

PROGRAM

Friday May 23d

08.30-10.00 Registration- - Poster mounting

Chairperson: *Assoc. Prof H. Carageorgiou-Assoc.Prof M. Mironidou-Tzouveleki*

9.20-11.15 Oral communications

1. The role of oxidative and nitrosative stress mechanisms in symptomatic carotid disease

F. Sigala¹, A. Papalambros², K. Filis¹, S. Markantonis³, M. Demopoulou⁴, P. Sigalas², A. Kotsinas², A. Niforou², B. Gorgoulis², I. Andreadou⁴

¹First Department of Surgery, ²Department of Histology and Embryology, Medical School, University of Athens, ³Laboratory of Biopharmaceutics and Pharmacokinetics, ⁴Department of Pharmaceutical Chemistry, School of Pharmacy, University of Athens

2 Efficacy of amlodipine in older hypertensive patients (>55years) not controlled with inhibitors of the renin-angiotensin system or beta blockers

P.Semertzidis , S.Douma , K.Petidis , A.Triantafyllou , E.Galiagousi , P.Papaefthimiou , N.Papadopoulos , N.Kartali , A.Pyrpasopoulou , M.Doumas , C.Zamboulis 2nd Propedeutic Department of Internal Medicine, Hippokration Hospital, University of Thessaloniki, Greece.

3. Hypolipidaemic and Antioxidant Properties of Novel Squalene Synthase Inhibitors.

A. Matralis and A. Kourounakis

Div. of Medicinal Chemistry, Dept. of Pharmacy, University of Athens, 15771 Zografou, Greece.

4. The effect of Orlistat on blood glucose and body weight in an onset diabetic rat model

M. Mironidou-Tzouveleki¹, A. Anogeianaki², Ch. Dokos¹, D. Koutsonikolas², J. Liagouris², G. Anogianakis²

1. A' Laboratory of Pharmacology, Medical School, Aristotle University of Thessaloniki, Greece

2. Department of Experimental Physiology, Medical School, Aristotle University of Thessaloniki, Greece.

5. Occupational exposure of health care workers to chemotherapeutic agents: a study in Greek hospitals

Th.C. Constantinidis^{1,2}, E. Vagka¹, P. Dallidou¹, P. Basta¹, V. Drakopoulos³, E. Chatzaki^{1,4}.

1. M.Sc. in "Health and Safety in Workplaces", School of Medicine, Democritus University of Thrace (DUTH) in cooperation with Technological Educational Institution of Athens, Alexandroupolis
2. Lab. of Hygiene and Environmental Protection, School of Medicine, DUTH, Alexandroupolis
3. Hellenic Institute of Occupational Health and Safety, Athens
4. Lab. Pharmacology, School of Medicine, DUTH, Alexandroupolis

6.Quality of perioperative chemoprophylaxis in General Surgery: Preliminary results of ASPPOC in South Europe

P. Papaioannidou, A. Kamaroudis, V. Vlahovic-Palcevski, A. Sabo, L. Pejakov, B. Beovic, R. Velickovic-Radovanovic, E. Karamanlis, A. Raskovic, C. Papanikolaou, M. Jakovljevic, H. Karageorgiou, I. Diamantis, G.M. Benoni, L. Cuzzolin, J. Petrovic, S. Jankovic, G. Hatzitheoharis, G. Velo, N. Harlaftis, Th. Gerasimidis

Multicentric Study

7. Hepatic drug metabolizing efficacy modifications after exposure to stress.

E.P.Daskalopoulos¹, G.Rentesi¹, M.A.Lang², M.Marselos¹ M.Konstandi^{1*}.

¹Dept of Pharmacology, School of Medicine, University of Ioannina, Ioannina GR-45110, Greece

²University of Uppsala, Faculty of Pharmacy, Division of Biochemistry, Box 578S75123, Uppsala, Sweden .

8. The role of polymorphisms in 5-HT_{2c} receptor gene in type 2 diabetes mellitus and obesity in the Caucasian population

M. Iordanidou¹, A. Tavridou¹, M. V. Vasseiliadis², K. I Arvanitidis¹, J. Petridis¹, D. Christakidis², V. G Manolopoulos¹

¹Laboratory of Pharmacology and Clinical Pharmacology, Medical School, Democritus University of Thrace, Alexandroupolis, Greece

²Outpatient Diabetic Medical Clinic, Department of Internal Medicine, Alexandroupolis, Thrace, Greece

9.Frequencies of eNOS gene polymorphisms -786T>C and 894G>T in the Greek population

G.Ragia¹, A.Tavridou¹, K.Arvanitidis¹, E.Nikolaidis², G.Bougioukas², V. G. Manolopoulos¹ 1Department of Pharmacology and 2Department of Cardiothoracic Surgery, Democritus University of Thrace Medical School, Alexandroupolis, Greece.

10 In vivo evaluation of CYP1A2 and CYP2A6 activities in a Greek population during menopause.

E. Begas, E. Kouvaras, V. Tsiokou, and E.K. Asproдини Laboratory of Pharmacology, School of Medicine, University of Thessaly, Greece.

11.Evidence-based evaluation of Emergency Care treatment algorithms: 15 dominant myths

Ch. Pourzitaki¹, Th. Tzellos¹, Ch. Sardeli¹, G. Papazisis¹, E. Amaniti², D. Kouvelas¹

¹Department of Pharmacology, School of Medicine, Aristotle University of Thessaloniki ²Anesthesiology Clinic and ICU, AHEPA Hospital, School of Medicine, Aristotle University of Thessaloniki .

11.15-11.30 Coffee

Chairperson: Assoc. Prof D. Kouvelas

11.30-12.15 Neuroprotection: The difficult journey from the bench to the bedside Prof. C Sampaio

12.15-12.40 Wellcome address

Chairperson: Prof B. Kokkas

12.40- 13.10 Sex differences in drug response Prof. Z. Papadopoulou-Daifoti

13.10 -13.40 Pathophysiology of osteoplastic metastasis in prostate cancer: Therapeutic implications Prof M Koutsilieris

13.40 -14.10 Modern therapy of multiple myeloma Prof. A. Dimopoulos

14.10-15.00 Light Lunch –Poster viewing

15.00-17.00. Round Table I

Neuroregenerative Pharmacology

Coordinator: Prof. A. Gravanis

Micromolecular compounds with neuroregenerative functions Prof A. Gravanis

Neuronal stem cells Dr E. Reboutsika

Genetically modified stem cells in the treatment of neurodegenerative diseases Dr R. Matsa

Mesenchymal stem cells in therapeutics Prof N. Anagnou

Cellular substitution therapies: new sources, promises and problems Dr M. Mangoura

Panel discussion- Conclusions

Chairperson: E. Manolopoulos.

17.00 -17.40 Advanced Therapies Medicinal Products Regulatory Frame in European Union
Prof. A. Tsiftoglou

17.40-17.50 Coffee

17.50-19.50 Round Table II

Natural products and Health. Safety and Effectiveness

Coordinator: Assoc. Prof. I. Chinou

Viewpoint of the regulatory Authorities- German Experience Dr W. Knöss

The legal situation regarding the use of vitamins, minerals and certain other ingredients in foods Dr B. Mathioudakis

Herbal and dietary supplement – drug interactions: evidence for their clinical significance Assoc. Prof P Galanopoulou-Couvri

Medical foods and dietary supplements: minimal requirements for safe clinical use
Prof T.C. Theoharides

Panel discussion- Conclusions

Saturday May 24th

Chairperson: Assoc. Prof E. Papadimitriou-

08.50 -10.45 Oral communications

1. Behavioral effects and dopaminergic indices following THC administration in two rat phenotypes.

O. Choulia¹, A. Polissidis², M. Dosi¹, A. Galanopoulos², E.Tzavara³, M. Marselos¹, Z. Papadopoulou-Daifoti², C. Spyra[†], K. Antoniou¹. ¹ Department of Pharmacology, Medical School, University of Ioannina, 45110 Ioannina, Greece ² Department of Pharmacology, Medical School, University of Athens, 11527 Athens, Greece ³ INSERM U-513, Neurobiology and Psychiatry, Faculty of Medicine, 8, rue du Général Sarraill, 94010, Creteil, France .

2. Long-term consequences of early maternal deprivation in behavioral and neurobiological responses of adult rat.

G. Rentesi¹, K. Antoniou¹, M. Marselos¹, M.Syrrou² and M. Konstandi¹

¹Department of Pharmacology and

²Department of Biology, School of Medicine, University of Ioannina, GR-45110 Ioannina, Greece

3 Genotoxic and cytostatic effect of atypical antipsychotic drugs in normal human lymphocytes cultures

Z. Iakovidou-Kritsi, K. Akritopoulou, M.T. Ekonomopoulou, T. Lialiaris, D. Mourelatos and E. Mioglou-Kalouptsi
Laboratory of General Biology and Genetics, Medical School, Aristotle University of Thessaloniki, Greece

4. Corticotropin Releasing Factor (CRF) and liver apoptosis

E. Chatzaki^{1,3}, C. Pasxos¹, M. Lambropoulou², S. Anagnostoulis¹, Ch. Charsou³, E. Chouridou¹, E. Michailidou¹, F. Papachristou⁴, Th. C. Constantinidis⁵, C. Simopoulos. 1: M.Sc. in HPB Surgery, 2: Laboratory of Histology, 3: Laboratory of Pharmacology, 4: Laboratory of Experimental Surgery, 5: Laboratory of Hygienic and Environmental Protection, School of Medicine, DUTH, Alexandropoulos

5 Differential Expression of Matrix Metalloproteinases 2 and 9 in Basal Cell Carcinoma, Photo-Exposed and Photo-Protected Skin

Th. Tzellos¹, I. Klagas¹, E. Papakonstantinou¹, K. Vahtsevanos², S. Triaridis³, Ath. Kyrgidis², Ath. Printza³, E. Zvintzou¹, G. Karakiulakis¹

¹Dpt of Pharmacology and ³1st Academic Otorhinolaryngology Dpt, School of Medicine, Aristotle University of Thessaloniki,

²Department of Oral and Maxillofacial Surgery, Theageneion Anticancer Hospital, Thessaloniki, Greece

6 The selective 5-HT₆ receptor antagonist Ro 04-6790 attenuates psychotomimetic effects of the NMDA receptor antagonist MK-801

N. Pitsikas¹, S. Zisopoulou¹, I. Pappas², N. Sakellaridis¹

¹Department of Pharmacology, School of Medicine, University of Thessaly, Larissa, Greece

²Department of Pharmacology, School of Veterinary Medicine, University of Thessaly, Karditsa, Greece

7 Effect of somatostatinergic analogues on the ischemia-induced release of [³H]-D-Aspartate and [³H]-GABA from rat retina and hippocampus

V. Sourlas, V. Athanasiou, A. Vasilaki

Lab of Pharmacology, Faculty of Medicine, University of Thessaly Mezourlo, 41111 Larissa, Greece.

8 The C-termini of the μ - and δ - opioid receptors differentially bind to Signal Transducers and Activators of Transcription, STAT5A and STAT5B

E.-M. Georganta, G. Mazarakou, A. Agalou, Z. Georgoussi*

Laboratory of Cellular Signaling and Molecular Pharmacology, Institute of Biology, National Center for Scientific Research «Demokritos», Ag. Paraskevi Attikis 153 10 Athens, Greece.

9. Synthetic spiro-neurosteroid analogs exerting structure-specific neuroprotective effects

I. Charalampopoulos^{1#}, V. Minas^{1#}, N. Avlonitis², T. Calogeropoulou² and A. Gravanis¹

¹Departments of Pharmacology, School of Medicine, University of Crete, Heraklion 71003, and ²Institute of Organic and Pharmaceutical Chemistry, National Hellenic Research Foundation, Athens 15258, Greece.

Chairperson: Prof G. Karakiulakis

10 45 – 11. 25 "Changes in pharmacological and functional properties of human 5-HT receptors by genetic, splice and subunit variation". Prof M. Goethert

11.25- 11.40 Coffee

Chairperson: Prof M. Maragoudakis.

11.40 -12.20 The role of nuclear receptors in the regulation of CYPs Prof. P. Honkakoski

12.20 -12:50 Multi-drug targeting as a new basis in Pharmacology Prof. C Flordellis

12:50- 14:15 Round Table III

'Neurobiological mechanisms underlying drug addiction: is there a common pathway?'

Coordinator: Prof T. Duka

Psychological perspectives in drug of addiction T. Duka

Drugs and natural rewards G. Dichiara

Using neuroimaging to investigate the neurobiology of addiction A Lingford-Hughes

Genetic approaches to study the neurobiology of nicotine addiction S. King

Panel discussion- Conclusions

14.15-15.15 Light Lunch –Poster viewing

Chairperson: Prof N. Sakellaridis

**15.15-15.45 Biological factors: New perspectives in the treatment of autoimmune diseases
Dr P. Athanasiou**

15.45-16.30 Greek people: responsibilities and consequences of the European first place in

antibiotic overuse and the resistance of microbes to antibiotics *Prof H. Giammarelou*

16.30-18.30 EPHAR Round Table

Education in Pharmacology

Coordinator: Prof Th. Theoharides

Pharmacology: From basic principles to Translational Medicine to Clinical Practice

Prof T.C. Theoharides

Medical Curriculum between Sharpening Universities' Individual Profiles and the need for Speed: Effects on Pharmacology Teaching in Austria *Prof T Griesbacher*

How can we best prepare medical students to be safe and effective prescribers? *Dr S. Maxwell*

Knowledge or Attitude? *Assoc, Prof J S Papadopoulos*

Panel discussion- Conclusions

18.30-18.45 Coffee

18.45-19.30 General Assembly of the Hellenic Society of Pharmacology

20.00 Congress Dinner