



multinational companies are located in Singapore. Its manufacturing output grew over ten-fold from \$40 million in 1990 to over \$400 million in 2002. The luxury retail market for fragrances and cosmetics is also experiencing phenomenal growth. This 2 day international conference is expected to draw 200-300 participants worldwide. Specialised experts will deliver scientific lectures on formulation techniques, proof of efficacy, new ingredients and raw materials as well as novel research. This conference will also host poster presentations in related sciences such as physics, nanotechnology and biochemistry.

Be ready to experience new insights into how Science can deliver magic to the Depths of Asian Skin.

Stephanie F. Chan

Society of Cosmetic Scientists of Singapore (SCSS)
78 Shenton Way #15-02
Singapore 079120, Singapore
Tel: +65-62-25 63 97
Fax: +65-62-25 52 13
Email: sjacklowsky@scss.org.sg
Website: www.scss.org.sg



SWISS SCC – SWISS Society of Cosmetic Chemists

SWISS SCC Seminar end of 2005

Catherine Schneider / Rausch AG and Dr. Hans-Jürg Furrer / Louis Widmer AG have been responsible to lead and moderate the annual seminar of the SWISS SCC.

At the end of 2005 more than 50 persons attended the very interesting lectures ref.

»Food supplements and cosmetic care«

Cosmetics and food supplements partially are linked under the food law – they influence each other and some conceptual efficacy claim is transferred from one industry to the other – being more or less valid.



Picture: Speakers at the SWISS SCC Conference

5 speakers explained their position regarding this topic in an excellent and very competent manner:

As first speaker *Dr. Cornelia Schürch* of Mibelle Cosmetics AG, Buchs highlighted differences and communities ref. »cosmeceuticals und nutraceuticals« from market and regulatory point of view. On an international level grey zones and differentiating aspects were explained. From a regulatory point of view, cosmetics can be regulated in Europe under the cosmetic regulation, in US under the OTC – and in Asia under the quasi-drug – regulations. Pharmaceuticals and cosmetics are clearly different with regard to admission/registration and toxicological evaluations. Wordings such as nutricosmetics, cosmeceuticals or nutricosmeceuticals have no legal basis and are only based on marketing point of view. Cosmetic »active« ingredients derived from the food sector are mainly vitamins, especially the coenzyme Q10 and phyto-oestrogens (menopause). In principal for each new product the regulatory requirement should also be taken into account – additionally to the positioning of the product, the »active« ingredients, the bioavailability, the claim and the use of special ingredients.

Prof. Dr. Paul Walter, Professor emeritus, of the university of Bale emphasized the »nutritive ingredients for the skin«. A balanced healthy nutrition with an adequate energy level is important for beautiful skin and any single nutrient based nutrition is estimated to be negative. In Switzerland the estimated economic costs due to causes of death related to nutrition background (i.e. cardiovascular diseases, adiposity) amount to approx. 5.5 billion CHF/year. *Prof. Dr. Paul Walter* defines »nutricosmetics« as making the skin, hair and nails more beautiful, based on adding adequate nutrients into the cosmetic formu-

las. Mainly vegetables, fruits and cereals contain bioactive plant active ingredients. Summarizing he foresees a big future using food concepts in cosmetics.

Dr. Leo Zängerle/Weleda AG, Arlesheim showed with his lecture »holistic body care« the background of Rudolph Steiner's anthroposophical philosophy and the 'Weleda' products. Dr. Ru-

dolph Steiner's philosophy was a counter-movement to the rationalism and materialism with currently valid elements in the social, educational and architectural sectors. This philosophical view can also be seen in the specific selection of certain ingredients for cosmetics. For example, *Dr. Leo Zängerle* demonstrated with the model of beeswax that, according to the anthroposophical science, the base of the beehive is a pure spiritual essence – only from spirit can material be formed. The advantage of 'living' natural beeswax for cosmetics is its fine natural protection yet non-occlusive qualities on the skin. Taking the example of birch tree-massage oil-extract he explained the concept of transferring the 3 part system of human beings (nervous-, rhythmic and metabolic systems) to plants (root, leaf, bloom) and skin (dermis, epidermis, subcutis).

As fourth speaker *Mildred Jeudi*, Alban Müller AG, Vincennes, highlighted »plant extracts for food supplements with cosmetic effects«. Only special plant extracts are suitable for use in food supplements, also choosing the right solvent. After the phase of maceration, optimization and filtration, the drying can be done by dehydration, by lyophilisation or by spray drying. Alban Mueller uses a particularly careful procedure of the Zeodration, an optimized drying procedure in form of dehydration under vacuum with absorption of water on Zeolite. As »active ingredients«, primarily ingredients of the secondary metabolic system were selected, eg adapted to extreme environmental conditions. Cosmetic effects for slimming can for example be induced by taking ingredients of mate (leaf) of black currant (leaf). The intake of polyphenols and/or other antioxidants lead to more beautiful skin. Pigments can guarantee a basic sun protection, minerals (especially Si) are



recommended to have an effect for hair and nails.

The final contribution of the day was given by *Prof. Dr. Ulrike Heinrich*/Dermatronnier Witten with *»efficacy proof of food supplements«*. Various studies confirm the efficacy of nutricosmetics as *i.e.* antioxidants, minerals or vitamins. Nutricosmetics therefore are valid supplements to our daily food, especially considering current fast food behavior. Between 1995 and 2005, the Institute of Dermatronnier has performed 17 efficacy studies (oral) of food supplements with more than 300 patients. Using 2 example studies it was shown, that the ingredients carotin, lutein, lycopin or their mixtures resulted in a very good biological basic sun protection. Ref. *»skin aging«*, the intake of soja-isoflavonen in the Asiatic population/ menopause has been shown in a study to significantly improve skin thickness, elasticity and skin moisture. In a screening test of 5 patients, the intake of polyphenol-drinks over 3 months demonstrated a significant improvement of skin thickness, skin moisture, microstructure and even the density of hairs (number of hairs).

After a very interesting and instructive day, all participants take a lot of new knowledge of food supplements and cosmetics back to their office, which will definitely be reflected in various new, innovative products.

Dr. Marion Fröschle

SWISS Society of Cosmetic Chemists
(SWISS SCC)

PO Box 235

9425 Thal, Switzerland

Tel.: +41-71-886 42 80

Fax: +41-71-888 78 27

Email: message@swissccc.ch

Website: www.swissccc.ch

SCC

SCC – Society of Cosmetic Chemists

The 2005 SCC Annual Meeting in NY Celebrating the Society's 60th Anniversary!

The 2005 Annual Scientific Meeting and Technology Showcase was held on December 8th and 9th at the New York Hilton. This year the meeting held added significance as the Society celebrated its 60th Anniversary. The Annual Scientific Meeting's success continued with informative presentations, exceptional posters, wonderful luncheons and an extended Suppliers Cocktail Reception that included plenty of food and wonderful entertainment including our very own SCC Band! The Technology Showcase was expanded to two days and there were a record number of posters. With over 1,300 attendees registered, the Annual Meeting continues to be a huge event for the Cosmetic Industry! Even the snowfall on Friday did not force the majority of attendees to leave early.

At the Thursday Awards Luncheon, the presentation of the **Maison G. de Navarre Medal Award**, the Society's highest honor, was presented to this year's recipient, *Paul Thau*. Paul was eulogized by his dear friend, *Henry Maso*, before *Greg Hillebrand*, 2005 SCC President, presented the award. Paul was most gracious in his acceptance of this award and was so pleased that his family was present to see him receive this most prestigious honor.

At the Supplier Cocktail Reception, the Society celebrated its 60th Anniversary with some very special events. *Guy Padulo* had the honor of introducing the Society's very own Band, *»The SCC Seven«*. Led by Peter Kaufmann on the trumpet, this group had Chris Gerlach on the Guitar, Kris Maynard and Henry Maso on the Harmonica, SCC President, *Greg Hillebrand*, and John Bozza on the saxophone and Vince Misiti on the piano. They played for a half hour and ended with their very own song, *»The SCC Blues«* sung by Chris. Everyone in attendance was excited by the performance and they have been requested to play again at next year's reception. After the Band's performance there was a special video that was shown highlighting the past 60 years. Special thanks to *Chad*

Pavlis for putting together this memorable compilation. Then Ric Mango and his Orchestra took everyone on a stroll through the decades with music from the 40's, 50's, 60's, 70's, etc. For each decade, dancers performed and then taught attendees the respective dance of the decade. A fun evening was had by all.

The Society hopes that everyone enjoyed the 2005 Scientific Meeting. The Society also thanks all those who made presentations, either podium or poster, and all attendees for making this year's meeting so successful. Next year's Annual Scientific Meeting will be held December 7-8, 2006 at the New York Hilton.

The Committee on Scientific Affairs and its 2005 Chair, *Janusz Jachowicz* (International Specialty Products) arranged the technical sessions. The program was as follows:

Session A – Cosmetic Science: Today & Tomorrow

was moderated by Karl Krummel (L'Oréal USA). This session featured a Keynote Address from Harvey Gedeon, Senior Vice President of Global Research & Development at Estee Lauder entitled *»The Challenges Facing Today's Cosmetic Chemist«*. Additional featured presentations were made by Paul J. Matts, Ph.D. (Procter & Gamble) entitled *»Chromaphore Mapping: A New Technique to Explain the Appearance of Aging Human Skin, In Vivo«* and Lieve Declercq, Ph.D. (Estee Lauder Companies) entitled *»The Bioengineering Consequence of Glycation in the Aging Human Skin«*. The 2005 Frontiers of Science Award Lecturer was K. Eric Drexler, Ph.D. (Nanorex, Inc.). Considered the *»Father of Nanotechnology«*, he gave an excellent presentation based on his experience in Nanotechnology entitled *»Active Nanosystems: Towards a Bottom-Up Revolution in Organizing Matter«*.

Session B – Applied Methods was moderated by Janusz Jachowicz, Ph.D. (ISP). Featured presentations were made by Robert Lochhead, Ph.D. (The Institute for Formulation Science) entitled *»A Combinatorial Investigation of the Effects of Order of Addition in the Interaction of Polyelectrolytes with Surfactants«*, Miklos Breuer, Ph.D. entitled *»The Physical Chemistry of Hair Fiber Array-Water Interactions«*, Amy Zimmerman (Access Business Group) entitled *»Method Devel-*