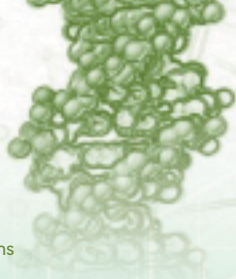




Research Laboratory of Clinical  
Pharmacology and Pharmacogenomics  
School of Health Sciences  
National & Kapodistrian University of Athens



HELLENIC SOCIETY  
OF PHARMACOGENOMICS  
AND PERSONALIZED  
DIAGNOSIS AND THERAPY

# 2<sup>nd</sup> Congress of Pharmacogenomics and Personalized Diagnosis and Therapy

From Evidence-based Cohort Medicine to Knowledge-based Personalized Medicine

Athens, November 4, 5 and 6, 2016

Under the auspices of



ORPHAN EUROPE ASSOCIATION  
BONE MARROW DONOR CENTER

The Research Laboratory of Clinical Pharmacology and Pharmacogenomics  
at the National & Kapodistrian University of Athens  
and the Hellenic Society of Pharmacogenomics and Personalized Diagnosis and Therapy (EPPHARM)  
invites you to the

**2<sup>nd</sup> Congress of Pharmacogenomics and Personalized Diagnosis and Therapy:  
From Evidence-based Cohort Medicine to Knowledge-based Personalized Medicine**

that will be held in Athens, November 4, 5 and 6, 2016  
under the auspices and support of the  
European Society of Pharmacogenomics and Personalised Therapy (ESPT).

**Organizer/Congress Chairman**

***Dr. Nikolaos Drakoulis, MD***

Ass. Professor of Clinical Pharmacology  
School of Health Sciences, Faculty of Pharmacy  
National & Kapodistrian University of Athens

## Organizing Committee

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Pharmacy - MPH  
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Head, Department for Interventions in HealthCare  
Facilities Hellenic Center for Disease Control and  
Prevention, Athens, Greece

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University of Westminster, UK

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Charité University of Berlin, Germany

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Pharmacy - BSc, MSc, PhD  
University of Patras, Greece

### **Tsopelas Christos**

Psychiatry - MD, PhD  
Psychiatric Hospital of Attica (Dafni)  
Greece

## Invited Speakers

BILALIS, Thymios	Computer Engineer, PhD	SIATOUNI, Anna	MD, PhD
CASCORBI, Ingolf	MD, PhD	SIDERI, Anastasia	Biotechnologist, BSc, MSc, PhD
CHALVATZI, Stevi	Pharmacist, BSc	SIVOLAPENKO, Grigoris	Pharmacist, BSc, MSc, PhD
CHANG, Sobin	Pharmacist, BSc, MPH	SOURETI, Anastasia	Clinical Pharmacist MSc, PhD cand
CHARMANDARI, Evaggelia	MD, PhD	SYKA, Maria	Clinical Pharmacist, BSc, MSc, PhD
CHRYSSOMALLI, Euthymia	Dentist, PhD	TSOPELAS, Christos	MD, PhD
CHRISIKOU, Adrianna	Pharmacist, BSc	TSOULOS, Antonis	Photographer
CHROUSOS, Georgios	MD, PhD	VASILAKOPOULOU, Dido	Biologist, BSc, MSc, PhD
DAHL, Marija Lisa	MD, PhD	VISVIKIS-SIEST, Sophia	Pharmacist, PhD
DEMERTZIS, Nikolaos	Biochemist - Biotechnologist BSc, MSc, PhD cand	VOURAKIS, Manolis	Biologist, MSc, PhD cand
DESINIOTIS, Vassileios	Biologist, BSc	XENELI, Vassiliki	Pharmacist, BSc, MSc cand
DIMITRIOU, Polyxeni	Pharmacist, BSc		
DRAKOULIS, Nikolaos	MD, PhD		
HALIASSOS, Alexandros	MD, PhD		
GRAPHAKOS, Stelios	MD, PhD		
KATSAROU, Martha-Spyridoula	Biochemist - Biotechnologist, BSc, PhD		
KONSTANTINIDIS, Konstantinos	MD, PhD, FACS		
KROUPIS, Christos	Clinical Chemist, MSc, PhD		
LATSI, Rozana	Pharmacist, BSc		
MALTEZOU, Helena	MD, PhD		
MAVRAGANI, Clío	MD, PhD		
MOSCHOS, Sterghios A.	Molecular Biologist FRSC, FIBMS, MRSB, BSc (HONS) PhD Pharmaceutics		
PAPANIKOLOPOULOU, Amalia	Clinical Pharmacist, BSc		
REFENES, Nikolaos	Pharmacist, BSc, MSc, PhD		
SEEGER, Karl-Heinz	MD, PhD		



## General Information

### Dates

The 2<sup>nd</sup> Congress of Pharmacogenomics and Personalized Diagnosis and Therapy will take place on **November, 4, 5 and 6, 2016**.

### Congress Venue

Auditorium of Physiology "G. Kotzias" (Building 15)  
Medical School of National & Kapodistrian University of Athens, Greece.

### CME Accreditation

The congress will be accredited with 13 CME credits by the Panhellenic Medical Association.

### Language

The official language of the congress is English.  
All abstracts and presentations should be in English.

### Abstract Submission

Deadline: **October 15<sup>th</sup>, 2016**

### Registration Fees

Physicians, Pharmacists & other HCPs: 35€ per person  
Pharmaceutical industries: 350€ (fee per company for 1-10 representatives)  
EPPHARM members: 5€ per person  
Students: 5€ per person

Registration fee for participants includes:

- Admission to all scientific sessions
- Admission to oral presentations
- Admission to exhibition
- Congress material (congress bag, Final Printed Program)
- Coffee breaks & light lunches at the congress venue
- Welcome Reception and Closing Ceremony

### **Payment Method**

Select the payment method that suits you more. Visit the official congress site for detailed information.

### **Cancellation Policy**

For written cancellations received before October 30, 2016 cancellation fee will be applied. Thereafter **no refund will be paid** on the registration fees.

### **Exhibition and Sponsorship**

For sponsorship opportunities and/or exhibition space visit the official congress website.

### **Hellenic Society of Pharmacogenomics and Personalized Diagnosis and Therapy Membership (EEPHARM)**

To benefit from reduced registration rates, you have to be in good standing for paid membership or become a member. For questions regarding EEPHARM membership please contact [www.esptnet-eu.gr](http://www.esptnet-eu.gr) Tel. +30 210 727 4149, Fax +30 210 727 4512

## Scientific Program



**Friday, November 4, 2016**

**12:30 - 13:00      Registration**

**13:00 - 13:30      Congress Opening Ceremony**

**Nikolaos Drakoulis**

*President of the Hellenic Society of Pharmacogenomics  
and Personalized Diagnosis and Therapy (EEPHARM)  
Chairman of the Organizing Committee*

**Efstratios Patsouris**

*Dean of the School of Health Sciences  
National & Kapodistrian University of Athens*

**Despoina Makridaki**

*Vice President of the National Organization for Medicines (EOF)*

**Michalis Vlastarakos**

*President of the Panhellenic Medical Association (PIS)*

**Georgios Patoulis (invited)**

*President of the Medical Association Athens (ISA)*

**Antonios Avgerinos**

*President of the Hellenic Red Cross*

**Aristides M. Tsatsakis**

*Director of Laboratory of Toxicology, University of Crete  
President of EUROTOX, and the Hellenic Society of Toxicology*



- 13:30 - 17:15**     **Personalized Diagnosis and Therapy  
of Metabolic Syndrome**  
*Chair: Georgios Chrousos, Evaggelia Charmandari*
- 13:30 - 14:15**     **Personalized Diagnosis and Therapy of Metabolic  
Syndrome (Keynote lecture).**  
*G. Chrousos*
- 14:15 - 14:45**     **Personalized Robotic Surgery for Treating  
Metabolic Syndrome.**  
*K. Konstantinidis*
- 14:45 - 15:45**     **Lunch Break**
- 15:45 - 16:00**     **Frequency Distribution of Predisposing to  
Type II Diabetes Mellitus and/or Obesity  
Gene Polymorphisms in a Greek Population  
and their Impact in Personalized Medicine.**  
*N. Demertzis*
- 16:00 - 16:15**     **Investigation of Various Gene Polymorphism  
Relationships in Asthma Patients and the  
Importance of Type II Diabetes Coexistence.**  
*M. Syka*
- 16:15 - 16:45**     **Development of a National e-Health System  
for the Prevention and Management of  
Childhood Obesity.**  
*E. Charmandari*

- 16:45 - 17:00**      **Frequency of Occurrence of Single Nucleotide Polymorphisms Associated with Different Responses to Alcohol in 1276 Caucasian Volunteers.**  
*M. Vourakis*
- 17:00 - 17:15**      **Epidemiology of Genetic Variations Within the Homocysteine Metabolic Pathway in Greek Caucasian Volunteers.**  
*S. Chalvatzi*
- 17:15 - 17:30**      **Coffee Break**
- 17:30 - 19:45**      **Pharmacogenetics - Pharmacogenomics**  
**Chair:** *Ingolf Cascorbi, Nikolaos Drakoulis*
- 17:30 - 18:15**      **Pharmacogenomics in Cancer Drug Resistance (Keynote lecture).**  
*I. Cascorbi*
- 18:15 - 18:45**      **Genetics of Age-Related Macular Degeneration.**  
*Ch. Kroupis*
- 18:45 - 19:00**      **Allele distribution of the 2A-Serotonin-Receptor Common Variant, rs1328674, in Patients Resistant to Antipsychotic Therapy.**  
*V. Xeneli*
- 19:00 - 19:15**      **Population Based Analysis of the Frequenting of HFE Gene Polymorphisms: Correlation with the Susceptibility to Develop Hereditary Hemochromatosis.**  
*R. Latsi*



**19:15 - 19:30**      **Prevalence of Antioxidant Capacity Genes  
in a Greek Population Sample.**

*V. Desiniotis*

**19:30 - 19:45**      **Frequency Distribution of Vitamin D Receptor Gene  
(VDR) Alterations in 1465 Caucasian Volunteers  
and Implications in Personalized Treatment.**

*P. Dimitriou*

**Saturday, November 5, 2016**

**09:30 - 10:00**      **Registration**

**10:00 - 10:30**      **Remember - Θυμήσου / 2003**

*Antonis Tsoulos*

**10:30 - 13:30**      **Personalized Diagnosis and Therapy of  
Central Nervous System Diseases**

**Chair:** *Marija-Lisa Dahl, Christos Tsopelas*

**10:30 - 11:15**      **Clinical Pharmacogenetics in Psychiatry  
(Keynote lecture).**

*M.L. Dahl*

**11:15 - 11:45**      **SCN1A Polymorphism Depending Therapeutic  
Response Analysis of Greek Patients with  
Complex Partial Seizures.**

*A. Siatouni*

**11:45 - 12:00**      **Molecular Pathogenesis of Parkinson Disease:  
Insights from Genetic Studies.**

*N. Refenes*

- 12:00 - 12:15**      **Coffee Break**
- 12:15 - 12:30**      **How do Genes Correlate with Intelligence?**  
*M.S. Katsarou*
- 12:30 - 13:00**      **Advances in Genomics that Lead to Personalized Management of Mental Disorders in Daily Clinical Practice.**  
*Ch. Tsopelas*
- 13:00 - 13:30**      **New Aspects of L-Dopa Decarboxylase Biology.**  
*D. Vassilacopoulou*
- 13:30 - 14:30**      **Lunch Break**
- 14:30 - 16:45**      **Personalized Diagnosis and Therapy of Cancer and Autoimmune Diseases**  
**Chair:** *Karl-Heinz Seeger, Clio Mavragani*
- 14:30 - 15:15**      **The Relevance of Molecular Genetic Advances in Diagnostic and Treatment of Childhood Acute Leukemia (Keynote lecture).**  
*K.H. Seeger*
- 15:15 - 15:45**      **IFCC Online PT-DB project: Meeting the Clients with the Producers on Proficiency Testing of Rare Analyses and Companion Diagnostics.**  
*A. Haliassos*
- 15:45 - 16:00**      **The Use of Oral Glutamine in the Prevention of Radiation Induced Adverse Effects in Patients with Thoracic and Upper Aerodigestive Malignancies.**  
*A. Papanikolopoulou*

- 16:00 - 16:30**      **Sjogren's Syndrome and Lymphomagenesis:  
From Genes to Pathophysiology.**  
*C. Mavragani*
- 16:30 - 16:45**      **Angiogenic Markers for Personalized Therapy  
of Gynecologic Alignancies.**  
*N. Soureti*
- 16:45 - 17:15**      *N. Salakos*
- 17:15 - 17:30**      **Coffee Break**
- 17:30 - 19:30**      **Personalized Diagnosis and Therapy of  
Infectious Diseases**  
**Chair:** *Sterghios A. Moschos, Helena Maltezos*
- 17:30 - 18:15**      **Making a Difference: Leveraging Innovation  
to Meet Clinical Need (Keynote lecture).**  
*S. Moschos*
- 18:15 - 18:30**      **Sensitive DNA-Array Detection and Typing in  
Asymptomatic Partners of HPV Infected Individuals.**  
*A. Chrissikou*
- 18:30 - 19:00**      **HPV Status in Oral Epithelial Lesions:  
the Importance in Prevention, Diagnosis  
and Therapy.**  
*E. Chrissomali*
- 19:00 - 19:30**      **The Cocooning Strategy: Vaccinating Mothers  
in order to Protect their Young Infants.**  
*H. Maltezos*



## Sunday November 6, 2016

- 09:30 - 10:00**      **Registration**
- 10:00 - 11:30**      **Personalized Medicine, Big Data and Pharmacogenovigilance**  
**Chair:** *Sobin Chang, Gregory Sivolapenko*
- 10:00 - 10:45**      **The New Frontier in Pharma Innovation: Personalized Medicine through Industry Convergence and Big Data (Keynote lecture).**  
*S. Chang*
- 10:45 - 11:15**      **Medical Informatics in Personalized Medicine.**  
*T. Bilalis*
- 11:15 - 11:45**      **Pharmacogenovigilance.**  
*A. Sideri*
- 11:45 - 12:05**      **Haematopoietic Stem Cell Transplantation.**  
*S. Graphakos*
- 12:05 - 12:20**      **Coffee Break**
- 12:20 - 13:20**      **Poster & Oral Presentations**
- P/O-1**      **Genetic Predisposition to Obesity and Metabolic Syndrome: The Clinical Effectiveness of Pioglitazone.**  
*G. Simeakis<sup>1,2</sup>, V. Vasileiou<sup>2</sup>, N. Drakoulis<sup>3</sup>, M.S. Katsarou<sup>3</sup>  
E. Zapanti<sup>2</sup>, J. Koutsikos<sup>4</sup>, K. Athanasiou<sup>4</sup>, K. Saltiki<sup>1</sup>,  
M. Alevizaki<sup>1</sup> E. Anastasiou<sup>2</sup>.*

<sup>1</sup>Endocrinology Unit, Clinic of Therapeutics, Medical School, University of Athens

<sup>2</sup>Endocrinology Dept., Alexandra Hospital, Athens

<sup>3</sup>Research Laboratory of Clinical Pharmacology and Pharmacogenomics, Faculty of Pharmacy, National and Kapodistrian University of Athens

<sup>4</sup>Dept. of Nuclear Medicine, 401 Military Hospital of Athens

**P/O-2 How do genes influence personality.**

Nikolaos Naziris, Nikolaos Drakoulis

Research Laboratory of Clinical Pharmacology and Pharmacogenomics, Faculty of Pharmacy, National and Kapodistrian University of Athens

**P/O-3 The effect of demographic and environmental factors on the in vivo activity of CYP1A2 and NAT2 drug-metabolizing enzymes in Greeks.**

Elias Begas<sup>1</sup>, Thomas Kilindris<sup>2</sup>, Vassiliki Tsiokou<sup>1</sup>, Evangelos Kouvaras<sup>1</sup>, Eftihia Asproдини<sup>1</sup>.

<sup>1</sup>Laboratory of Pharmacology, Department of Medicine, University of Thessaly, Larissa, Greece.

<sup>2</sup>Laboratory of Medical Physics, Department of Medicine, University of Thessaly, Larissa, Greece.

**P/O-4 Frequency distribution of Arg389Gly polymorphism in a South-Eastern European population from Greece.**

Aikaterini Karathanassopoulou, Aggeliki Andrianopoulou, Martha-Spyridoula Katsarou, Vasileios Dessiniotis, Nikolaos Drakoulis.

Research Laboratory of Clinical Pharmacology and Pharmacogenomics, Faculty of Pharmacy, National and Kapodistrian University of Athens

**P/O-5 Impact of Common Genetic Variants on the Statin and Fibrate Treatment in a Sample of 1094 Greek Volunteers.**

Nikolaos Varakliotis, Periklis Daskalakis, Martha-Spyridoula Katsarou, Nikolaos Demertzis, Nikolaos Drakoulis.  
Research Laboratory of Clinical Pharmacology and Pharmacogenomics, Faculty of Pharmacy, National and Kapodistrian University of Athens

**P/O-6 Thrombophiliae Pharmacogenomics: A patient centered approach of classic treatment pathways.**

Christos Tsagkaris.  
Medical Department, School of Health Science, University of Crete

**13:20 - 14:00 Lunch Break**

**14:00 - 14:30 Presentation of European Society of Pharmacogenomics and Personalised Therapy (E.S.P.T.) In memory of Prof. Gérard Siést †**  
*S. Visvikis-Siést*

**14:30 - 16:00 EEPHARM General Assembly**

**14:00 - 16:00 Parallel Sessions organized by Industry**

**14:00 - 15:00 CYPRO**  

**15:00 - 16:00 ZEINCRO** 

**16:00 Closing Ceremony**  
*N. Drakoulis*





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