

News from Cosmetic Associations and Organizations

Society of Cosmetic Scientists Singapore (SCSS)

Inaugural Scientific Seminar

The newly founded Society of Cosmetic Scientists (Singapore), SCSS organized their first official meeting with a Scientific Seminar on 16 July, 2004, at the Orchard Hotel in Singapore. The Society was extremely fortunate in being able to recruit a widely renowned scientist for this first high profile event. Professor *Masamitsu Ichihashi* had agreed to present a summary of the newest scientific findings on the effects of UV/UVA radiation on cells and skin to the members of the SCSS.

In this inaugural Scientific Seminar, Professor *Ichihashi* was able to fascinate the audience of over 40 people over two hours. His comprehensive coverage of the biological effects of UVA and UVB on DNA, pigmentation, immune system, carcinogenesis and photosensitivity diseases, combined with his clinical expertise, provided the participants with invaluable information. The real life pictures and statistical data together with the detailed scientific references, which Professor *Ichihashi* presented, will certainly support the attendants in their further study of this highly relevant and interesting topic.

The Society is looking forward to organizing similarly useful and highly scientific Seminars in addition to technical workshops and training sessions.

The program over the next 10 months is planned as follows:

SCSS Activities 2004/2005

- October 2004: Representation at IFSCC, Orlando, Florida
- Early Nov. 2004: Committee Meeting
- Late Nov. 2004: 2nd Event: Scientific Seminar: Sunscreen Testing/ Australian UVA standard
- End Jan. 2005: 3rd event: Technical Presentation Workshop
- March 2005: Representation at ASCS (Asian Society of Cosmetic Scientists) Conference in Bangkok
- April 2005: Annual General Meeting (AGM)
- May 2005: 4th event: Scientific Seminar

Effect of ultraviolet radiation (UV) on cells and skin, with particular emphasis on UVA-induced photodamage

Prof. *Masamitsu Ichihashi*, Japan

Abstract

Ultraviolet radiation (UV) (290-400 nm) occupies only 6 % of ambient solar radiation. Among terrestrial solar UV, UVC is absolutely absorbed by ozone and oxygen, most of UVB is trapped at the ozone layer, but UVA radiation (320-400 nm) fully penetrates the ozone layer and reaches the surface of the earth in amounts 10~50 times higher than UVB, but has a weak biological effect of approximately 1/1000 of UVB radiation.

UVB radiation, which is efficiently absorbed by DNA produces cyclobutane pyrimidine dimers and (6-4) photoproducts which induce sunburn, suntan and immunosuppression as acute reaction, and photoaging and skin tumors as chronic damage, whereas UVA radiation produces single strand breaks and base oxidation, possibly through ROS formed, in addition to a small amount of dimers. The use of UVB sunscreen induces often an unexpected exposure to a large dose of UVA radiation due to the absence of sunburn, which may contribute, at least in part, to causing photoaging, photocarcinogenesis and immunosuppression.

Recent advances in the understanding of endogenous *in vivo* generation of ROS (¹O₂ and O₂⁻) in the skin under UVA exposure strongly indicate a pivotal role of UVA radiation in photaging, since mRNA levels of matrix metalloproteinases (MMPs) which cleave collagen and elastic fibers is upregulated, resulting in collagen and elastin breakage and wrinkle formation.

CV of the speaker Prof. Dr. *Masamitsu Ichihashi*, PhD

Professor emeritus of Kobe University (National)

Head Manager of Sun Care Laboratories
Director of Sun Clinic

- 1964 Graduated Medical Department of Kobe University
- 1970 After graduate school: Assistant to professor in Medical Dept./Kobe Univ.
- 1972~1974 Studied DNA repairing of xeroderma pigmentosum and other photo-hypersensitivity at The Institute of Dermatology, London University
- 1977 Lecturer at Kobe University Hospital
- 1982 Assistant professor of Medical Dept./Kobe University
- 1992 Professor of Medical Dept./Kobe University
- 2003 Professor emeritus of Kobe University
- 2003 Established Sun Clinic and Sun care Laboratories

Main research

Skin damage and carcinogenicity; Photo-hypersensitivity; Abnormal skin pigmentation and other disorders induced by UV radiation

Appointments

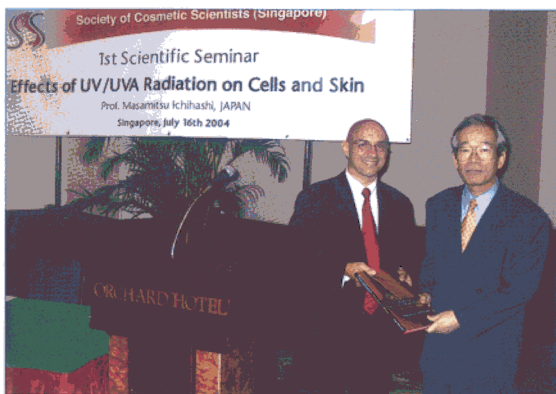
Counselor / Japanese Dermatological Association

The honorary director / The Japanese Society for Photomedicine and Photobiology
President / Photo-aging Study Association

Director / Japanese Committee for Sunlight Protection



Picture: Professor *Masamitsu Ichihashi*, Japan



Picture: Professor Ichihashi (right) with Adrian Jacklowsky

Director/Japanese Society of Anti-Aging Medicine
 Director/Japanese Skin Cancer Society
 Director/Japanese pigment Cell Society
 Director/Japanese Co-enzyme Q10 Association

Opening Speech of the President of the SCSS: Adrian Jacklowsky

Dear members and friends of the Society of Cosmetic Scientists of Singapore, Ladies and Gentlemen,

Today is a very special day: it is the first official meeting and the occasion of the inaugural Scientific Seminar of the SCSS. Already in the mid 90s the idea of forming a Singaporean Society had come up, but was not actively pursued. Last year a small group of enthusiasts picked up the idea again and the application process with the Ministry of Home Affairs was initiated in the middle of last

year. In January this year, we received the final approval from the Registry of Societies in Singapore.

Meanwhile we have been able to recruit close to 40 members and we have set ourselves a target of 50 members by the end of this year. The application with the International Federation of the Societies of Cosmetic Chemists, IFSCC has been filed and positive feedback has been received. We are hoping to be announced as one of the new member Societies at this year's bi-annual IFSCC Congress in Orlando, to be held this coming October.

What are the main objectives of the Society of Cosmetic Scientists of Singapore (SCSS) ?

- To promote the advancement of the science of cosmetics, toiletries and perfumery
 - To develop the professional knowledge and status of the members
 - To promote high ethical standards in cosmetic science
 - To maintain close contacts with relevant authorities, consumer organizations and bodies related to the cosmetics industry.
 - To maintain good relationships with similar associations internationally and locally.
- This means especially with IFSCC, the ASCS (Asian Society of Cosmetic Scientists), the Societies in the region and

of course with the CTFAS (Cosmetics Toiletry and Fragrance Association of Singapore).

In order to live up to these objectives, we will organize scientific seminars, such as today, as well as training workshops, which will add value to our members' existing capabilities, knowledge and personal growth.

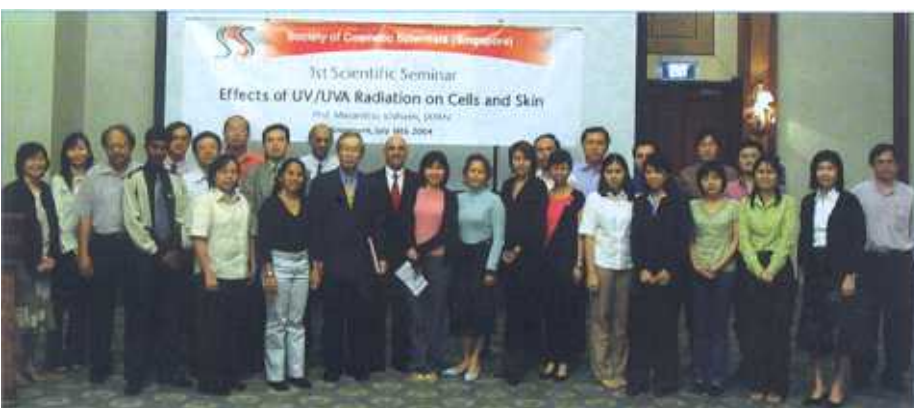
Only with a solid membership base and the personal commitment of each and every member will we be able to reach these objectives. You have proven today that you are committed to supporting these objectives personally and I want to thank you for that in the name of the committee of the SCSS.

At this time I would like to say a big thank you to the members of the Committee (and yes you guessed right, they are part of that enthusiastic group mentioned earlier), who really made this Society happen, and they are:

- Mr. Andrew Gan, Vice President
- Ms. Sok Koon Ooi, Secretary
- Mr. Adrian Chen, Treasurer
- Ms. June Baisa, Public Relations
- Dr. Alain Khaiat, Honorary Advisor.

Last but certainly not least, I would like to thank Prof. *Ichihashi* from the Kobe Sun Clinic in Japan, for supporting this inaugural event by giving his important presentation today. Professor *Ichihashi* is a widely acclaimed scientist, with the reputation as one of the top experts on photobiology and photo-medicine globally. As Chairman/President and Director of several societies and associations in these fields, he is an extremely busy man and we are honoured to have him with us today. *Thank you Professor Ichihashi, thank you all!*

Society of Cosmetic Scientists Singapore (SCSS)
 President Adrian Jacklowsky
 78 Shenton Way # 15-02
 Singapore 079120, Singapore
 Tel: +65-6325-6397



Picture: Participants of the First Scientific Seminar of the SCSS

