



7th EACPT Summer School

in Clinical Pharmacology and Therapeutics

www.eacpt-greece.gr



Final Program

19-22 September 2009

Alexander Beach Hotel

Alexandroupolis - Greece



ΔΗΜΟΣ
ΑΛΕΞΑΝΔΡΟΥΠΟΛΗΣ



ΝΟΜΑΡΧΙΑΚΗ ΑΥΤΟΔΙΟΙΚΗΣΗ
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Welcome

Dear colleagues and friends,

We are delighted to welcome you to Greece and Alexandroupolis for the **7th European Summer School on Clinical Pharmacology and Therapeutics**, jointly organised by the European Association of Clinical Pharmacology and Therapeutics (EACPT) and the Greek Society of Pharmacology and Clinical Pharmacology. The department of Pharmacology of the Medical School of Democritus University of Thrace has the honour of hosting the Summer School. We are also delighted that many eminent clinical pharmacologists from Greece and several other European countries will be joining us.

The EACPT Summer School aims to improve the knowledge and skills of young colleagues interested in Clinical Pharmacology. A broad spectrum of topics will be covered, including the basic principles and emerging topics in Clinical pharmacology, as well as three special sessions focusing on Pharmacogenomics / Personalized Medicine, Clinical trials, and Cardiovascular Drugs. Alexander beach, the venue of the Summer School, is a 5-star hotel adjacent to the beach and provides a modern conference centre and facilities as well as excellent opportunities for relaxation. We hope that the whether –which is usually pretty summery in this area at this time of the year – will keep up to its promises also this year, and make your participation in the School a pleasant scientific experience combined with a few days of relaxation in the sun.

Alexandroupolis, guest town for this Summer School, is a seaside town located in Thrace, at the eastern corner of North Greece, very close to the Greek border with Turkey and Bulgaria. It combines the charm and relaxed environment of a small seaside town with a multicultural atmosphere due to its near border location. Also,

you will not have to travel far to find several other attractions and places of interest within easy reach. The staff of the hotel and the School Secretariat will be more than happy to provide you with any information and assistance you may need.

We cordially welcome you to the 7th EACPT Summer School, we hope you that it is a very fruitful experience and that you will take many happy memories of Evros home with you.

With best regards,

Vangelis G. Manolopoulos

Chair, Organising Committee of
7th EACPT Summer School

Ingolf Cascorbi

Chairman of EACPT

COMMITTEES

Organising Committee

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Assoc. Prof. Charis Liapi, *Athens*

Assist. Prof. Evangelia Papadimitriou, *Patras*

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Achilleas Gravanis, *Prof. of Pharmacology, Crete University*

Christodoulos Flordellis, *Prof. of Pharmacology, Patras University*

George Karakioulakis, *Prof. of Pharmacology, Thessaloniki University*

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Marios Marselos, *Prof. of Pharmacology, Ioannina University*

Andreas Papapetropoulos, *Prof. of Pharmacology, Patras University*

Zeta Papadopoulou-Daifoti, *Prof. of Pharmacology, Athens University*

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Assoc. Prof. Dmitry Sychev (*Russia*)

Prof. F. Cankat Tulunay (*Turkey*)

Prof. Adam Vas (*Hungary*)

SCIENTIFIC PROGRAM

Saturday, 19 September 2009

- 18.30-21.00** Registration desk opens
20.00-20.20 Opening ceremony
20.20-21.10 *Opening plenary lecture:* Chair: Munir Pirmohammed (UK)
Marios Marselos (GR): Safety and public health issues in the approval of new medicinal products
21.10-23.00 *Welcome Reception*

Sunday, 20 September 2009

Session 1: General principles of Clinical Pharmacology

CHAIRS: Adam Vas (HUN) / Vassilios Kokkas (GR)

- 09.00-09.40** **Ingolf Cascorbi (DE)** Clinical Pharmacology. Past, present and future
09.40-10.20 **Ekaterini Chatzaki (GR):** Basic concepts in Pharmacokinetics and Pharmacodynamics
10.20-11.00 **Adam Vas (HUN):** Bioequivalence and biosimilarity
11.00-11.30 *Coffee break*
11.30-12.10 **Milica Prostran (SER):** Drug interactions
12.10-12.50 **Vassilios Kokkas (GR):** Drug use in the elderly
12.50-13.30 **Charis Liapi (GR):** Safely prescribing in pregnancy and lactation
13.30-15.00 *Lunch break*

Session 2: Rational Drug Usage/Pharmacoeconomy/ Pharmacoepidemiology

CHAIRS: F. Cankat Tulunay (TUR)/
George Karakioulakis (GR)

- 15.00-15.40** **Nicholas Moore (FR):** Pharmacoepidemiology
15.40-16.20 **Dimitris Kouvelas (GR):** Basic principles of
Rational drug prescribing
16.20-17.00 **Milos Stojiljkovic (SER):** Scandinavian model of
pharmacotheapeutic counselling
17.00-17.30 **Coffee break**
17.30-18.10 **Mary Geitona (GR):** Introduction to
Pharmacoeconomics
18.10-18.50 **F. Cankat Tulunay (TUR):** Rational drug usage
and pharmacoeconomy
18.50-19.30 **Ostin Mungiu (ROM):** Drug utilisation in
South-Eastern Europe: Romanian experience in
implementing the new opioid medical use law
19.30-20.20 Plenary lecture: **CHAIR:** Ingolf Cascorbi (DE)
Munir Pirmohamed (UK): Adverse Drug Reactions

Monday, 21 September 2009

Session 3: Pharmacogenomics /Personalized Medicine (part 1)

CHAIRS: Ingolf Cascorbi (DE)/
Asterios Tsiftoglou (GR)

- 08.30-09.20** **Munir Pirmohamed (UK):** Introduction to
pharmacogenomics
09.20-09.55 **Ioannis Charalambopoulos (GR):** Novel
technologies, moral and financial issues in
pharmacogenomics
09.55-10.30 **George Patrinos (GR):** Pharmacogenomics in
translational medicine

10.30-11.00 *Coffee break*

11.00-11.40 **Ingolf Cascorbi (DE):** Individualized pharmacotherapy in oncology

11.40-12.20 **Emil Gatchev (BUL):** Personalized prescribing of antimicrobial drugs

12.20-13.00 **Raphael Sandaltzopoulos (GR):** The potential of epigenetics to lead to development of novel drugs

13.00-15.00 *Lunch break*

Session 4: Pharmacogenomics/Personalized Medicine (part 2)

CHAIRS: Milica Prosnam (SER)/
Andreas Papapetropoulos (GR)

15.00-15.30 **Vangelis Manolopoulos (GR):** Genotype-guided dosing of coumarin derivatives: The EUropean Pharmacogenetics of AntiCoagulant Therapy (EU-PACT) Consortium

15.30-16.00 **Adam Vas (HUN):** The European Innovative Medicines Initiative project

16.00-16.40 **Nikos Drakoulis (GR):** Biomarkers in drug response

16.40-17.00 *Coffee break*

Session 5: Emerging Topics in Clinical Pharmacology

CHAIRS: Ostin Mungiu (ROM)/
Marios Marselos (GR)

17.00-17.40 **George Karakioulakis (GR):** Life-style drugs

17.40-18.20 **Andreas Papapetropoulos (GR):** The present and future of biological therapies (monoclonal antibodies)

18.20-19.00 **Asterios Tsiftoglou (GR):** Cellular therapies and tissue regeneration: scientific and regulatory aspects"

- 19.00-19.50** *Plenary lecture: CHAIR: Marios Marselos (GR)*
Ingolf Cascorbi (DE): Mechanisms of drug resistance
- 21.00-24.00** *Official Conference Pool Dinner*

Tuesday, 22 September 2009

Session 6: Clinical Trials

- CHAIRS:** Milos Stojiljkovic (SER)/
 Nikos Papanas (GR)
- 09.00-09.50** **Nikos Sitaras (GR):** Introduction to Clinical Trials: How to design, execute and validate a Clinical Study
- 09.50-10.30** **Violeta Stanimirovic (SER):** Importance of clinical pharmacology knowledge for evaluation of the clinical aspects of drug registrational documentation
- 10.30-11.00** *Coffee break*
- 11.00-11.40** **Emil Gatchev (BUL):** Clinical trials in Eastern Europe
- 11.40-12.20** **Gregory Sivolapenko (GR):** Ethical, financial and regulatory aspects of clinical trials
- 12.20-13.00** *Special lecture* **CHAIR: Vangelis Manolopoulos (GR)**
Ostin Mungiu (ROM): Clinical Pharmacology vs Clinical Pharmacy: convergent and divergent opinions
- 13.00-14.00** *Lunch break*

Session 7: Cardiovascular Drugs (in collaboration with the Atherosclerosis Society of North Greece)

CHAIRS: George Sakadamis (GR)/
Emil Gatchev (BUL)

14.00-14.40 Christos Manes (GR): Recent developments of Antidiabetic drugs

14.40-15.20 Anna Tavridou (GR): Novel pharmacologic approaches against atherosclerosis

15.20-16.00 Dimitris Stakos (GR): From genes to Cardiovascular Drug response

16.00-16.15 Concluding Remarks (Adam Vas, Vangelis Manolopoulos)

LIST OF SPEAKERS/CHAIRS

- Ingolf Cascorbi**, *Professor and Head*, Christian Albrechts University Kiel and chair of the Institute of Pharmacology at the University Hospital Schleswig-Holstein, Kiel, **Germany**
- Ioannis Charalambopoulos**, *Lecturer*, Laboratory of Pharmacology, Medical School, University of Crete, Heracleion, **Greece**
- Ekaterini Chatzaki**, *Assistant Professor*, Laboratory of Pharmacology, Medical School, Democritus University of Thrace, Alexandroupolis, **Greece**
- Nikos Drakoulis**, *Assistant Professor and Head*, Laboratory of Clinical Pharmacology, Department of Pharmacy, National and Kapodistrian University of Athens, Athens, **Greece**
- Emil Gatchev**, *Professor and Head*, Department of Clinical Pharmacology and Therapeutics, University Hospital 'Queen Giovanna', Sofia, **Bulgaria**
- Mary Geitona**, *Assistant Professor*, Department of Economics, University of Thessaly, Volos, **Greece**
- George Karakioulakis**, *Professor and Head*, 2nd Laboratory of Pharmacology, Medical School, Aristotle University of Thessaloniki, Thessaloniki, **Greece**
- Vassilios Kokkas**, *Professor and Head*, Laboratory of Pharmacology, Medical School, Aristotle University of Thessaloniki, Thessaloniki, **Greece**
- Dimitrios Kouvelas**, *Associate Professor*, 2nd Laboratory of Pharmacology, Medical School, Aristotle University of Thessaloniki, Thessaloniki, **Greece**
- Charis Liapi**, *Associate Professor*, Laboratory of Pharmacology, Medical School, National and Kapodistrian University of Athens, Athens, **Greece**
- Christos Manes**, *Head*, Department of Internal Medicine and Diabetes Center, University Hospital G. Papageorgiou, Thessaloniki, **Greece**

Vangelis Manolopoulos, *Associate Professor*, Laboratory of Pharmacology, Medical School, Democritus University of Thrace, Alexandroupolis, **Greece**

Marios Marselos, *Professor and Head*, Laboratory of Pharmacology, Medical School, University of Ioannina, Ioannina, **Greece**

Nicholas Moore, *Professor and Head*, Service Hospitalo-Universitaire de Pharmacologie, Université de Bordeaux, Bordeaux, **France**

Ostin C. Mungiu, *Professor and Head*, Department of Pharmacology, University of Medicine and Pharmacy Gr.T. Popa, Iasi, **Romania**

Nikos Papanas, *Assistant Professor*, Department of Internal Medicine, Democritus University of Thrace, Alexandroupolis, **Greece**

Andreas Papapetropoulos, *Professor and Head*, Laboratory of Molecular Pharmacology, Department of Pharmacy, University of Patras, Patras, **Greece**

George Patrinos, *Assistant Professor*, Laboratory of Molecular Pharmacology, Department of Pharmacy, University of Patras, Patras, **Greece**

Munir Pirmohamed, *Professor and Head*, Laboratory of Pharmacology and Therapeutics, Department of Biomedical Sciences, University of Liverpool, Liverpool, **United Kingdom**

Milica Prostnan, *Professor and Head*, Department of Pharmacology, Clinical Pharmacology and Toxicology, School of Medicine, University of Belgrade, Belgrade, **Serbia**

George Sakadamis, *Professor and Head*, 2nd Department of Cardiology, Aristotle University, Hippocraton Hospital, Thessaloniki, **Greece**

Raphael Sandaltzopoulos, *Associate Professor*, Department of Molecular Biology and Genetics, Democritus University of Thrace, Alexandroupolis, **Greece**

Nikos Sitaras, *Associate Professor*, Laboratory of Pharmacology, Medical School, National and Kapodistrian University of Athens, Athens, **Greece**

Gregory B. Sivolapenko, *Associate Professor and Head*, Pharmacokinetics Laboratory, Department of Pharmacy, University of Patras, Patras, **Greece**

Dimitris Stakos, *Lecturer*, Department of Cardiology, Medical School, Democritus University of Thrace, Alexandroupolis, **Greece**

Violeta Stanimirovic, *Clinical Pharmacologist*, Expert of the Medicines and Medical Devices Agency of Serbia-ALIMS, Belgrade, **Serbia**

Milos Stojiljkovic, *Clinical Pharmacologist*, Actavis Trading Ltd. - Representative Office Belgrade, Novi Beograd, **Serbia**

Anna Tavridou, *Assistant Professor*, Laboratory of Pharmacology, Medical School, Democritus University of Thrace, Alexandroupolis, **Greece**

Asterios Tsiftoglou, *Professor and Head*, Laboratory of Pharmacology, Department of Pharmacy, Aristotle University of Thessaloniki, Thessaloniki, **Greece**

F. Cankat Tulunay, *Professor and Head*, Department of Pharmacology and Clinical Pharmacology, Ankara University Medical School, Ankara, **Turkey**

Adam Vas, *Clinical Pharmacologist*, Chemical Works of Gedeon Richter Plc, Budapest, **Hungary**

GENERAL INFORMATION

Dates

September 19-22, 2009

Congress Venue

Alexander Beach Hotel and Convention Centre
2nd km National Road Alexandroupoli-Komotini
GR 68100 Alexandroupoli, Greece
Tel.: (+30) 25510 39290 - Fax: (+30) 25510 39070
<http://www.alexbh.gr>



Location

The Alexander Beach Hotel and Convention Centre is built in a beautiful coastal locality of 24 acres in a suburb of Alexandroupolis in the western entry of city.

The centre of Alexandroupolis is walking distance from the Hotel. Alternatively you may reach the city centre by taxi or by urban transport (exists regular urban transport every 30 minutes).

Conference Website

You may visit www.eacpt-greece.gr to get all relevant information.

Official Language

The official language of the congress is English. Simultaneous translation is not provided.

Mobile Phones

Participants are kindly requested to deactivate their mobile phones inside the congress hall during the sessions.

Social Events

The **Opening Ceremony & Reception** will take place on Saturday, 19th September 2009.

The **Gala Dinner** will take place on Monday, 21st September 2009.

Certificate of Attendance

Certificates of attendance will be provided on request by the Conference Secretariat on the last day of the Conference.

Accreditation



Hellenic Society of General Medicine has granted the Conference with 24 CME credits for Continuing Medical Education.

Interesting Websites

City of Alexandroupolis, www.alexandroupolis.com
 Greek National Tourism Organisation, www.eot.gr
 Hellenic Ministry of Culture, www.culture.gr

Electricity

Electricity is 220 V/50 Hz. Plugs are the standard continental (DIN) type with two round pins.

Special Needs

Delegates and accompanying persons with disabilities are invited to advise the Conference secretariat of any special requirements.

Credit Cards

All major credit cards are accepted in almost all hotels, shops and restaurants. Stickers in the front windows will advise you as to which cards are accepted.

Banks

Banks are open from Monday to Thursday 8:00-14:30 and on Friday 8:00-14:00; on Saturdays and Sundays they are closed. ATMs are widely available in Greece for Master, Diners, American Express or Visa cardholders.

Currency

The Euro is the official currency of Greece. Foreign currency, traveler's checks and Eurocheques can be exchanged at the bureaux the change at the airport bank upon arrival or at the hotel or at banks located throughout Alexandroupolis.

Climate

The climate in Greece is mostly dry and temperate. In Alexandroupolis, Greece, the climate is typical Mediterranean with mild winters. The temperature ranges between 20°C and 30°C in September.

Registration

Registration type	On-site
Delegate	250€
Undergraduate Students (incl. Congress material)	100€
Undergraduate Students	Free

Delegate & Undergraduate Students Fee (incl. Congress material) includes:

- ✧ Access to all Congress sessions
- ✧ Lunches & coffees during the breaks of all the Congress days
- ✧ Congress material
- ✧ Opening Ceremony & Reception on Saturday 19th September 2009
- ✧ Gala Dinner on Monday 21st September 2009
- ✧ Certificate of attendance

Undergraduate Students Fee (free) includes:

- ✧ Access to the Congress sessions
- ✧ Congress program
- ✧ Certificate of attendance

Congress Secretariat

Triaena Tours & Congress S.A.



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- Παράγουμε με αυστηρές διεθνείς προδιαγραφές παραγωγής που ορίζονται από τις διαδικασίες των GMPs, GLPs και ISO 9001-2000, εξασφαλίζοντας την ποιότητα των σκευασμάτων μας
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- Αναλαμβάνουμε ουσιαστική Κοινωνική ευθύνη με την υποστήριξη πολυτέκνων οικογενειών και των πληγέντων από καταστροφές



Φροντίδα για τον άνθρωπο

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