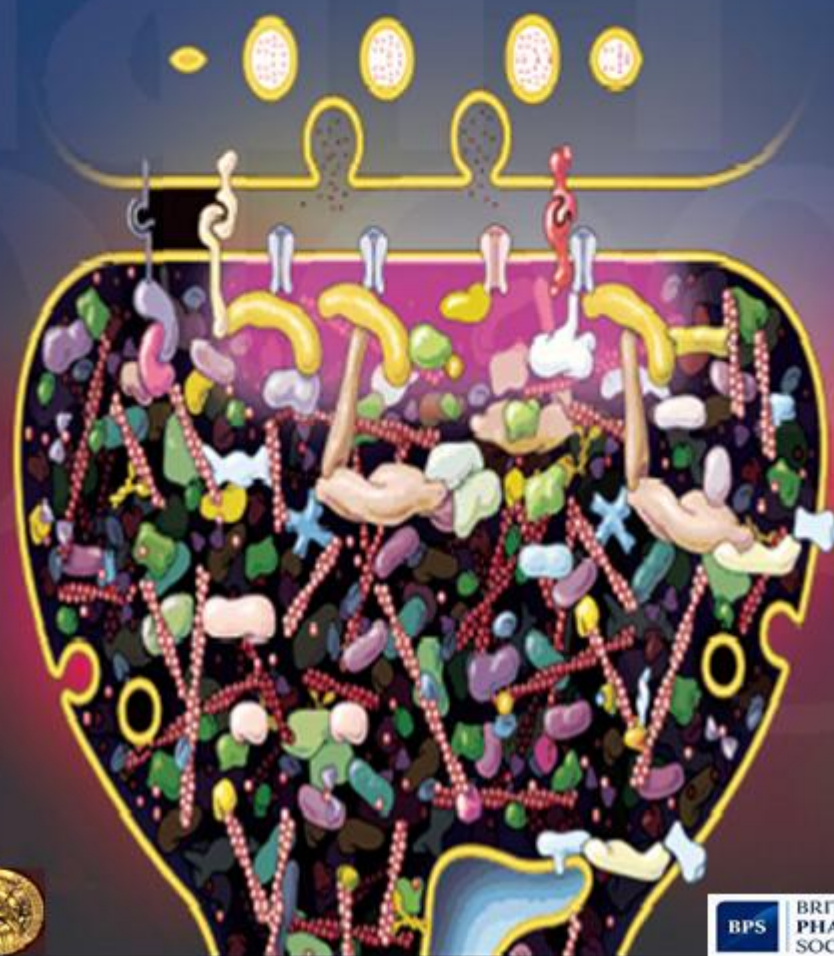


6th Annual Meeting Greek Society of Pharmacology

4 - 6 JUNE 2010

UNIVERSITY OF CRETE, FACULTY OF MEDICINE, HERAKLION - CRETE



BPS | BRITISH
PHARMACOLOGICAL
SOCIETY

ORGANIZING COMMITTEE

Chair: K. Thermos, Professor of Pharmacology

Members: I. Charalampopoulos, Lecturer of Pharmacology
N. Drakoulis, Associate Professor of Pharmacology
A. Gravanis, Professor of Pharmacology
D. Kouvelas, Professor of Pharmacology
G. Liapakis, Assistant Professor of Pharmacology
C. Liapi, Associate Professor of Pharmacology
E. Manolopoulos, Associate Professor of Pharmacology
M. Marselos, Professor of Pharmacology
E. Papadimitriou, Associate Professor of Molecular Pharmacology
N. Sakellaridis, Professor of Pharmacology
V. Zachariou, Assistant Professor of Pharmacology

SCIENTIFIC COMMITTEE

Chair: M. Maragoudakis, Professor of Pharmacology

Members: D. Boumpas, Professor of Internal Medicine
C. Flordelis, Professor of Pharmacology
V. Georgoulis, Professor of Medical Oncology
A. Gravanis, Professor of Pharmacology
G. Karakioulakis, Professor of Pharmacology
V. Kokkas, Professor of Pharmacology
V. Kotsaki-Kovatsi, Professor of Pharmacology
G. Kounenis, Professor of Pharmacology
M. Marselos, Professor of Pharmacology
I. Pallikaris, Professor of Ophthalmology
Z. Papadopoulou-Daifoti, Professor of Pharmacology
A. Papapetropoulos, Professor of Pharmacology
N. Sakellaridis, Professor of Pharmacology
T. Sklaviadis, Professor of Pharmacology
K. Thermos, Professor of Pharmacology
S. Tsiftoglou, Professor of Pharmacology

AWARDS COMMITTEE

Chair: V. Zachariou

Members: K. Antoniou
S. Topouzis
A. Vasilaki

Secretariat: Mary Adamaki

Dear colleagues,

On behalf of the organizing committee of the 6th Meeting of the Greek Society of Pharmacology, I welcome you to the Faculty of Medicine of the University of Crete in Heraklion. The Greek Society of Pharmacology was inaugurated in 1984 by a few members of Academia in Greece. We are still a small society, yet we have an active voice in EPHAR and IUPHAR. Our members, present in academia, research institutes and hospitals all over Greece, are actively involved in basic and clinical research.

The goal of our Society is to promote a forum for discussion on state of the art issues in Pharmacology and to provide the opportunity especially to our young colleagues, to meet, interact and discuss issues with prominent scientists from all over the world. Innovations in Pharmacology teaching is also of primary interest to the Society, since we want to guarantee the best training possible that will assist the medical doctor, pharmacist or doctor-scientist in the decades to follow.

I welcome you again, and I wish you a fruitful meeting and a pleasant stay in Heraklion.

A handwritten signature in dark ink, appearing to read 'K. Thermos', with a stylized, cursive script.

Kiki Thermos
Professor of Pharmacology
Chair of the Organizing Committee

Friday, June 4 2010

15:00-20:00	Registration
17:00-17:15	Opening Welcome Session K. Thermos, Chair of Organizing Committee J. Papamatheakis, Vice-Rector of University of Crete O. Zoras, Dean Faculty of Medicine Ch. Liapi, President of Greek Society of Pharmacology
17:15-18:00	Plenary Lecture Chair: V. Zachariou Christos Christou <i>“Global needs-essential drugs-dispassionate medicine:The MSF perspective”</i> Member of Medecins Sans Frontières Evangelismos Hospital of Athens
18:00-20:00	SYMPOSIUM I: Cardiovascular Pharmacology Chairs: Z. Daifoti-Papadopoulou, I. Matsoukas John Catravas <i>“Anti-inflammatory Actions of Heat Shock Protein 90 Inhibitor”</i> Medical College of Georgia (USA)/University of Athens (Greece) Nikos Tsopanoglou <i>“Parstatin: a novel endogenous anti-angiogenic peptide with therapeutic applications”</i> University of Patras (Greece) Dimitris Beis <i>“Zebrafish models of Cardiovascular Disease”</i> Academy of Athens (Greece) Andreas Papapetropoulos <i>“Hydrogen sulfide (H₂S) as a signaling molecule in the cardiovascular system”</i> University of Patras (Greece)
20:00	Welcome Reception

Saturday, June 5 2010

10:00-11:30

SYMPOSIUM II: Novel Therapies in Retinal Disease and Neuroprotection

Chairs: M. Marselos, M. Tsilimbaris

Rafael Simo

“Advances in the medical treatment of diabetic retinopathy”
Universitari Vall d’Hebron (Spain)

Lois E.H. Smith

“Omega 3 fatty acids suppress retinopathy”
Harvard Medical School (USA)

Kyriaki Thermos

“New therapeutic targets in retinal disease”
University of Crete (Greece)

11:30-12:00

Coffee Break

12:00-13:30

SYMPOSIUM III: Drug Design

Chairs: G. Karakioulakis, G. Liapakis

Dimitris Grigoriadis

“Application of classic pharmacological principles to modern drug discovery.”
Neurocrine BioSciences Inc. (USA)

Ioannis Matsoukas

“Non-peptide mimetics: A new generation of drugs”
University of Patras (Greece)

George Kontopidis

“Peptidomimetic Inhibitors of Cyclin A and PCNA, discovery and design”
University of Thessaly (Greece)

13:30-15:00

Lunch and Posters

15:00-16:00

Oral Presentations

Chairs: Z. Georgoussi, D. Kouvelas

“STAT5B forms dynamic complexes with the δ -opioid receptor and selective G protein subunits”

Eirini-Maria Georganta, Adamantia Agalou and Zafiroula Georgoussi

Laboratory of Cellular Signaling and Molecular Pharmacology,
Institute of Biology, National Centre for Scientific Research
“Demokritos”, Athens

“Role of adrenoceptor signaling in PPAR α regulation”

Maria Konstandi, Yatrik M. Shah, Tsutomu Matsubara and Frank J. Gonzalez

Department of Pharmacology, Medical School, University of
Ioannina and Laboratory of Metabolism, NCI, National Institutes of
Health, Bethesda, MD

*“Possible Protective Effect of 2,3-dihydro-2H-1,4-Benzoxazine
Derivatives in a Prion Disease Model”*

Fani Koukouli, Evgenia Salta, Theodora Calogeropoulou, Theodoros Sklaviadis

Department of Pharmacology, School of Pharmacy, Aristotle
University of Thessaloniki
National Hellenic Research Foundation, Institute of Organic and
Pharmaceutical Chemistry, Athens

*“Nerve Growth Factor receptors mediate the neuroprotective effects
of Neurosteroid Dehydroepiandrosterone”*

Iakovos Lazaridis, Ioannis Charalampopoulos, Iosif Pediaditakis,
Paschalis Efstathopoulos, Nikolaos Avlonitis, Theodora
Calogeropoulou, Achilleas Gravanis

Department of Pharmacology, School of Medicine, University of
Crete, Heraklion
Institute of Organic and Pharmaceutical Chemistry, National
Research Foundation, Athens

*“Cocaine-induced effects are modulated by antagonism of
cannabinoid CB1 receptors”*

Alexia Polissidis, Andreas Galanopoulos, Martha Nikolaidou,
Evangelia Karyka, Marios Marselos, Zeta Papadopoulou-Daifoti and
Katerina Antoniou

Department of Pharmacology, Medical School, University of
Ioannina, Ioannina, Greece
Department of Pharmacology, Medical School, University of Athens,
Athens, Greece

*“Neurobiological Insights into the Chronic Mild Stress (CMS)
Model of Depression: Sex Differences in Serotonergic
Neurotransmission”*

Pothitos M. Pitychoutis, Christina Dalla and Zeta Papadopoulou-
Daifoti

16:00-16:30	Department of Pharmacology, Medical School, University of Athens, Athens, Greece Coffee Break
16:30-18:00	Symposium IV: Gene Transfer Models Chairs: D. Beis, T. Sklaviadis Dimitris Kardassis <i>“Adenoviral vectors in the treatment of HDL deficiencies”</i> University of Crete (Greece) Vanna Zachariou <i>“Adenoassociated vectors and neuropsychiatric disorders”</i> University of Crete (Greece) Nicholas D. Mazarakis <i>“Current advances in human gene therapy for Parkinson’s disease”</i> Imperial College London (United Kingdom)
18:00-18:30	Coffee Break
18:30-19:30	Plenary Lecture Chair: A. Gravanis Chrysoula Saatsoglou-Paliadeli <i>“A visit to Vergina”</i> Aristotle University of Thessaloniki (Greece)
21:30	Official Dinner

Sunday, June 6 2010

10:00-11:00	EPHAR Lecture <i>In memoriam: Prof P. Galanopoulou</i> Chair: Ch. Liapi
	David Dewhurst Innovations in Pharmacology Teaching University of Edinburgh (United Kingdom)

11:00-12:30

Symposium V

Pharmacology of New Biological Drugs

Chair: D. Boumpas, I. Charalampopoulos

Prodromos Sidiropoulos

“Biologic agents in rheumatic diseases: lessons learned and perspective”

University of Crete (Greece)

Vasileios Mastorodimos

“Emerging therapies in Multiple Sclerosis: Current concepts and future perspectives”

University Hospital (Heraklion, Crete, Greece)

Athanasios Pallis

“Biologic agents in the treatment of Non-Small-Cell Lung Cancer (NSCLC)”

University Hospital (Heraklion, Crete, Greece)

12:30-12:45

Coffee Break

12:45-13:45

Oral Presentations

Chairs: K. Antoniou, E. Papadimitriou

“Investigating the signal transduction pathways underlying remote ischaemic preconditioning in pigs”

Ioanna Andreadou, Efsthios K. Iliodromitis, Apostolos Papalois, George Gritsopoulos, Dimitra Karageorgiadi, Katerina Deli, Dimitrios Th. Kremastinos, Maria Anastasiou-Nana
Department of Pharmaceutical Chemistry, School of Pharmacy, University of Athens, Athens, Greece, 2nd University Department of Cardiology, Medical School, Attikon General Hospital, University of Athens, Athens, Greece

“Patterns of human Interleukin-8 (IL-8) gene expression during growth related changes and hemin-induced differentiation in K562 CML cells”

Sofia Georgiou and Asterios S. Tsiftoglou
Laboratory of Pharmacology, Department of Pharmaceutical Sciences, Aristotle University of Thessaloniki, Greece

“Interactions between carbon monoxide releasing molecules and nitric oxide donors in vascular tissue”

Antonia Marazioti, Padmamalini Baskaran, Mariarosaria Bucci, Csaba Szabo, Guiseppe Cirino, Carlos C. Romao, Ana Rita Marques, Annie Beuve & Andreas Papapetropoulos
Department of Pharmacy, Laboratory of Molecular Pharmacology, University of Patras, Patras, Greece; Department of Pharmacology, University of Medicine and Dentistry, Newark, New Jersey; Department of Experimental Pharmacology, Faculty of Pharmacy,

University of Naples-Federico II, Naples, Italy; Ikaria, Inc, Seattle, Washington; Alfama Inc, Lisbon, Portugal; Instituto de Tecnologia Quimica e Biologica, Universidade Nova de Lisboa, Oeiras, Portugal

“Role of pleiotrophin and its receptor protein tyrosine phosphatase β/ζ in vascular endothelial growth factor-induced endothelial cell migration”

Christina Theodoropoulou and Evangelia Papadimitriou
Laboratory of Molecular Pharmacology, Department of Pharmacy,
University of Patras, Patras, Greece

“A Novel Role of Endogenous Corticotropin-releasing hormone (Crh) on dermal Fibroblast Function”

Olga Rassouli, George Liapakis, Iakovos Lazaridis, George Sakellaris, Kostas Gkountelias, Achille Gravanis, Andrew N. Margioris, Katia P. Karallis and Maria Venihaki
Departments of Pharmacology and Clinical Chemistry, School of Medicine, University of Crete, Greece, Department of Pediatric Surgery, University Hospital of Heraklion, Greece, Developmental Biology Section, Biomedical Research Foundation of the Academy of Athens, Greece, Division of Endocrinology, Children’s Hospital, Boston, MA, USA

“Differential expression of proteoglycans in intrinsic and extrinsic skin ageing”

Thrasivoulos Tzellos, Xenophon Sinopidis, Konstantinos Vahtsevanos, Athanasios Kyrgidis, Stefanos Triaridis, Athanasia Printza, Ioannis Klagas, Evangelia Zvintzou, George Karakioulakis, Eleni Papakonstantinou
2nd Department of Pharmacology, School of Medicine, Aristotle University of Thessaloniki, Greece, 1st Department of Pediatric Surgery, G. Gennimatas Hospital, Aristotle University of Thessaloniki, Greece, Department of Oral and Maxillofacial Surgery, Theageneion Anticancer Hospital, Thessaloniki, Greece, 1st Academic Otorhinolaryngology Department, School of Medicine, Aristotle University of Thessaloniki, Greece

13:45-14:00

Closing Remarks, Awards

14:00-15:00

Business Meeting

Invited Speakers

Dimitris Beis, Investigator-Assistant Professor Level, Institute of Biomedical Research, Academy of Athens (GR)

John Catravas, Professor of Pharmacology, Medical College of Georgia, University of Athens (USA/GR)

Christos Christou, MD, Member of Medecins Sans Frontières, Evangelismos Hospital of Athens (GR)

David Dewhurst, Director of Educational Information Services, University of Edinburgh (UK)

Dimitris Grigoriadis, Vice President of Research, Neurocrine BioSciences Inc. (USA)

Dimitris Kardassis, Professor of Biochemistry, Faculty of Medicine, University of Crete (GR)

George Kontopidis, Assistant Professor of Biochemistry, Faculty of Veterinary Science, University of Thessaly (GR)

Nicholas D. Mazarakis, Lucas-Lee Professor of Molecular Bio-Medicine, Head of Department of Gene Therapy, Faculty of Medicine, Imperial College London (UK)

Vasileios Mastorodimos, MD, PhD, Department of Neurology, University Hospital, Heraklion (GR)

Ioannis Matsoukas, Professor of Chemistry, Department of Chemistry, University of Patras (GR)

Athanasios Pallis, MD, PhD, Department of Oncology, University Hospital, Heraklion (GR)

Andreas Papapetropoulos, Professor of Pharmacology, Department of Pharmacy, University of Patras (GR)

Chrysoula Saatsoglou-Paliadeli, Professor of Classical Archaeology, Aristotle University of Thessaloniki (GR)

Prodromos Sidiropoulos, Assistant Professor of Rheumatology, Faculty of Medicine, University of Crete (GR)

Rafael Simo, Professor of Medicine, Head of Diabetes and Metabolism Research Unit, Institut de Recerca Hospital Universitari Vall d'Hebron (ES)

Lois E.H. Smith, Professor of Ophthalmology, Harvard Medical School (USA)

Kyriaki Thermos, Professor of Pharmacology, Faculty of Medicine, University of Crete (GR)

Nikos Tsopanoglou, Assistant Professor of Pharmacology, School of Medicine, University of Patras (GR)

Venetia Zachariou, Assistant Professor of Pharmacology, Faculty of Medicine, University of Crete (GR)

SPONSORS

FACULTY OF MEDICINE

and

UNIVERSITY OF CRETE

BRITISH PHARMACOLOGICAL SOCIETY

PARIZIANOS PUBLICATIONS

PASCHALIDIS PUBLICATIONS

ARCHDIOCESE OF CRETE

ABBOTT LABORATORIES HELLAS S.A.

ADINSTRUMENTS LTD

ANTISEL

BIODIAGNOSTICS

BIOSOLUTIONS

BIOSURE

CRETACHEM

LAB SUPPLIES

PLASTIKA KRITIS

NOVARTIS HELLAS S.A.

SANOFI- AVENTIS

TARGETPHARMA

6th Meeting of the Greek Society of Pharmacology

University of Crete

Faculty of Medicine



Graduate Studies Amphitheatre

June 4-6, 2010

