



# 1<sup>st</sup> THEMATIC SYMPOSIUM

## Contribution of Genetic Analyses in Predisposition, Diagnosis, Prognosis and Therapeutic Approach to Disease

March 2<sup>nd</sup> - 3<sup>rd</sup>, 2013

“Aristotelis” Conference Center  
National & Kapodistrian University of Athens  
Zografou Campus  
Department of Physics

Under the auspices of



Medical Association of Athens



Hellenic Pharmaceutical Society (HPS)

The 1<sup>st</sup> Thematic Symposium is accredited by the Panhellenic Medical Association for 9 CME credits.

Certificates of attendance will be granted



## Scientific Advisory Committee

Bezirtzoglou Eugenia  
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Drakoulis Nikolaos  
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## Symposium Organizing Bureau



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Dear Colleagues,

Following over 10 years of research at the Department of Pharmaceutical Technology of the National and Kapodistrian University of Athens, School of Pharmacy, I have the great pleasure and honor to invite you to the 1<sup>st</sup> Thematic Symposium entitled "Contribution of Genetic Analyses in Pre-disposition, Diagnosis, Prognosis and Therapeutic Approach to Disease", which will take place from 2<sup>nd</sup> to 3<sup>rd</sup> March, 2013 at the National and Kapodistrian University of Athens Zografou campus, "Aristotelis" Congress Center of the Faculty of Physics.

So far, despite the continuing breakthroughs and advances in molecular technologies, implementing clinical genomics and pharmacogenomics still remains a challenge due to the insufficient information and education of healthcare professionals as well as the failure to include genomics and pharmacogenomics in the medical reimbursement lists.

The purpose of the Symposium is to exchange views and enrich our knowledge as well as to further inform pharmacists, clinical pharmacists, physicians of all specialties, biologists, geneticists, nursing personnel, clinical dietitians and other HCP's for the new methodologies that will bring us closer to personalized therapy: the gene testing and is intended to bridge between members of the academic and health care communities and give them examples of genomics and pharmacogenomics application in their daily diagnostic practice.

I look forward to your support and active participation at the Symposium. I am confident that your attendance will help meet its objectives and will add value to the potential and the benefits that our patients can obtain from gene testing. I will make every possible effort to ensure the best results in terms of the organization and hospitality, allowing fruitful exchange of information.

Yours sincerely

**Nikolaos Drakoulis, MD, PhD**

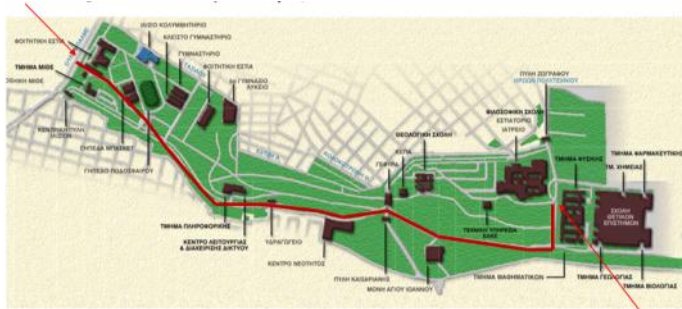
Assistant Professor of Clinical Pharmacology  
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## GENERAL INFORMATION

### Symposium Venue

The proceedings of the 1<sup>st</sup> Thematic Symposium will be held in the "Aristotelis" Conference Center, National and Kapodistrian University of Athens, Department of Physics, Zografou Campus from March 2<sup>nd</sup> to 3<sup>rd</sup>, 2013.

Entrance via Oulof Palme str.



"Aristotelis" Conference Center

Access to the campus is made **only** via the gate located at Oulof Palme str., Ilisia.

Parking is **free-of-charge**

### Official language

The official language of the Symposium is Greek

### Participation

The participation is **free**.

## Badges

Badges will be provided by Symposium's Secretariat and are necessary when entering and/or exiting the lecture hall. Badges carry a barcode that calculates the total attendance time per participant regarding the new regulations of EOF.

## Distinctive colors

Indigo:	Scientific committee, chairperson, speakers
Mauve:	Participants
Bordeaux:	Exhibitors
Green:	Symposium Organizing Bureau

## Certificate of Attendance

The Symposium is accredited by the Panhellenic Medical Association for **9 CME credits**. The certificates will be granted by Symposium's Secretariat on Sunday 3<sup>rd</sup>, 2013 from 17:00 until the end of the Symposium.

Certificate of Attendance can receive only doctors and other HCP's that will have completed 6 hours of attendance according to the new regulation of E.O.F (R.N. 81867)

## Symposium Proceedings

Those participants that will register until the 1<sup>st</sup> of March will receive the Symposium Proceedings free of charge. Texts included will be both in Greek and English. The proceedings will be published by the Publishing House *Parisianos S.A.*

Those who will enroll during the Symposium (on Saturday and/or Sunday) will be able to pre-order and/or purchase the Symposium Proceedings from the Publishing House *Parisianos S.A.* stand at the special price of 20 Euro.





# SYMPOSIUMPROGRAMM

14.00 - 16.15 **Registrations**

16.15 - 16.30 **Opening - Welcome Addresses**

- Symposium's Chairman
- Chairman of the Pharmaceutical Association of Attica
- Chairman of the Medical Association of Athens

16.30 - 18.45 **Cardiovascular/Blood**

**Chairpersons: Manolopoulos Evaggelos (DUTH)  
Pantos Constantinos (UOA)**

16.30 - 16.45 The frequency distribution of Rs9923231 (VKORC1) as well as Rs1799853 and Rs1057910 (CYP2C9), related to warfarin, in a Greek population sample.  
Chatziliadi Konstantina

16.45 - 17.00 Pharmacogenetics of Acenocumarol: Correlation of CYP2C9 polymorphisms with Acenocumarol dosage.  
Seretakis Grigorios

17.00 - 17.15 Thrombophilia as the primary cause of the first trimester recurrent abortions.  
Soureti Anastasia

17.15 - 17.30 Association of the e-NOS E298D Polymorphism and the Risk of Myocardial Infarction in the Greek Population  
Dafni Chaido

17.30 - 17.45 Prevalence of Angiotensin Converting Enzyme (ACE) Insertion/ Deletion (I/D) and Endothelial Nitric Oxide Synthase (eNOS) Glu298Asp Gene Polymorphism in Greek Hypertensive Patients and age/ gender matched Controls  
Kyriakou Aggelos

17.45 - 18.15 **Break**

**18.15 - 18.30** Study of the relationship between the plasma levels of thyroid hormone and markers of cardiac function in patients with chronic heart failure and in rats with myocardial infarction.

Tsinarakis Nikolaos

**18.30 - 18.45** Study on the relation of thyroid hormone plasma levels and cardiopulmonary exercise testing indexes in patients with heart failure.

Leivadarou Eleftheria

**18.45 - 19.15** Infections

**Chairpersons:** Bezirtzoglou Eugenia (DUTH)  
Orfanidou Dora (UOA)

**18.45 - 19.00** The role of polymorphisms of the NRAMP1 gene in tuberculosis in the Greek population.

Stagas Marios

**19.00 - 19.15** Elimination of potential pathogenic bacteria of oral flora by low flow-high ozone concentration disinfection.

Poulis Nikolaos

**19.30 - 20.30** Reception



Saturday March 02





09.30 - 10.45 **Metabolic Syndrome - Nutrition - Asthma**

**Chairpersons: Chrousos Georgios (UOA) - Liapi Charis (UOA)**

09.30 - 09.45 Frequency of genetic polymorphisms rs1800795 (IL6), rs2303067 (SPINK5), rs1800629 (TNF-a), rs7216389 (ORMDL3), and the way they are connected with the predisposition to develop asthma in a non affected Greek population.

Prinou Aikaterini, Thoma Efstathia

09.45 - 10.00 Frequency distribution of polymorphisms of TCF7L2, MTNR1B, CDKAL1, SLC30A8 and FTO genes predisposing to type II diabetes mellitus and/or obesity in Greek population.

Gourzi Stefania-Filio, Tentolouris Konstantinos

10.00 - 10.15 Correlation study of TNF $\alpha$  and IL6 polymorphisms in patients with Bronchial Asthma and investigation of Type II Diabetes coexistence.

Syka Maria

10.15 - 10.30 The effect of gene polymorphisms in the treatment of obesity.

Boutsouris Konstantinos

10.30 - 10.45 Personalized nutritional therapy to the obese: Translating Nutrigenomic/Nutrigenetic Research into dietary guidelines.

Xenos Konstantinos

10.45 - 11.15 **Break**

11.15 - 13.00 **Central Nervous System**

**Chairpersons: Koumakis Konstantinos (Euroclinic Athens)  
Touloumis Charalampos (Psychiatric Hospital, Athens)**

11.15 - 11.30 Analysis of COMT Polymorphisms and Schizophrenia in a Greek Population. A Case-Control Study.

Kotrotsou Maria



- 11.30 - 11.45** Association of MAPT and SNCA gene polymorphisms with Parkinson's disease and identification of compounds antagonizing tau protein toxicity.  
Refenes Nikolaos
- 11.45 - 12.00** Prevalence of polymorphisms: A→G (RS4420638), C→T (RS7412) and T→C (RS429358), A→G (RS157581), G→C (RS3745833) of APOC1, APOE, TOMM40 and GALP genes, respectively, associated with Alzheimer's Disease, in a Greek population sample.  
Gasparatou Eleni, Rodanaki Maria-Evaggelia
- 12.00 - 12.15** The prevalence of polymorphisms rs7412 and rs429358 of ApoE gene, associated with Alzheimer's Disease, in a sample of Greek patients and controls.  
Malliou Mara
- 12.15 - 12.30** Effect of the Polymorphisms RS2653349 of the HCRTR2 Gene and RS5443 of the GNB3 Gene on the Occurrence of Cluster Headache and the Response of Patients to Triptan Therapy  
Toliza Ioanna
- 12.30 - 12.45** Incidence of single nucleotide polymorphisms in the ADH1B, ADH4, ADH1C, OPRM1, DRD2, BDNF and ALDH2 genes in a general population and correlation to alcohol and nicotine dependence.  
Skarpathioti Aspasia
- 12.45 - 13.00** Genes and Personality Characteristics: Study of the Effect of the Genetic Background in Intelligence and Decision Making in a Greek population.  
Marinos Georgios, Naziris Nikolaos
- 13.00 - 14.00** Break





14.00 - 14.45 Orthopaedics - Athletiatric

**Chairpersons:** Papaioannou Nikolaos (UOA)  
Levakos Ioannis (Iaso General)

14.00 - 14.15 The relationship of genetic polymorphisms of the COL1A1 and ESR1 genes to osteoporosis in a Greek population.  
Rentzepe-Mixalakovou Evanthia, Koutroumanou Aikaterini

14.15 - 14.30 Association of COL5A1, MMP3, COL1A1 genes with injuries during sports activity in a Greek population.  
Zouli Kalliopi

14.30 - 14.45 Analysis of polymorphisms RS2476601, RS3761847, RS660895 and RS7574865 involved in clinical and immunological manifestations of rheumatoid arthritis.  
Karanika Ioanna

14.45 - 15.45 Cancer

**Chairpersons:** Sklavounou - Andrikopoulou Alexandra (UOA)  
Tyrizis Stavros (UOA)

14.45 - 15.00 The incidence of the Single Nucleotide Polymorphism (SNP), rs6983267, at region 3 of chromosome 8q24, in Greek patients with Prostate Cancer.  
Papanikolopoulou Amalia

15.00 - 15.30 Genetic Hotspots Predisposing to the Development of Breast Cancer in Non-Affected and Diseased Greek Women: A case-control Study.  
Katsa Irini, Xenelli Vasiliki

15.30 - 15.45 Detection of Human papillomavirus-HPV in normal oral mucosa.  
Daskalopoulos Argyrios

15.45 - 16.15 Break





**16.15 - 18.00 Pharmacogenetics / Pharmacogenomics**

**Chairpersons: Drakoulis Nikolaos (UOA)  
Panidis Dimitrios (UOA)**

**16.15 - 16.30 Genetic polymorphism of isoform CYP2E1 in the Hellenic population and the role of its alleles in the effectiveness in the relief of pain with acetaminophen.**

Karatziou Christina

**16.30 - 16.45 Genetic polymorphism and chemical carcinogenesis: Assessment of the enzymes' NAT2, CYP2A6 and CYP1A2 metabolizing activity among Greek lung cancer patients and controls.**

Malliara Eleni

**16.45 - 17.00 Study of the C3435T polymorphism of MDR1 gene in Greek population.**

Chatzigeorgiou Nikodimos

**17.00 - 17.15 Frequency and distribution of NAT2 polymorphism, in patients with Parkinson's disease.**

Stathelos Efstathios

**17.15 - 17.30 Distribution of phenotypic activity of Drug Metabolizing Enzymes CYP2A6 and NAT2 in Healthy Greek Volunteers.**

Katsoula Spyridoula

**17.30 - 17.45 Polymorphisms of the N-acetyltransferase gene and their frequency in a Greek population.**

Massia Despoina

**Lecture**

**17.45 - 18.00 The genetic analyses at Pharmacy.**

Belonis Stavros

**18.00 - 18.15 Conclusions - End of the Symposium**

Drakoulis Nikolaos



## SCIENTIFIC COMMITTEE

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