



7th International Conference on Oxidative Stress in Skin Biology and Medicine

Andros, Greece
1-4 September 2016

SCIENTIFIC PROGRAM

Dedicated to the Conference Founders:
Professors Drs L. Packer and H.I. Maibach

Co-organizers:



University of
Athens



Oxygen Club of
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Europe



Andros Municipality





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September 1, 2016 Thursday

09:00-10:00	<ul style="list-style-type: none"> • Welcome Cocktail • Registration • Poster arrangements 	
10:00-11:00	<p>Opening of the conference from the authorities of the town and the island.</p> <p>Welcome by:</p> <ul style="list-style-type: none"> • Assis. Prof Dr. M. Rallis, Conference Chairman • Prof Dr K. Scharfetter-Kochanek, Conference Chairman • Prof Dr S. Werner Conference Chairman • Dr D. Kletsas Conference Chairman • Andros Authorities Dr. Th. Sousoudis Mayor • Reverend Ioannis • Mrs A. Tsatsomoirou • Mrs K. Korachai. • Introduction by Prof Dr J. Anastassopoulou. 	
11:00-11:45	<p>OPENING CONFERENCE LECTURE</p> <p>Chairman: G. Bauer</p> <p>Scharfetter-Kochanek Karin: <i>Reactive oxygen species, tissue damage and tissue repair</i></p>	

OXIDATIVE STRESS – ANTIOXIDANTS – DIET		
Chairmen: H. Black, F. Virgili		
11:45-14:00	<p>Black Homer</p> <p><i>The role of dietary fats in modulation of UV-carcinogenesis: emphasis on omega-3 fatty acids</i></p>	SESSION 1
	<p>Virgili Fabio</p> <p><i>Waking up the sleeping dog: nutritional bioactive molecules define a silent nutritional phenotype associated to an improved inflammatory response after a second inflammatory stimulus</i></p>	





	Yanni Amalia	<i>Corinthian currants: an ancient Greek grape variety with health promoting effects</i>	
	Polychronopoulos Evangelos	<i>Exploring the Secrets of Longevity in the context of Medis Study</i>	
	Kouretas Dimitris	<i>Differential expression of specific mRNAs in human cells by coffee and grape extracts as putative biomarkers</i>	
	Lagouri Vasiliki	<i>Optical non-destructive UV-VIS-NIR spectroscopic tools and chemometrics in the monitoring of olive oil quality parameters and phenolic compounds. A novel portable device for on-site, real time assessment of olive oil quality parameters.</i>	

14:00-15:00 Coffee break – Light lunch

POSTER SESSION I			
Chairman: D. Kouretas			
15:00-15:30	Rotondo Rossella	<i>New enzymatic pathways in 4-hydroxy-trans-2-nonenal metabolism</i>	POSTER SESSION I
	Polychronopoulos Evangelos	<i>Effect of ω-3 fatty acids rich fish oils on lipaemic profile in mice</i>	
	Cecan Andra-Diana	<i>Mahonia aquifolium flowers extract effects</i>	
	Vourakis Emmanouil	<i>Greek endemic pinus species extracts: Antioxidant and protective evaluation</i>	
	Sideri Asimina	<i>A therapeutic approach to an imiquimod psoriasis like model</i>	

NATURAL PRODUCTS AND SKIN
Chairmen: I. Chinou, E. Skaltsa

15:30-17:30	Skaltsa Eleni	<i>Ethnopharmacological approach to medicinal plants with antioxidant activity: Past and present</i>	SESSION N 2
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	Chinou Ioanna	<i>Herbal products with approved external medicinal uses in EU. Safety and efficacy</i>	
	Lamari Fotini	<i>Antioxidant effects of saffron and crocetin: in vivo and in vitro findings</i>	
	Virag Piroska	<i>UVB-activated signaling pathways and their modulation with Vitis vinifera seeds extract in human skin cells</i>	
	Tabassum Sobia	<i>Analysis and quantification of natural phenolics from Teucrium stocksianum</i>	
	Korkina Liudmila	<i>Plant polyphenols for a natural broad band UV protection: from mechanisms to sunscreen and post-sun skin care development</i>	
	de Assis D. Alves Geórgia	<i>Cecropia obtusa extract protects against UV radiation and its deleterious effect</i>	

17:30-
17:45

Coffee Break

OXIDATIVE STRESS AND DISEASES

Chairmen: J. Anastassopoulou, Th. Theophanides

17:45- 18:45	Anastassopoulou Joanna	<i>Oxidative stress and development of diseases</i>	SESSION 3
	Theofanides Theophilos	<i>FT-IR spectroscopy as a diagnostic tool for basal cell carcinoma (BCC) and melanoma (MEL)</i>	
	Petrou Athina	<i>A possible mechanism of the role of oxidative stress to neurodegenerative and other diseases</i>	
	Qurat-ul-Ain	<i>Antioxidant and cytotoxic activities of new classes of synthetic compounds</i>	

SPECIAL LECTURE

Chairman: D. Kletsas

18:45- 19:15	Tselikas Agamemnon	<i>The nostrum manuscripts' world</i>
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19:15-20:30	<p style="text-align: center;">ROUND TABLE I</p> <p>Chairmen: M. Rallis (coordinator), S. Werner, R. Tyrell, S. Karabina, L. Korkina, E. Fischer-Fodor, K. Burke</p> <p style="text-align: center;"><i>Skin diseases' treatment – Where is the missing link between the achievements of the basic research and their implementation in the clinical practice?</i></p>	ROUND TABLE I
20:30... Dinner		





September 2, 2016

Friday

ENVIRONMENT, RADIATION AND SKIN

Chairmen: R. Tyrell, G. Vallacchi

09:00-10:45	Romani Arianna	<i>Skin oxidative damage mechanisms related to airborne particle matter exposure</i>	SESSION 1
	Narzt Marie-Sophie	<i>A „multi-omic” investigation of the effects of long wavelength ultraviolet light on primary human keratinocytes</i>	
	Darvin Maxim	<i>Blue-violet light dose dependently induces oxidative stress in human skin in vivo: Implications for protection</i>	
	Wolnicka-Glubisz Agnieszka	<i>MCPIP1 is involved in UVA-induced oxidative DNA damage and apoptosis in HaCaT cells.</i>	
	Valacchi Giuseppe	<i>New evidences of atmospheric skin damage</i>	

10:45–11:15	LECTURE OF THE DAY Chairman: H. Black Werner Sabine: <i>Cytoprotective signaling pathways in the epidermis</i>
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11:15-11:30	Coffee break
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RADIATION, AGEING AND SKIN

Chairmen: K. Burke, M. Bartlett

11:30-13:45	Boukamp Petra	<i>TGFβ-dependent aging of normal human fibroblasts: A role for chronic UV radiation</i>	SESSION 2
	Burke Karen	<i>Topical antioxidants: Mechanism, advantages, and limitations in protecting from environmental stressors</i>	





	Dinkova-Kostova Albena	<i>The multifaceted role of the isothiocyanate sulforaphane in protection against UV radiation-mediated skin damage and carcinogenesis</i>	
	Reeve Vivienne	<i>Endogenous oxidatively activated photoprotection, cGMP and phosphodiesterases in the skin.</i>	
13:45-14:15	Sastre Juan	<i>Regulation of the cell cycle by redox-sensitive p38alpha</i>	

14:15-15:00	Coffee break – Light lunch		
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POSTER SESSION II
Chairman: P. Boukamp

15:00-15:30	Crivellari Ilaria	<i>SRB1 as a new redox target of cigarette smoke in human sebocytes</i>	POSTER SESSION II
	Pecorelli Alessandra	<i>Ozone and air particulate matter, a dangerous combination for skin integrity</i>	
	Dimaki Aggeliki	<i>Diabetic skin and UV light: protection by antioxidants</i>	
	Cavicchio Carlotta	<i>Potassium Ascorbate with Ribose - promising therapeutical approach for malignant melanoma</i>	

OXIDATIVE STRESS AND SKIN: INFLAMMATION, CANCER, DIABETES
Chairmen: E. Gonos, F. Gruber

15:30-17:45	Karabina Sonia	<i>Inflammasome: The missing link between oxidative stress and skin inflammation?</i>	SESSION 3
	Bauer Georg	<i>Extracellular superoxide anion generation and expression of membrane – associated catalase during tumor progression: Dynamic interplay and consequences for tumor cell survival.</i>	
	Baciou Laura	<i>Local environment controls on the NADPH oxidase functioning</i>	





	Korać Bato	<i>The importance of systemic setting of superoxide/nitric oxide ratio in diabetes: from pancreas to the skin</i>	
	Kiritsi Dimitra	<i>Losartan ameliorating epidermolysis bullosa by TGFβ inhibition</i>	
	De Luca Chiara	<i>The systemic redox and antioxidant status in metabolic syndrome and unhealthy obesity, and the possible modulatory role of skin lipid metabolites</i>	

17:45-18:00	Coffee Break
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AGEING AND TISSUE REGENERATION
Chairmen: E. Fischer - Fodor, V. Reeve

18:00-19:30	Gonos Efstathios	<i>Proteasome activation as a novel anti-ageing strategy</i>	SESSION 4
	Gruber Florian	<i>Autophagy deficient keratinocytes display increased DNA damage and senescence markers after oxidative stress in vitro and in vivo.</i>	
	Kletsas Dimitris	<i>Radiation-induced premature senescence of stromal fibroblasts: Implications in tissue homeostasis</i>	
	Trougakos Ioannis	<i>The ubiquitin-proteasome system as a key component of the antioxidant responses, mitostasis and proteostatic modules integrated network</i>	

SPECIAL LECTURE
Chairman: F. Lamari

19:30-20:00	Kolman Nikolaos	<i>“Faith, the diachronic drug?” A question expressed by Nikolaos Kolman</i>
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20:00-21:00	<p style="text-align: center;">ROUND TABLE II</p> <p style="text-align: center;">Chairmen: H. Black, G. Valacchi, K. Scharffetter – Kochanek, G. Bauer, S. Gonos, M. Rallis (coordinator)</p> <p style="text-align: center;"><i>Determination of the major oxidative stress parameters: Is it possible?</i></p>	ROUND TABLE II
21:00...	Dinner	





September 3, 2016

Saturday

PHOTODYNAMIC THERAPY, NANOPARTICLES AND SKIN

Chairmen: B. Korac, J. Sastre

09:00-10:45	Filip Adriana	<i>Medical applications of bio-functionalized gold nanoparticles with natural extract in skin inflammatory conditions</i>	SESSION 1
	Houée-Lévin Chantal	<i>Titanium dioxide nanoparticles increase superoxide anion production via acting on NADPH oxidase</i>	
	Lohan Silke	<i>Formation of reactive oxygen species by nanoparticles in skin cells and possible prevention strategies</i>	
	Kohen Ron	<i>The bright side of plasmonic gold nanoparticles; activation of Nrf2-KEAP1 pathway in skin</i>	
	Baldea Ioana	<i>Anti-melanoma mechanisms induced by photodynamic therapy mediated by a meso-porphyrin</i>	
	Alexandratou Eleni	<i>Can PLA nanoparticles be the Trojan horse in photodynamic therapy of cancer?</i>	

10:45–11:30	LECTURE OF THE DAY Chairman: C. Houée-Lévin <i>Azzi Angelo: Vitamin E and the Skin</i>
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11:30-11:45	Coffee break
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WOUND HEALING

Chairmen: L.Korkina, S. Lamas

11:45–14:00	Mumcuoglu Kosta	<i>Treatment of diabetic foot ulcers with the help of fly maggots</i>	SESSION 2
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Erdoğan Ipek	<i>Understanding the role of antioxidants under exogenous stress using wound scratch assay</i>
Schäfer Matthias	<i>Nrf2 activation enhances cutaneous wound healing by expansion of hair follicle stem cells</i>
Demertzis Nikolaos	<i>Determination of lipopolysaccharide for the rapid and accurate diagnosis of sepsis</i>
Sindrilaru Anca	<i>When Macrophages Fail to Produce ROS: Implications for Cutaneous Wound Healing</i>
Vitsos Andreas	<i>Wound Healing Potential of Ceratothoa Oestroides Olive Oil Extract Preparation on Unresolved Chronic Ulcers : Case studies</i>
Muresan Ximena Maria	<i>Aberrant keratinocytes proliferation and migration by environmental stressors targeting SR-B1 expression affects cutaneous wound healing process</i>

14:00-15:00	Coffee break – Light lunch
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POSTER SESSION III
Chairman: I. Trougakos

15:00-15:30	Ambrožová Nikola	<i>Comparison of effects of silver and selenium nanoparticles on markers for wound healing. In vitro study.</i>	POSTER SESSION III
	Braila Penelope	<i>Antioxidant masks for skin hydration</i>	
	Giallousis Nikolaos	<i>In vivo evaluation of wound healing properties of different preparations containing Ceratothoa oestroides extract</i>	
	Sofrona Evgenia	<i>Isolation, structure elucidation and in vivo wound healing evaluation of bioactive substances from the isopod ceratothoa oestroides</i>	
	Vitsos Andreas	<i>Clinical Research Trial on the effectiveness of Ceratothoa oestroides Olive Oil extract in chronic wound</i>	





	Papoutsi Marietta	<i>An approach to ultraviolet skin inflammation - burn treatment</i>
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OXIDANTS – ANTIOXIDANTS & DISEASES
Chairmen: A. Azzi, I. Baldea

15:30-17:30	Lamas Santiago	<i>The protective role of the REDOXImiR miR-9-5P In skin fibrogenesis</i>	SESSION 3
	Tyrrell Rex	<i>Endogenous protection against UVA stress: Do we need to add antioxidants?</i>	
	Fischer-Fodor Eva	<i>New knoevenagel condensates target superoxid dismutases in epidermoid carcinoma cells in vitro</i>	
	Panagiotakos Demosthenis	<i>Comparisons of successful aging determinants between older adults living in urban areas vs Mediterranean islands: experience from the ATTICA - MEDIS elderly studies</i>	
	Baldea Ioana	<i>Toxicity and efficiency study of plant extracts-based bleaching agents</i>	
	Giakoumaki Maria	<i>Genetically driven antioxidant capacity in a Caucasian southern european population.</i>	

INVITED LECTURE

17:30-18:00	Petri Aspasia	<i>Sunbeds' UVR profile and regulation of the artificial tanning sector in Greece</i>
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18:00-18:15	Coffee Break	
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ROUND TABLE III
Chairman: E. Polychronopoulos
Bioethics

18:15-19:45	Kostomitsopoulos Nikolaos	<i>Ethics and use of animals in Biomedical Research</i>	ROUND TABLE III
	Dalianis Argirios	<i>Clinical studies- Ethical point</i>	
	Rev. Roussakis Georgios	<i>The Face – The Orthodox Church view</i>	





19:45-20:00	<h2>CONCLUSIONS</h2> <p>Dimitris Kletsas & Michail Rallis</p>
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21:00	Dinner
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September 4, 2016

Sunday

EXCURSION

10:00	Goulandri's Museum of Modern Art: Zogopoulos Sculpture
11:00	Guided visit in the town of Andros
12:15 – 15:00	Lunch and Visit on Monastery of Panachrandos (Founded on 10 th Century)
15:00 – 17:00	Sariza Spring and Agia Eirini - Polemis Byzantine Monument (coffee)
17:00-18:30	Stenies traditional village

