

SCC

SOCIETY OF COSMETIC CHEMISTS

THE SOUTHEAST CHAPTER



Volume XXXIII, Number 4

October 2015

2015 Southeast Chapter Officers

CHAIR

Jayesh Patel

Bayer Consumer Care
(901) 320-2246
jayesh.patel1@bayer.com

CHAIR-ELECT

Stephen Baldwin

Bayer Consumer Care
(901) 320-2747
stephen.baldwin@bayer.com

SECRETARY

Paul Allen

Bayer Consumer Care
(901) 320-2252
paul.allen1@bayer.com

TREASURER

Lisa Sloan

WM Barr
(901) 334-4391
lisa.sloan@wmbarr.com

Newsletter Editor

John Wagner

Bayer Consumer Care
(901) 320-2060
john.wagner1@bayer.com

Southeast Chapter Scientific Dinner Meeting Wednesday, October 21, 2015

Speaker: Craig Bonda

**Location: Strano Sicilian Kitchen & Bar
948 S. Cooper St.**

**(corner of Cooper and Young in midtown Memphis)
Memphis, TN 38104**

5:30 pm to 6:30 pm - Social Hour / Registration

6:30 pm to 8:00 pm - Dinner

8:00 pm Speaker

\$45 SCC Chapter member

\$55 non-SCC member

RSVP by noon, October 19th to Paul Allen

(901) 320-2252 or e-mail: paul.allen1@bayer.com



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Papers**

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Message from the Southeast Chair

The Best of Greetings from the Chair to all my Southeast Chapter members. I hope all of you had a great summer. For us in Memphis, we had days when it was triple digit temperatures with the heat index rising to 105 to 108 sometimes, and then sometimes in July and August we had surprising very pleasant and comfortable temperatures. The Southeast Chapter Suppliers Social Event in June was outstanding at the beautiful Pink Palace Museum in Memphis. We continued with our most favorite theme for the event – Golf. Many of our members love the sports and always welcome the related door prizes.

Lisa Sloan, as always, does a marvelous job setting up our venues and we thank her! Hope you enjoyed the brief history of The Pink Palace Museum presented by Stephen Baldwin and had a great time mixing and socializing with other chapter members.

We would like to thank everyone that came out, our sponsors who generously donated many door prizes and gift cards and especially Sonneborn for sponsoring the Cocktail hour, and McCullough & Associates for sponsoring the wine and desserts during dinner.

The Southeast Chapter is a lot of fun. It is almost that time again to select next year's officers. If you have an interest in running please let us know by October 1st.

Thank you so much for all you do.

Sincerely,

Jayesh Patel

SCC Southeast Chapter Chair

Thanks to the Sponsors of the 2015 SCC Southeast Chapter Supplier's Social

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SOCIETY OF COSMETIC CHEMISTS

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DEDICATED TO THE ADVANCEMENT OF COSMETIC SCIENCE

The Society of Cosmetic Chemists' Continuing Education Advisory Committee is delighted to announce that registration is now officially open for the below courses. The SCC is dedicated to providing interactive courses that serve the needs of professionals in our industry. CEP instructors are highly qualified industry experts. You will come away from these small, interactive courses having gained the knowledge needed to advance your professional development. To register or to learn more please visit www.sconline.org. If you have questions please call 212-668-1500 or email dscelso@sconline.org.

Register Now – Class Size is Limited! All courses will be at the SCC National Office in NY City unless otherwise detailed below).

Preservatives

July 8, 2015

NEW! Claims for Skin Care Products – From Biomarkers to Human Studies

October 6, 2015

Surfactants

July 15, 2015

Introduction to Polymer Chemistry

October 27 – 28, 2015

NEW! Cosmetic Raw Materials For Skin Care Products

August 24 – 25, 2015

Scale Up and Processing Cosmetic Formulations

November 6, 2015

Practical Basic & Theory in Emulsion Technology

August 17, 2015

Beginning Cosmetic Chemistry

(in conjunction with SCC Annual Meeting)

December 9, 2015

Regulatory Update

September 9-10, 2015

Hilton Hotel & Towers, New York City

NEW! "Hands On Lab Experience" – Liquid Foundation Emulsion

Technology

September 30 – October 1, 2015

Toledo, Ohio

Gums, Thickeners and Rheology Modifiers

(in conjunction with SCC Annual Meeting)

December 9, 2015

Hilton Hotel & Towers, New York City



JOURNAL OF COSMETIC SCIENCE

The Official Journal of the Society of Cosmetic Chemists

CALL FOR MANUSCRIPTS

The Society of Cosmetic Chemists is soliciting scientific manuscripts concerned with cosmetics or the sciences underlying cosmetics, as well as papers of interest to the cosmetic industry for publication in the *Journal of Cosmetic Science, The Official Journal of the Society of Cosmetic Chemists*.

The *JOURNAL* will consider manuscripts for publication in the following categories, providing they are prepared in proper scientific style and adequately referenced:

- ◆ Original Articles
- ◆ Review Articles
- ◆ Technical Notes
- ◆ General Articles
- ◆ Preliminary Communications
- ◆ Letters to the Editor

SUBMISSION OF MANUSCRIPTS

Manuscripts submitted for publication should be accompanied by a covering letter and sent via email to the following address dscelso@sconline.org. Additional information is available from the SCC National Office.



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Surfactants

Sun Damage in the Dark – Yes, in the Dark

by Perry Romanowski on 05/12/2015

Here is some surprising research that suggests a new angle to explore in the formulating of skin care and sunscreens.



Contributing authors – Meaghan Lee-Erlandsen and Dr. Nora Khaldi of Nuritas
Guest post

We at [Nuritas](#) have always thought that sun damage occurred during sun exposure and ended immediately after returning indoors. To our surprise, recent research published in Science and conducted by Prof. Douglas E. Brash, Clinical Professor of Therapeutic Radiology and Dermatology at Yale School of Medicine, and co-authors, shows that most sun damage occurs hours after exposure, even in the dark!

As many of us know, too much sun exposes the body to high amounts of ultraviolet radiation (UV) which damages the DNA in melanocytes, the cells that make melanin (melanin is what gives your skin its color). What we didn't know is that most of this damage happens hours after sun exposure.

This DNA damage is a major cause of skin cancer and in sunny places such as Australia it accounts for 80% of all newly diagnosed cancers¹. Indeed, two in every three Australians will be diagnosed with skin cancer by the age of 72. This of course is not limited to warm countries as one may unfortunately underestimate the effects of UV on the skin in areas where clouds are a common feature (UV light can go through clouds) or in colder regions with sunny skies. Indeed, one in [every three cancers diagnosed globally is a skin cancer](#). We wanted to understand a little more of Prof. Brash's recent finding and thus asked him to provide us with a layman's summary of this work as well as tell us if he forecasts any possible solutions.

(continued on page 5.)

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Sun Damage in the Dark – Yes, in the Dark continued from page 4.

Prof. Brash explains “My co-authors and I found that the ultraviolet radiation interacts with melanin to cause cyclobutane dimers for hours after the UV exposure ends. A cyclobutane dimer occurs when two adjacent ‘letters’ in DNA attach to each other and bend the DNA, preventing the information inside the DNA from being read correctly which is the start of DNA damage. We found that nearly half of the DNA damage associated with the cyclobutane dimers occurs after sun exposure.”

More precisely he explains that what was ultimately happening during this process was that the UV rays activated two enzymes that combined to excite an electron in the melanin, the energy generated from this excitation (known as chemiexcitation) was then transferred to the DNA, thus creating the same DNA damage that sunlight had caused hours before. This type of excitation of electrons has only been previously seen in smaller marine animals and bacteria.

So is this a dead end, or could there possibly be some solutions? Prof. Brash thinks that this is not all bad news. The slow pace of these events provides an opportunity for products and creams that may be able to intervene in this process and eventually block this chemical reaction from happening.

At Nuritas, we find this groundbreaking research incredibly important as further information and understanding of one of the most common cancers in the world is vital to finding healthy and innovative treatments for all stages of its development. Perhaps in the near future our sun creams will contain an added ingredient that will inhibit the long-lasting effects of UV, perhaps these ingredients could be peptides!

Here’s to keeping your skin safe and enjoying a happy and healthy sun-filled summer!

References:

Premi S, et al. Chemiexcitation of melanin derivatives induces DNA photoproducts long after UV exposure. Science 20 February 2015: Vol. 347 no. 6224 pp. 842-847 DOI: 10.1126/science.1256022

1 <http://www.cancer.org.au/about-cancer/types-of-cancer/skin-cancer.html>

2 <http://www.cancer.org.au/about-cancer/types-of-cancer/skin-cancer.html>

3 <http://www.who.int/uv/faq/skincancer/en/index1.html>



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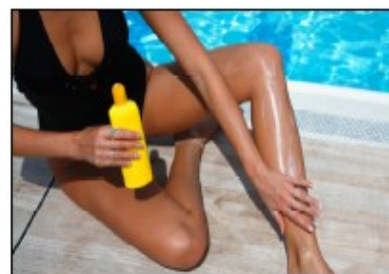
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Letter from the National Office – SCC

Dear Colleagues,

I'm writing to provide two very important updates regarding the 29th IFSCC Congress, scheduled for October 2016 in Orlando, Florida. We're in the process of issuing a formal press release but we ask that you also please share these critical updates with your Chapter members as soon as possible.

First, the dates of our Congress are moving by one week. The new dates for the 29th IFSCC Congress will be October 30, 2016 – November 2, 2016 (instead of the original dates of October 23, 2016 – October 26, 2016). Of importance to our Society and the entire international community, by making this date modification we've been able to significantly lower the room rate at this world class resort. Formal details will follow once registration opens early 2016.

Secondly, following some valuable feedback we've received regarding the Call for Papers deadline that was previously established, both our Committee on Scientific Affairs (COSA) and Congress Organizing Committee have agreed to extend the Call for Papers deadline. The Call for Papers deadline will now be December 31, 2015 (instead of the original date of September 30, 2015). We trust this additional time will enable our community to respond to the Call for Papers for the 2016 Congress.

These important changes have just been confirmed and we're working to update our website and systems now but wanted to make you aware right away.

We urge everyone interested in being a participant in the Congress to submit an abstract by the revised deadline for consideration. Of course, we also encourage our entire community to please save the date (October 30 – November 2, 2016) and plan on attending the 29th Congress.

The Dolphin Resort will offer the most up-to-date facilities and Walt Disney World will be a spectacular backdrop to this wonderful event.

Many thanks for your continued collaboration.

Sincerely,

David Smith
SCC Executive Director



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THE US SOCIETY OF COSMETIC CHEMISTS HOSTS THE 29TH IFSCC CONGRESS
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Presents

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2016 Naturally Kiawah Call for Papers

CAROLINA SOCIETY OF COSMETIC CHEMISTS Call for Papers 2016 Naturally Kiawah Symposium

April 21, 2016
Kiawah Island Golf Resort
Kiawah Island, South Carolina

Authors are invited to submit titles and abstracts of no more than 150 words for original papers to be presented in podium format. All topics related to Natural and Green Science will be considered for presentation. Topics of particular interest for submission of the abstracts are:

- How Are Advances in Science Effecting the Development of New Natural /Green Raw Materials and Products
- Eco Friendly Manufacturing (carbon footprints, alternate forms of energy, waste management techniques)
- Effect of Natural/Green Products on Skin Biology
- Fair Trade Opportunities in Personal Care
- Preservation and Stabilization of Natural Products
- Marketing and Consumer Trends
- Regulatory Updates
- Sustainable Sourcing and Manufacturing
- Novel Delivery Systems for Natural Products
- Green/Natural Packaging

DEADLINE: November 1, 2015

Abstracts should be submitted on a separate sheet along with this flyer or Abstract Cover Sheet and send via e-mail to catherinewalker@xytrus.com or mail to: Catherine Walker, Xytrus, 9200 Stockport Place, Charlotte NC 28273. All Abstracts will be reviewed and selected by the CCSCC Education Committee no later than December 15th. **After acceptance of abstracts by the Committee, all presenters will be required to submit an electronic copy of their full presentation 4 weeks prior to event date. Final presentations will be due no later than March 21st 2016. No changes in presentations will be acceptable one week prior or on the day of the presentations.**

Cover Sheet Information:

Presenter's Name:

Title: (Prof., Dr., Mr., Mrs., Ms.)

Author(s):

Company Name:

Telephone #:

Fax #:

E-Mail Address:

Abstract Title:

Abstracts should be single spaced and typed on a separate sheet (150-200 words). Complete generic names as well the INCI nomenclature are requested for all ingredients. Abstracts should be informative, containing:

1. a sentence statement of the study's specific objective
2. brief statement of methods, if pertinent
3. summary of results obtained
4. statement of conclusions

Equipment requirement for presentation:

____ LCD Projector for PowerPoint