics and Beyond

Chairs: Niki Paphitou, Michalis Petrou

9:10 – 9:35

Prof. Dr Alberto Mantovani

senior toxicologist of the Italian National Health Institute (Istituto Superiore di Sanità –ISS) and also an expert of the European Food Safety Authority

Emerging issues in the assessment of endocrine disrupting chemicals

Chairs: Michalis Petrou, Maria Alexandrou

9:35 – 10:00

Dr Stavros Charalambous

president of Cyprus Urological Association. In private practice: founder of the Institute of Fictional & Reconstructive Urology in Limassol, Cyprus

My Current approach to female urinary incontinence

Chairs: Ziat Milat, Kyriakos Ioannou

10:00 – 10:25

Dr Christos Christou
American Heart institute

Carotenoids and Cardiovascular Diseases

Chairs: Petros Agathagelou, George Miltiadous

10:25 – 10:40

COFFEE BREAK

Keynote Speech

10:40 – 11:10

Prof. Dr Panayiotis Soukagos
*Orthopaedic Research & Education Center
University of Athens, School of Medicine*

Microsurgery in the New Era of Managing Tissue Loss: Past, Present and Future of Replantation and Allotransplantation

Chairs: Akis Loizides, Christodoulou Loizos, George Shiamishis

Natural Products, Pharma and Complementary Medicines: Novelties and Emerging Targets

Advances in Neurology and Neurodegenerative Diseases

Research and New Potential Treatment Approaches

Neurodegenerative Diseases-Multiple Sclerosis- Neuroprotection, Neuroregeneration

&

Natural anti-inflammatory Structured molecules (PUFA) and Antioxidant Vitamins/ Nutrients

11:10 – 11:30

Ass. Prof. Dr Marios Pantzaris

*The Cyprus Institute of Neurology and Genetics-Cyprus School of Molecular
Medicine, Cyprus*

PUFA and their Biological Effect

Chairs: Andreas kougialis, Vakis Papanastasiou

11:30– 11: 50

Prof. Dr Ioannis Patrikios

Chairman, School of Medicine, European University Cyprus

Specific Omega-3, Omega-6 Polyunsaturated Fatty Acids and γ -Tocopherol in the Therapy of Relapsing Multiple Sclerosis, How and Why: the Paradigm of NEUROASPIS® PLP10 Intervention Efficacy

Chairs: Andreas kougialis, Vakis Papanastasiou

Keynote Speech

11:50 – 12:20

Prof. Dr David Bates

Emeritus Professor of Clinical Neurology at Newcastle University, UK; past Chairman of the International MS Forum, past Chairman of the Medical Research Advisory Committee of the MS Society of Great Britain and Northern Ireland

Dietary Supplementation in Multiple Sclerosis

Chairs: George Hadjigeorgiou, Marios Pantzaris, Nikos Grigoriadis

12:20 – 13:30

LUNCH BUFFET

Poster Session

13:30 – 13:55

Prof. Dr Nikos Grigoriadis

AHEPA University Hospital, Thessaloniki, Greece

Is neurodegeneration an absolutely inflammation-related process in MS?

Chairs: Andreas kougialis, Vakis Papanastasiou

Research on NEUROLOGICAL Diseases / Dementias

13:55 – 14: 20

Prof. Dr Nektarios Tavernarakis

*Medical School of the University of Crete, in Heraklion, Greece and Directors
at the Foundation for Research and Technology-Hellas (FORTH)*

**Autophagic pathways in health and disease: Mitophagy and
neurodegeneration**

Chairs: Anastasis Stephanou, Adamos Hadjipanayis

14:20 – 14:45

Prof. Dr George Hadjigeorgiou

Larisa School of Medicine

**Diagnosis of muscle diseases in the era of next generation
sequencing.**

Chairs: Nikos Grigoriadis, Elpida Nikolousi

14:45 – 15:10

Prof. Dr Savvas Papacostas

*The Cyprus Institute of Neurology and Genetics-Cyprus School of Molecular
Medicine, Cyprus*

**Sudden unexpected death in epilepsy: The Cyprus experience
comparison with international data.**

Chairs: Nicos Gregoriades, Marios Pantzaris

15:10 – 15: 25

COFFEE BREAKE

15:25 – 15:50

Ass. Prof. Dr Demos Mitsikostas

Aeginition Hospital; National & Kapodistrian University of Athens

NOCEBO in Neurological Disorders and Headache

Chairs: Christodoulos Kasis, Marios Pantzaris

15:50 – 16:15

Prof. Dr Achilleas Gravanis

School of Medicine, University of Crete

Regenerating neuroimplants in spinal cord injury

Chairs: George Hadjigeorgiou, Christodoulos Kasis

16:15 – 16:40

Dr Tasos Georgiou

Ophthalmos clinic, Nicosia, Cyprus

**Therapeutic potential of omega 3 fatty acid supplementation
in Macular Degenerations**

Chairs: Marios Loizou, Konstantinos Tsioutis

16:40 – 17:05

Dr George Vrakas

Transplant Surgeon, Oxford University, UK

**Current Concepts in Transplantation: Combining
Vascularized Composite Allografts with Intestinal
Transplants**

Chairs: Marios Loizou, Christodoulos Kasis

17:05 – 17:20

COFFEE BREAKE

Oral Presentation (Selected Abstracts)

17:20 – 17:30

The Association Between Brain Iron Accumulations with Blood Iron

(IRAN)	Metabolism Markers in Multiple Sclerosis Patients"
	Dr. Seyed Aidin Sajedi ¹ , Dr. Fahimeh Abdollahi ² , Dr. Nastaran Majdinasab ³ , Dr. Mohammad Saghatoleslami ⁴ , Dr. Hamidreza Saligheh Rad ^{5,6} , Dr. Alireza Ghorbani ⁴ , Dr. Nooshin Kiarashi ^{7,8} , Kavous Bahraami ⁹ , Dr. Ahmad Soltani Shirazi ⁹
17:30 –17:40 (POLAND)	Stroke Outcomes in Polish Pediatric Patients With Arterial Ischemic Stroke Depending on Gender
	<u>Beata Sarecka-Hujar</u> ¹ , Ilona Kopyta ²
17:40 –17:50 (Turkey-Nigeria)	Molecular Modelling Studies on the Recently-Solved Crystal Structure of Human Histone Deacetylase 6 (HDAC6) Catalytic Domain 2 Complexed with Known HDAC Inhibitors and the Design of Potential Inhibitors for Cancer Therapy.
	<u>Abdullahi Ibrahim Uba</u> ^{a,b*} , Kemal Yelekci ^a
17:50 – 18:00 (Larissa-Greece)	Detection of Aberrant Methylation in Relapsing-Remitting Multiple Sclerosis with MS-MLPA
	Maria Sokratous ¹ , Efthimios Dardiotis ¹ , Eleni Bellou ¹ , Zisis Tsouris ¹ , Amalia Michalopoulou ¹ , Maria Dardioti ¹ , Vasileios Siokas ¹ , Dimitrios Rikos ¹ , Georgios Tsivgoulis ² , Dimitrios Bogdanos ^{3,4} , Georgios M. Hadjigeorgiou ¹
18:00 – 18:10 (Nicosia-Cyprus)	Specific Delivery of Therapeutic Sequences in Muscle by RNA Aptamers
	Philippou S ^{1,4} , Mastrogiannopoulos NP ^{1,4} , Makrides N ^{2,4} , Kleanthous M ^{3,4} , Lederer CW ^{3,4} and Phylactou LA ^{1,4*}
18:10– 18:20 (Larissa-Greece)	Variations of Transverse Foramina in Cervical Vertebrae: what Happens to the Vertebral Artery?
	<u>Aristeidis Zibis</u> ¹ , <u>Vasileios Mitrousias</u> ¹ , Nikolaos Galanakis ² , Nikoletta Chalampalaki ² , Dimitrios Arvanitis ¹ , Apostolos Fyllos ¹ , Apostolos Karantanas ²
	Chairs: Marios Pantzaris, Vakis Papanastasiou
18:20 – 18:30 (Nicosia – Cyprus)	Molecular genetic diagnosis of cardiomyopathies by Next Generation Sequencing pane
	<u>Paschalis Nicolaou</u> ^{1,2} , Christina Votsi ^{1,2} , Loizos Antoniadis ³ , Kyroula

Christodoulou^{1,2}

18:30 – 18:40
(Nicosia – Cyprus)

Full Genome Sequencing and Phylogenetic Analysis of the First West-Nile Virus Identified in Cyprus

Richter J.¹, Tryfonos C.¹, Tourvas A.², Floridou D.², Paphitou N.I.³, Christodoulou C.¹

18:40 – 18:50
(Nicosia – Cyprus)

IgG from Multiple Sclerosis Patients Positive for Antiphospholipid Antibodies Increases the Activation of p38 MAPK and p65 NF-κB

Natalia Filippidou¹, Marios Pantzaris¹, Christina Christodoulou², Anastasia Lambrianides¹

18:50 – 19:00
(Nicosia – Cyprus)

Bovine miRNA miR-154c Can Survive Digestion and Affect Human Genes in Epithelial Cells

Foteini Kalampalika¹, Rana Abu Manneh¹, Froso Sophocleous¹, Harsh Dweep², Gregoris Papagregoriou³, Myrtani Pieri^{1*}, Kyriacos Felekkis^{1*}

19:00 – 19:10
(Nicosia – Cyprus)

Gene Therapy of β-Globinopathies: Conceivable, Achievable, Affordable?

Carsten Werner Lederer

19:10 – 19:20
(Nicosia – Cyprus)

Immune Cytolytic Activity Correlates with Mutational Burden and Deregulated Expression of Inhibitory Checkpoint Molecules in Colorectal Cancer.

Apostolos Zaravinos¹, Konstantinos Roufas², Christodoulos Efstathiades², Christos Dimopoulos²

19:20 – 19:30
(Nicosia – Cyprus)

Non-invasive prenatal testing of microdeletion syndromes

George Koumbaris¹, Kyriakos Tsangaras¹, Petros Mina¹, Charalambos Loizides¹, Achilleas¹, Achilleos¹, Elena Kypri¹, Marios Ioannides¹, Philippos C Patsalis¹

19:30 – 19:40
(Nicosia – Cyprus)

Reversal of Fetal Globin Silencing Through Isoform-Specific Disruption of the BCL 11A Transcription Factor

Constantinos C. Loucari^{a,c}, Tamar B. van Dijk^b, Petros Patsali^a, Panayiota Papasavva^{a,c}, Maria Sitarou^d, Soteroulla Christou^d, Sjaak Philipsen^b, Carsten W. Lederer^{a,c,*}, Marina Kleanthous^{a,c,*}

19:40– 19:50
(Nicosia – Cyprus)

A novel localization and function of acid ceramidase, a key regulatory enzyme of ceramide metabolism

Kalia Kyriakou, Judith Elizabeth Sleeman, Anthi Drousiotou, Anna Malekkou

Chairs: Elisabeth Johnson, Konstantinos Hadjileontis

19:50 - 20:00

Poster Awards

Closing Ceremony

Congress Chair, Prof. Dr Ioannis Patrikios

I. Patrikios

Founder and Congress Chair

All coffee breaks and lunch are sponsored by Bayer Novagem.

