

International Society of Antioxidant in Nutrition and Health

6th World Conference on

SKIN AGEING and ANTIOXIDANTS: Innovations & Strategies

6th World Conference on

SKIN AGEING and ANTIOXIDANTS: Innovations & Strategies

October 29 & 30, 2009 - MALTA

SYMPOSIUM:



Skin Whitening Ingredients
Targeting Tyrosinase
by Oral & Topical Ingredients

October 30, 2009 - MALTA

Malta Skin Ageing Exhibition

October 29 & 30, 2009 - MALTA



This year, the **International Society of Antioxidant in Nutrition and Health** celebrates its **11 years old**. Since the beginning, it has organized many **national and international conferences** on various subjects.

People live older thanks to new advances in medicine but they are becoming more demanding. They want to age in excellent health conditions and they want to look younger.

That's why the Anti-Ageing Medicine seeks to find **effective ways to fight against ageing and skin ageing** in particular by different actions: oral or topical cosmetics, plastic surgery and regenerative medicine with stem cells.

Oxidative stress is included in multiple diseases: cancers, Alzheimer diseases, cataract, cardiovascular diseases, and **skin ageing**. The use of antioxidants to avoid oxidative stress and its damages has been well documented for several years.

But nowadays, what are the recent breakthroughs in the fight against skin ageing by antioxidants?

The aims of this conference are to:

- Draft **the state of the art** in skin ageing
- **Highlight** the recent innovations in skin ageing and photo ageing
- Try to find **effective strategies** to prevent and slow skin ageing and photo damages by antioxidants.

Skin Ageing 2009 will target researchers and academic professors, R&D departments, clinicians, pharmaceutical companies, food supplement companies, cosmetics companies, marketing departments, investors, start ups and actors of the economic environment.

Different session will be held:

- [General Skin ageing](#)
- [Antioxidant strategies to delay skin ageing](#)
- [Technical session: the keys to manage an antioxidant skin product](#)
- [UV & Photoageing](#)
- [Solar Ingredients](#)
- [Whitening Ingredients](#)
- [Business to business sessions](#)

A Symposium will be held on Friday afternoon on Whitening Ingredients. The aim of **Malta Skin Whitening Symposium** which gathers academics and industrials, is to discuss the last innovations and applications of whitening.

We look forward to welcoming you in Malta for this particular event.

Dr Marvin Edeas
Chairman of the Scientific Committee

Targeted audience

The **Malta Skin Ageing 2009** conference targets cosmetics companies, pharmaceutical companies, food supplement companies, R&D departments, clinicians, veterinary medicine companies, marketing departments, investors, start ups and actors of the economic environment.

Conference dates

29-30 October, 2009 – Malta

Thematic Areas

- Session 1: The State of Art of Skin Ageing in 2009
- Session 2: Antioxidant Strategies to delay Skin Ageing
- Session 3: Technical session: the keys to manage an antioxidant skin product
- Session 4: Solar Ingredients: successful strategies against skin damages from sunlight
- **Malta Skin Whitening Symposium:** Targeting Tyrosinase by Oral and Topical Ingredients
- Round Table Discussion: Whitening or Tanning skin: the power of science

Chairman Scientific Committee

- Pr Marvin Edeas, President of the International Society of Antioxidants in Nutrition and Health (ISANH) – Paris, France.

Speakers

- Pr J. Krutmann, University of Düsseldorf, Deutschland
- Dr O. Toussaint, Facultés Universitaires Notre Dame de la Paix, Namur, Belgium
- Dr A. Vierkötter, University of Düsseldorf, Deutschland
- Dr T. Blatt, Beiersdorf AG, Hambourg, Deutschland
- Dr J. Schröder, University of Düsseldorf, Deutschland
- Dr M. Salmon, CEO StratiCELL, Belgium
- Dr O. Sorg, Hôpitaux Universitaires de Genève, Suisse
- Dr M. Richelle, Nestlé Research Center, Lausanne, Switzerland
- Pr JF. Doré, Institut Fédératif de Recherche Lyon-Est, France
- Dr G. Murphy, National photobiology Unit Beaumont and Mater Hospital Dublin, Ireland
- Dr H. Pigeon, L'Oreal Research, Paris, France
- Pr S. Pinnell, Lamar Callaway Professor Emeritus of Dermatology, Duke University Medical Center (*to be confirmed*)

Abstract

All abstracts for oral presentation or publication in the proceedings will be submitted to the scientific committee. The abstract should be a one-page document, character times 12-single spacing. The title (in bold) should be typed in capital letters authors initial, surname, institution, state. Underline the name of the presenting author. The text should clearly state objectives, methodology, results, and conclusion. Simple tables and graphs are allowed. Presentation of every communication at the Conference is subjected to formal registration of at least one co-author. All accepted abstracts will be printed in the proceedings of the conference distributed during the Conference.

Dead line for the abstracts submission: September 30, 2009

Edition of an abstract book

Abstracts and powerpoint presentations of the speakers will be published in an abstract book.

Certificate delivery

A participation certificate will be delivered to the attendees at the issue of the conference, attesting their presence at the **Malta Skin Ageing 2009 Conference**.

Organisation

- ***International Society of Antioxidants in Nutrition & Health (ISANH)***
- ***The French Society for Antioxidants (SFA)***
- ***The Japanese Society for Antioxidants (JSA)***

Innovations and concepts

Companies involved in **all areas related to skin ageing** (nutraceutical, pharmaceutical, cosmeceutical...), and **interested in presenting** information concerning:

- **New Ingredients (original compound, new target...)**
- **New technical innovations (new formulation, new analysis method...)**
- **New services (marketing, distribution, promotion...)**
- **New concepts**

Are invited to contact the Scientific Committee!
isanh-conferences@orange.fr

Malta Skin Ageing Innovation Award

The scientific committee will name the most innovative project upon abstract submission. For more information and file submission, please contact the scientific committee.

Important dates

- 6th World Congress on Skin Ageing: Thursday October 29th – Friday October 30th, 2009
- Abstract submission: Wednesday September 30th, 2009
- Early registration fee payment: before September 7th, 2009.

Scientific Secretariat

Malta Skin Ageing

ISANH

15 rue de la Paix

75002 Paris - France

Tel : 33 1 55 04 77 55

Fax : 33 1 55 04 77 57

isanh-conferences@orange.fr

Malta Skin Ageing Exhibition Spaces

Why attend to this event?

We would like to draw your attention that during the two days of Malta Skin Ageing 2009 Congress, attendees will have the opportunity to participate to:

- Skin Ageing **Conference**
- Whitening Ingredients **Symposium**
- Skin Ageing **Exhibition Space**
- Whitening Ingredients **Exhibition Space**

Who is concerned by Malta Skin Ageing 2009?

Malta Skin Ageing 2009 will target R&D departments, clinicians, pharmaceutical companies, food supplement companies, cosmetics companies, marketing departments, investors, start ups, researchers and academics, actors of the social and economic environment and all other stakeholders in the Anti-Ageing field.

All companies involved in Skin Ageing business are invited to participate: buyers, sellers, distributors, ingredients providers, formulators, investors...

Business to Business Session

During Malta Skin Ageing 2009, all industrials (suppliers, buyers, sellers...) can exchange and meet together.

Malta Skin Ageing 2009 Innovation Award

The scientific committee will name the most innovative project upon abstract submission. For more information and file submission, please contact the scientific committee

International Society of Antioxidant in Nutrition and Health

6th World Conference on

SKIN AGEING and ANTIOXIDANTS: Innovations & Strategies

PROGRAM

Thursday, October 29th



09:00: Introduction: skin ageing in 2009, a personal point of view

Pr J. Krutmann, University of Düsseldorf, Deutschland

Session 1:

The State of Art of Skin Ageing in 2009



09:30: General overview on skin ageing: extrinsic and intrinsic factors
- Using the example of the SALIA study-

Dr A. Vierkötter, University of Düsseldorf, Deutschland

Dr Vierkötter's investigated skin ageing in 400 German women aged 70 to 80 years. Ageing symptoms were evaluated by SCINEXA, a validated score that assess and differentiate between intrinsic and extrinsic skin ageing. As influencing factors UV exposure and smoking were assessed by questionnaire, particle exposure was determined by measurements of ambient PM₁₀ (particulate matter with $\text{Ø} < 10 \mu\text{m}$) concentrations at fixed monitoring sites and traffic exposure by distance of residency to a major road by employing Geographic Information System (GIS). Furthermore genetic susceptibilities in genes, which are relevant for the skin ageing process, were determined in blood samples. Traffic-related particles are significantly associated with ageing symptoms which are characteristic for the extrinsic skin ageing and may represent a further environmental factor which contributes to extrinsic skin aging.



10:00: Models of oxidative stress induced premature senescence:
transcriptomic, proteomic and functional applications

Dr O. Toussaint, Faculté Universitaire Notre Dame de la Paix, Namur, Belgium

Recently it was shown that senescent cells are found in human tissues, particularly those subjected to repeated stress. Our research team has developed in vitro models of premature senescence induced by stress such as exposure to free radicals or UVB. The modern techniques of cell and molecular biology have helped to identify and highlight the functional role of genes involved in these processes of senescence.

10:45: Coffee Break

Session 2:

Skin Ageing and Antioxidants: Innovations and Strategies
www.isanh.com

Antioxidant Strategies to delay Skin Ageing



- 11:15: Targeting skin mitochondria: A promising strategy
- How to stimulate energy metabolism in senescent cells?
 - How to increase mitochondrial antioxidant defence system?

Dr T. Blatt, Beiersdorf AG, Hambourg, Deutschland

Human aging is accompanied by a lack of mitochondrial function and a deregulation of cellular energy balance. This decline is both accelerated by and can cause the formation of reactive oxygen species (ROS) that damage nuclear and mitochondrial DNA, lipid membranes as well as structural and catalytic proteins, especially those involved in energetic pathways of cells. In consequence, declining energy metabolism has turned out as a high priority field of anti-aging interventions. The presentation reviews some of BDF's in vitro and in vivo data on the stimulation of mitochondrial energy capacity and clearly depicts its beneficial effects for topical treatment.



- 12:00: Skin ageing and Advanced Glycosylation End Products: the role for antioxidants in Maillard Reaction

Dr H. Pigeon - L'Oreal Research, Paris

One of the causes of skin aging is the appearance of the Advanced Glycosylation End Products (AGEs) during life. The glycation reaction is a complex process and affects, directly and indirectly, at the same time cells, their syntheses and matrix organization. To understand the consequences of the glycation in skin, a system of reconstructed skin was developed with a collagen modified by glycation in the dermal part which makes possible testing inhibitors of this reaction.

12:30: Lunch



- 14:00: Oral strategy by antioxidants: How to increase skin antioxidant defence system from within?

Pr J. Krutmann, University of Düsseldorf, Deutschland

14:30: Topical strategy: How to increase skin antioxidant defence system from outside?

- 15:00: Focus on credible antioxidant ingredients:
- Pomegranate and Skin Ageing: last advances
 - Resveratrol: cosmeceutical application
 - SOD: how to increase SOD defense system

15:45: Coffee Break



16:15: Antioxidants to treat dermatologic disorders

Dr O. Sorg, Hôpitaux Universitaires de Genève, Suisse

According to the hypothesis of an involvement of a peroxidase activity, and thus hydrogen peroxide, in the biosynthesis of melanin, hydrogen peroxide scavenging agents are potentially depigmenting. Indeed, many depigmenting agents that are not tyrosinase inhibitors are able to down-regulate peroxidase activity and/or remove hydrogen peroxide. For instance, methimazole, an antithyroid agent that inhibits a peroxidase involved in thyroid hormone biosynthesis, ebselen, a selenium-containing non-protein analogue of glutathione peroxidase, and retinaldehyde, a precursor of retinoic acid with antioxidant properties, are depigmenting in various in vitro and in vivo models, as well as in human

Session 3:

Technical session: the keys to manage an antioxidant skin product



16:45: Stability and biodisponibility of Antioxidants used in skin care formulation or in oral supplementation: key factors for a successful antioxidant activity

Dr M. Richelle, Nestlé Research Center, Lausanne, Switzerland

Antioxidants have demonstrated beneficial effects in skin. The classical route of delivering antioxidants to the skin is with the use of topical application while the use oral supplements is a more recent approach. The administration of antioxidants by the oral route offers several advantages over their topical application: intestinal absorption of bioactives, which are sometimes compromised in topical application due to their low stability or low skin penetration; antioxidants reach the entire skin of the body; and are distributed to all the skin compartments e.g. epidermis, dermis, hypodermis, blood vessels and sebum, allowing bioefficacy in all these compartments. There are still large gaps in knowledge in the area of skin bioavailability e.g. the distribution and activity in skin of transporters, the distribution between different compartments and body areas of skin as well as turnover and export of antioxidants

CALL FOR ABSTRACT: New Antioxidant Ingredients

17:30: Short oral presentation **upon abstract submission on new antioxidant ingredients to delay skin ageing**

18:00: Discussion: Antioxidant defense system and skin ageing: future of Dermatology?

18:30: End of the first day

International Society of Antioxidant in Nutrition and Health

6th World Conference on

SKIN AGEING and ANTIOXIDANTS: Innovations & Strategies

Friday, October 30th

Session 4:

Solar Ingredients: successful strategies against skin and eyes damages from sunlight



9:00: **The power of sun:** skin's friend or enemy?

Pr JF. Doré, Institut Fédératif de Recherche Lyon-Est, France

Solar radiation is essential for life on Earth, and has beneficial effects upon human health. But, exposure to solar ultraviolet radiation is an aggression to human skin, with immediate (erythema, tanning, immunosuppression, Vitamin D), and delayed effects (naevi, skin ageing, cancers). Social attitudes towards sun exposure have changed during the last century: from protection to intentional exposure and the desire of a tan. Solar radiation is a proven carcinogen to humans, but may also exert beneficial effects. More data are needed to decide whether advantages of sun exposure exceed disadvantages and whether current public health recommendations should be amended.

9:30: **Sun and skin immunity:** how to strengthen skin immune defences system by photochemioprevention strategies? Photoprotection and skin cancer: the future



10:00: **Infrared A radiation and skin ageing:** a forgotten factor?

Dr J. Schröder, University of Düsseldorf, Deutschland

For many years the focus of research on detrimental effects of natural sunlight left aside Infrared-A-radiation (IRA; 760 – 1440 nm), a major component of natural sunlight. IRA is involved in skin ageing via activation of ERK1/2 and a concomitant increase in matrixmetalloproteinase-1 (MMP-1) expression and is therefore shifting the collagen balance of the skin.

Further investigation of IRA induced gene expression revealed that the effect of IRA is not limited to MMP-1, but affects genes involved in cell growth, extracellular matrix metabolism, and signalling.

Taken together our investigations demonstrate that IRA alters gene expression via retrograde mitochondrial signalling. This resembles regulation patterns shown in aged skin, underlining that the detrimental effects of solar radiation are not limited to UV.

10:30 Coffee Break



11:00: **Sunscreens and filters protection: innovations and perspectives in 2009**

Dr G. Murphy, National photobiology Unit Beaumont and Mater Hospital Dublin

Sunscreens formerly protected only in the UVB (290-320nm) region with considerably less protection in the UVA (320-400nm) range. In the last decade UVA photoprotection has improved considerably with stable UV absorbing sunscreens now amalgamated in such a manner as to produce sunscreens with broad-ranging UV protection extending into the UVA-2 region (340-400nm). Two further factors influence sunscreen efficacy, firstly the acceptability of the formulation to the user, and consequent to this the actual amount of sunscreen applied to the skin. The efficacy of the sunscreen is directly related to the amount of product applied to the skin and the reliability of the user to adequately apply the product to all exposed surfaces.

11:40: **Eyes and sun: What kind of protective ingredients can be used?**

Dr G. Murphy, National photobiology Unit Beaumont and Mater Hospital Dublin Ireland

CALL FOR ABSTRACT

12:00: **Business to business session: short oral presentation upon abstract submission on new solar ingredients and strategies:**

- Iron chelators strategy to avoid UV skin damages
- Antioxidants

12:30: Lunch

Malta Skin Whitening SYMPOSIUM:

Skin Whitening Ingredients: Targeting Tyrosinase by Oral and Topical Ingredients

Friday, 30th October 2009

14:00: Oxidative stress, hyperpigmentation and melanogenesis: where are we now and where are we going?



Dr O. Sorg, Hôpitaux Universitaires de Genève, Suisse

Melanogenesis is based on the enzymatic conversion of the amino acid tyrosine, through a series of intermediates, to melanin pigments. Tyrosinase is believed to be the rate-limiting step of melanin synthesis, and for this reason has been almost the only target of drug designers for new depigmenting agents. Some investigators, however, have also considered an important role for peroxidase in initiating melanogenesis, because most of the melanocytotoxic agents can be converted to cytotoxic species, and many inhibitors of

melanogenesis that are not tyrosinase inhibitors, inhibit peroxidase activity. Based on these findings, it can be hypothesized that hydrogen peroxide, the cofactor of peroxidases, is involved in melanogenesis, and thus any agent that can remove hydrogen peroxide has a potential depigmenting property. This gives a new direction for the search of depigmenting agents, and explains the link between oxidative stress, various pigmentation disorders and the role of antioxidants in skin lightening agents.

14:30: **Strategies** and innovations in skin Whitening:

1. Oral antioxidant strategy
2. Topical antioxidant strategy



Skin whitening agents : targeting key pathways – a case study on isopilosine from Brazilian Jaborandi (*Pilocarpus Jaborandi*) leaves

Dr M. Salmon, General Manager of StratiCELL, Gembloux, Belgium

Dr Salmon's talk will begin with a review of various pathways involved in melanogenesis as targets for intervention. Then He will focus on an ingredient that his team is working on, in collaboration with a Brazilian partner. He will also describe the approaches, models and *in vitro* evaluation methods for whitening ingredients.

15:30: *Coffee break*

16:00: **Trends** in whitening products from Asia and Europe in collaboration with Japanese Antioxidants Society

CALL FOR ABSTRACT on new whitening ingredients with clinical studies

16:30: **Business to business session:** short oral presentation **upon abstract submission**

The Scientific Committee will select oral communications reserved for ingredients or finished products with clinical trials / studies. These communications of 10 minutes are based on:

- Originality of the compound or its mechanism of action
- New targets and new concepts
- New formulation and/or galenic
- New marketing and distribution concepts

CALL FOR ABSTRACT on new instrumental approach to treat hyper pigmentation

18:00: Discussion: Whitening or Tanning skin: the power of science

For more information:

Malta Skin Ageing 2009 - ISANH
15, rue de la Paix - 75002 Paris
Tél : +33 1 55 04 77 55
isanh-conferences@orange.fr
www.isanh.com

Sponsorship Propositions

Malta Skin Ageing 2009 is organized by the International Society of Antioxidants in Nutrition and Health (ISANH), the French Society of Antioxidants (SFA), the Japanese Society of Antioxidants (JSA) and is dedicated to researchers and academics, R&D departments, clinicians, pharmaceutical companies, food supplement companies, cosmetics companies, veterinary medicine companies, marketing departments, investors, start ups, actors of the social and economic environment and all other stakeholders in the tea industry.

Prices	Golden Sponsor 14500 Euros	Silver Sponsor 8500 Euros	Bronze Sponsor 4500 Euros	Cost for individual promotional opportunities
Your Logo on all communication supports (conference programme, abstract book and conference website, with a hyperlink to you company homepage)	X	X	X	3000 Euros
Insertion of promotional material in attendees bags	X	X		3000 Euros
Advertisement through your companies banners displayed in the conference hall (banners to be provided by you)	X			300 Euros
A full Page ad in the conference abstract book	X	X		3000 Euros
Sponsorship of the lunch and coffee break for one day (with logo and acknowledgements)	X			3500 Euros
Free registrations	X (2)	X (1)	X (1)	
Exhibition stand outside the conference hall: 6m ² area with 1 table (2,20m x 0.80m), 2 chairs and 2 posters panels (1m x 0,70m)	X	X	X	4200 Euros (including one free registration if taken as individual promotional opportunity)
Exhibition stand outside the conference hall: 9m ² area with 2 tables (2,20m x 0.80m), 3 chairs and 3 posters panels (1m x 0,70m)				7000 Euros (including one free registration if taken as individual promotional opportunity)

For Symposium “**Whitening Ingredients**” sponsorship, please contact us. If you are interested in presenting clinical studies, new technologies or finished products during Malta Skin Ageing 2009, please submit your abstract for oral communication: isanh-conferences@orange.fr

For more information: www.isanh.com