

3rd SWEDISH-HELLENIC

LIFE SCIENCE RESEARCH CONFERENCE

National Hellenic Research Foundation - Örebro University



Programme



25–27 March 2010
Athens, Greece

Conference Venue:

National Hellenic Research Foundation
48 Vassileos Constantinou Avenue
Athens, Greece

Hosted by:

National Hellenic Research Foundation
(NHRF)

Conference Organisers:

- **Fragiskos Kolisis, Professor**
NHRF, Greece.
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3rd Swedish-Hellenic Life Science Research Conference

Organized by:

➤ National Hellenic Research Foundation (NHRF)

1. Institute of Biological Research & Biotechnology (IBRB)
2. Institute of Organic & Pharmaceutical Chemistry (IOPC)
3. Theoretical & Physical Chemistry Institute (TPCI)

➤ Örebro University:

1. School of Health and Medical Sciences, Division of Clinical Medicine
2. School of Science and Technology, Örebro Life Science Centre (ÖLSC)

Örebro University Organizing Committee:



- Allan Sirsjö, Professor, School of Health and Medical Sciences, Division of Clinical Medicine.
- Jana Jass, Assoc. Professor, School of Science and Technology, ÖLSC
- Per-Erik Olsson, Professor, Vice-Dean, Faculty of Business, Science and Engineering

Local Organizing Committee:

- Dr. Niki Chondrogianni, Institute of Biological Research & Biotechnology
- Dr. Maria Micha-Screttas, Deputy Director, Institute of Organic & Pharmaceutical Chemistry
- Dr. E.I. Kamitsos Director, Theoretical & Physical Chemistry Institute

THE NEW ACROPOLIS MUSEUM IN ATHENS



3rd Swedish-Hellenic Life Science Research Conference 24-27 March 2010, Athens, Greece PROGRAMME		
Thursday, 25 March 2010		
Time	Title of presentation	Speaker
09.30-12.00	National Commemoration Day of Greece	Parade at Syntagma Square
11.00-13.00	Set up of Posters Poster's dimension: 120 (high) x 80 cm (width)	Entrance hall of NHRF
13.00-13.55	Registration	Entrance hall of NHRF
14.00-14.05	Welcome	F. Kolisis and N. Venizelos Chairs of the conference organizing committee
14.05-14.15	Opening Conference Lecture	Prof. Dimitrios Kyriakidis President of NHRF
14.15-14.20		Assoc. Prof. Jana Jass Chair of the Örebro Life Science Centre
14.20-14.25		Prof. Robert Brummer Dean of Faculty of Medicine and Health, Örebro University
14.25-15.00	Microbes and the 'Gut-Brain Axis	Prof. Robert Brummer Dean of Faculty of Medicine and Health, Örebro University
15.00-15.15	Break	
	Chair: Prof. Per-Erik Olsson/Dr. Michael Alexis	
15.15-15.45	Correcting the chloride transport abnormality in the airway epithelium of cystic fibrosis patients	Prof. Godfried Roomans School of Health and Medical Sciences, Örebro University
15.45-16.05	BRAF ^{V600E} an Hsp90 Client, as a Sensitizer to TRAIL-Induced Apoptosis in Human Colon Cancer Cells	Dr. Fay Oikonomou Institute of Biological Research and Biotechnology, NHRF
16.05-16.30	DNA methylation of the p14 ^{ARF} , RASSF1A and APC1A genes define a poor prognosis subset of colorectal cancer patients independently of tumor stage and tumor differentiation	Prof. Torbjörn Nilsson Dept. of Laboratory Medicine, Örebro University Hospital
16.30-16.50	Cellular DNA damage-response following exposure to therapeutic drugs. The case of multiple myeloma	Dr. Vassilis L Souliotis Institute of Biological Research and Biotechnology, NHRF
16.50-17.15	Plant produced vaccine antigens with special emphasis on HIV	Researcher Ingrid Lindh School of Science and Technology, Örebro Life Science Center
17.15-17.35	Structural Studies of hCINAP: An atypical mammalian nuclear adenylate kinase with ATPase activity	Dr. Spyros Zographos Institute of Organic and Pharmaceutical Chemistry, NHRF
	Chair: Dr. Soterios Kyrtopoulos/Prof. Elisabeth Hultgren-Hörnquist	
17.45-19.15 19.20-19.30	Poster session Presentation of the best nominate poster (10 min)	Poster nr 1 to 24 (Presenters must be at their posters)
19.30-	Dinner	Foyer of NHRF

Friday, 26 March 2010		
Time	Title of presentation	Speaker
	Chair: Prof. F. Kolisis/Assoc. Prof. N. Venizelos	
09.00-09.45	Stochastic mechanisms of gene expression	Prof. Demetrios Thanos Chairman, Biomedical Research Foundation, Academy of Athens, and Adjunct Professor, Columbia University
09.45-10.25	Transcription regulation in liver	Dr. Ioannis Talianidis Director of the Institute of Molecular Biology, BSRC "A. Fleming", Athens
10.25-10.45	Pyrosequencing assay of the UCP3 -55C>T polymorphism: effects on plasma homocysteine and academic achievements in Children and Adolescents	Researcher Lovisa Olsson Dept. of Laboratory Medicine, Örebro University Hospital
10.45-11.15	Mechanistic research to support the study of the environmental causes of disease	Dr. Soterios Kyrtopoulos Institute of Biological Research and Biotechnology, NHRF
11.15-11.35	The proteasome as a target in anti-aging	Dr. Niki Chondrogianni Institute of Biological Research and Biotechnology, NHRF
11.35-12.00	Environmental influences on inflammatory responses	Researcher Hazem Khalaf School of Science and Technology, Örebro Life Science Center
12.00-13.00	Break	
	Chair: Prof. Allan Sirsjö/ Dr. E. Kamitsos	
13.05-13.30	The Inflammasome - in surveillance of immune homeostasis and development of severe inflammatory disease	Assoc. Prof. Eva Särndahl School of Health and Medical Sciences, Örebro University
13.30-13.50	Genome-wide analysis of glucocorticoid receptor targets: relevance to inflammation	Dr. Dimitra Mitsiou Institute of Biological Research and Biotechnology, NHRF
13.50-14.15	Probiotic <i>Lactobacillus</i> effects on the urogenital tract: A quest for the mechanism of action	Assist. Prof. Nikolai Scherbak School of Science and Technology, Örebro Life Science Center
14.15-14.40	The role and mechanism of platelet interaction with bacteria in cardiovascular disease	Prof. Torbjörn Bengtsson School of Health and Medical Sciences, Örebro University
14.40-15.15	Carbon nanotube-based hybrid materials for medicinal applications	Dr. Nikos Tagmatarchis Theoretical and Physical Chemistry Institute, NHRF
15.15-15.30	Break	
	Chair: Dr. E. Kamitsos/ Assoc. Prof. Jana Jass	
15.30-16.15	Career advice regarding Post-doc in EU countries: How to apply, grants availability and short scientific exchanges	The National Documentation Centre (NDC), National Contact Points' Network etc.
16.15-17.00	How to write and submit a paper for publication: Important criteria in writing and what editors/reviewers look for, some common mistakes	J.G. Delinassios Editor of IN VIVO journal
	Chair: Assoc. Prof. Jana Jass/Dr. M. Micha-Screttas	
17.10-19.00	Poster session	Poster nr 25 to 48
19.05-19.15	Presentation of the best nominate poster (10 min)	(Presenters must be at their posters)
19.30	Dinner	Kostis Palamas (Academy Club, University of Athens)

SATURDAY, MARCH 27

Programme for the participants from Örebro University

Bus: *Ilisia Hotel* 07:30 to *Acropolis Museum* at 8.00 a.m.

General admission fee: 5 Euros (tickets available from the Ticket Desk at Museum)

Bus: 09:30 at *Mitseon Street* (entrance for groups). [Excursion/meeting to Porto Germeno](#)

Bus: 23:00 from *Porto Germeno* to *Athens*, 24:15 at *Hotel Ilisia*

LIST OF POSTER PRESENTATIONS

Information concerning posters

The chairs of the poster sessions will appoint two posters as the best posters of the conference (one for each poster session). The winners will give a 10 min oral presentation. Therefore, all presenters have to be prepared for a 10 min oral presentation (3 ppt pictures) at the auditorium. Poster's dimension: 120 (high) x 80 cm (width).

Presenter	Poster Title and Number	Affiliation
Jessica Johansson	1. Aberrant amino acid transport in patients with bipolar type-1 disorder	School of Health and Medical Sciences, Dept. of Clinical Medicine
Jessica Johansson	2. Aberrant amino acid transport in children with Attention-deficit/hyperactivity disorder (ADHD)	School of Health and Medical Sciences, Dept. of Clinical Medicine
Meropi Patrinoú-Georgoula	3. Interactive Partners and Molecular Characteristics of the mammalian hnRNP A3 Protein	Institute of Biological Research and Biotechnology, NHRF
Meropi Patrinoú-Georgoula	4. Deregulated expression of hnRNP A/B proteins in human non-small cell lung cancer: correlation of protein and mRNA levels in paired tumor /non-tumor tissues	Institute of Biological Research and Biotechnology, NHRF
Ioannis Bantounas	5. MicroRNAs and Their Role in the Regulation of Gene Expression in Cancer	Institute of Biological Research and Biotechnology, NHRF
Berolla Sahdo	6. <i>S. aureus</i> pore-forming toxins activates the inflammasome	School of Health and Medical Sciences, Dept. of Clinical Medicine
Avgi Tsolou	7. Role of 19S Proteasome subunits in DNA damage and stress-induced premature senescence	Institute of Biological Research and Biotechnology, NHRF
Marcus Nordén	8. Gene expression analysis of chicken during development subsequent to PFOS and PFOA exposure	School of Science and Technology, MTM Research Center
Stella Logotheti	9. Sp1 binds the external promoter of p73 Gene and induces the expression of Tap73 γ isoform in lung cancer	Institute of Biological Research and Biotechnology, NHRF
Ola Westman	10. Effects of perfluorinated compounds on hepatic fatty acid oxidation in avian embryos using a tritium release assay	School of Science and Technology, MTM Research Center
Pelagia Koukouraki	11. Phycocyanin and Phycocyanobilin from <i>Spirulina</i> as Potential Photosensitizers for Photodynamic Therapy. Interactions with Biological Phosphates studied by UV/Vis Spectrophotometry	Institute of Biological Research and Biotechnology, NHRF
Marika Gabrielsson	12. Functional studies of a mitochondrial protein found to be frequently inactivated in breast cancer.	School of Health and Medical Sciences, Dept. of Clinical Medicine
Konstaninos Voutetakis	13. A large-scale European study reveals the role of genetic and environmental factors on healthy aging and longevity	Institute of Biological Research and Biotechnology, NHRF
Breezy Paul Malakkaran	14. Loss of mitochondrial solute carrier SLC25A43- a common event in HER2 positive breast cancer	School of Health and Medical Sciences, Dept. of Clinical Medicine
Angelo Ferraro	15. Global and gene-specific histone methylation pattern in colorectal carcinoma cells.	Inst. of Biological Research and Biotechnology, NHRF

Rashida Hussain	16. mRNA expression levels of ENaC subunits in airway epithelial cell lines and nasal epithelia	School of Health and Medical Sciences, Dept. of Clinical Medicine
Ali Elmabsout	17. Cloning and functional studies of a splice variant of CYP26B1: A cellular storage protein for all-trans Retinoic ACID	School of Health and Medical Sciences, Dept. of Clinical Medicine
Hanna Kälvegren	18. Chlamydomydia pneumoniae induce platelet activation by binding to Toll-like receptor 2- role in cardiovascular disease	School of Health and Medical Sciences, Dept. of Clinical Medicine
Vivian Kosmidou	19. Oncogenic mutations in KRAS and BRAF and their implication in TRAIL receptor expression in colorectal tumours	Institute of Biological Research and Biotechnology, NHRF
Eleni Makrodouli	20. Differential Effect of Oncogenes <i>BRAF</i> and <i>RAS</i> on Rhomediated induction of EMT properties in Human colon cancer cells	Institute of Biological Research and Biotechnology, NHRF
Mattias Karlsson	21. Released substances from lactobacilli influence immune responses in human epithelial cells	School of Science and Technology, ÖLSC
Geena Paramel Varghese	22. Association between polymorphism in the CARD8 gene and myocardial infarct in men	School of Health and Medical Sciences, Dept. of Clinical Medicine
Demetra Stefanou	23. Development and validation of a quantitative, PCR-based assay for the measurement of platinum DNA damage formation/repair in ovarian carcinoma. Clinical application	Institute of Biological Research and Biotechnology, NHRF
Eirini Tsiapali	24. Tissue specific expression of heat shock factor 5 in zebrafish	School of Science and Technology, ÖLSC
Eleftherios Pilalis	25. A compartmented in silico model of Rapeseed central metabolism	Institute of Biological Research and Biotechnology, NHRF
Hanan Abuabaid	26. An in vitro inflammation model of human bladder epithelial cells and macrophage co-cultures	School of Science and Technology, ÖLSC
Niki Chantzi	27. The role of estrogen receptor (ER) β 1 and ER β 2 in ER α -negative breast carcinoma	Institute of Biological Research and Biotechnology, NHRF
Margarita Kalogeropoulou	28. TAF4b and AP-1 in co-regulation of Cancer Cell Migration Properties and expression of Integrin α 6 during Epithelial to Mesenchymal Transition	Institute of Biological Research and Biotechnology, NHRF
Ashok Kumar Kumawat	29. Phenotypical and functional characterization of T lymphocytes in Microscopic colitis.	School of Health and Medical Sciences, Dept. of Clinical Medicine
Georgios Skretas	30. Engineered bacteria for the discovery and assessment of human endocrine modulators	Institute of Biological Research and Biotechnology, NHRF
Shahida Hussain	31. Effect of interleukin-1beta on tyrosine uptake in fibroblasts of schizophrenic patients and healthy controls	School of Health and Medical Sciences, Dept. of Clinical Medicine
Ahmed El Marghani	32. TOM1L is involved in the IL-1 signaling in THP-1 cells	School of Science and Technology, ÖLSC
Vassiliki Papadimitriou	33. Olive oil-based w/o nano-emulsions: a novel biomimetic system for studying oxidative enzymatic reactions	Institute of Biological Research and Biotechnology, NHRF
Li Gao	34. Modeling of the ER α LBD in Complex with Antagonists and Related Torsional Isomerization of Tamoxifen	School of Science and Technology, ÖLSC
Maria Zoubanioti	35. Enzymatic esterifications using lipase from <i>Rhizomucor miehei</i> immobilized onto silica matrix	Institute of Biological Research and Biotechnology, NHRF
Varvara Trachana	36. The implication of the ubiquitin-proteasome system in the early onset of ageing	Institute of Biological Research and Biotechnology, NHRF
Hara Episkopou	37. Repair of melphalan adducts shows a general 5' to 3'-end gradient effect in transcribed genes. Clinical implications	Institute of Biological Research and Biotechnology, NHRF
Panagiotis Georgiadis	38. Covalent binding of act to DNA through a bis-functional agent and its possible implication to human carcinogenesis	Institute of Biological Research and Biotechnology, NHRF

Panagiotis Georgiadis	39. O6-Methylguanine levels in maternal and cord blood leukocyte DNA and their relationship with maternal dietary intake of N-nitroso compounds and related precursors	Institute of Biological Research and Biotechnology, NHRF
Panagiotis Georgiadis	40. Validation of a new immunochemical assay with high-throughput potential for PAH-DNA adduct detection	Institute of Biological Research and Biotechnology, NHRF
Aggeliki Meligova	41. Estrogen receptor beta isoforms 1 and 2 differentially modulate growth and invasiveness of breast cancer cells in response to estrogen and antiestrogens	Institute of Biological Research and Biotechnology, NHRF
Panagiotis Moulos	42. Bioinformatic Analysis of Mastic Oil Treatment in Different Tumor Cell Lines Reveals Molecular Mechanisms Targeting Cell Growth and Survival	Institute of Biological Research and Biotechnology, NHRF
Panagiotis Moulos	43. Transcriptomic Computational Analysis of the Cell Death Induced by N-Methyl-N-Nitrosourea, a Model S _N 1 Methylating Agent, in Human Lung Cancer Cells.	Institute of Biological Research and Biotechnology, NHRF
Johanna Lönn	44. Hepatocyte growth factor in patients with coronary artery disease: a biomarker for evaluation of the disease state?	School of Health and Medical Sciences, Dept. of Clinical Medicine
Xanthipi Alexi	45. Regulation of <i>PS2</i> , <i>CCND1</i> & <i>IEX-1</i> genes in HER2-overexpressing breast cancer cells: correlation with tamoxifen resistance	Institute of Biological Research and Biotechnology, NHRF
Jarno Koskinen	46. Involvement of zebrafish <i>Ffla</i> in the development of pharyngeal arches	School of Science and Technology, ÖLSC
Johanna Sundin	47. Microbe-Gut Interaction in Microscopic Colitis and Post-Infectious Irritable Bowel Syndrome (IBS)	School of Health and Medical Sciences, Dept. of Clinical Medicine
Christina Sisoula	48. CHIP overrides Mdm2-mediated degradation of p53 during replicative senescence	Institute of Biological Research and Biotechnology, NHRF