

# SCC

SOCIETY OF COSMETIC CHEMISTS

## THE SOUTHEAST CHAPTER



Volume XXXII, Number 3

June 2014

### 2014 Southeast Chapter Officers

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### **Southeast Chapter's Suppliers Social Event Wednesday, June 18, 2014**

**Dixon Gallery and Gardens  
4339 Park Ave.  
Memphis, TN 38117**

**5:30 pm - 6:30 pm - Registration/Cocktail  
6:30 pm - Dinner  
7:30 pm – Door Prizes**

**\$45 SCC member / \$55 non-SCC member**

**RSVP by noon, June 16th to Paul Allen  
(901) 320-2252 or e-mail: [paul.allen@merck.com](mailto:paul.allen@merck.com)**



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## Message from the Southeast Chair

The Southeast Chapter of the Society of Cosmetic Chemists proudly announces the 2014 Suppliers' Social Event to be held Wednesday June 18<sup>th</sup> at the Dixon Gallery & Garden in Memphis TN. The event will consist of a social hour followed by dinner, and a drawing of door prizes.

Suppliers are invited to help sponsor this event with cash donations and/or door prizes. As in years past, we have special categories of sponsorship: silver (\$100), gold (\$250) and platinum (\$500). McCullough&Associates has graciously accepted to be the Cocktail Sponsor! These special category sponsors will be listed by level on a poster at the event, and recognized from the podium.

If you would like to make a monetary contribution, please make checks payable to: Society of Cosmetic Chemists - Southeast Chapter and mail your contribution to:

Society of Cosmetic Chemists – Southeast Chapter  
Attn: Lisa Sloan  
P.O.Box 22037  
Memphis, TN 38122

As a supplier of the cosmetic industry, this is a wonderful opportunity for you to meet with representatives from product development, purchasing, and management divisions from many of the personal care companies in our area.

If you have any questions about the event or need additional information, please contact:

Stephen Baldwin at 901-320-2747 or  
[stephen.baldwin@merck.com](mailto:stephen.baldwin@merck.com) .

For specific venue questions, please contact:

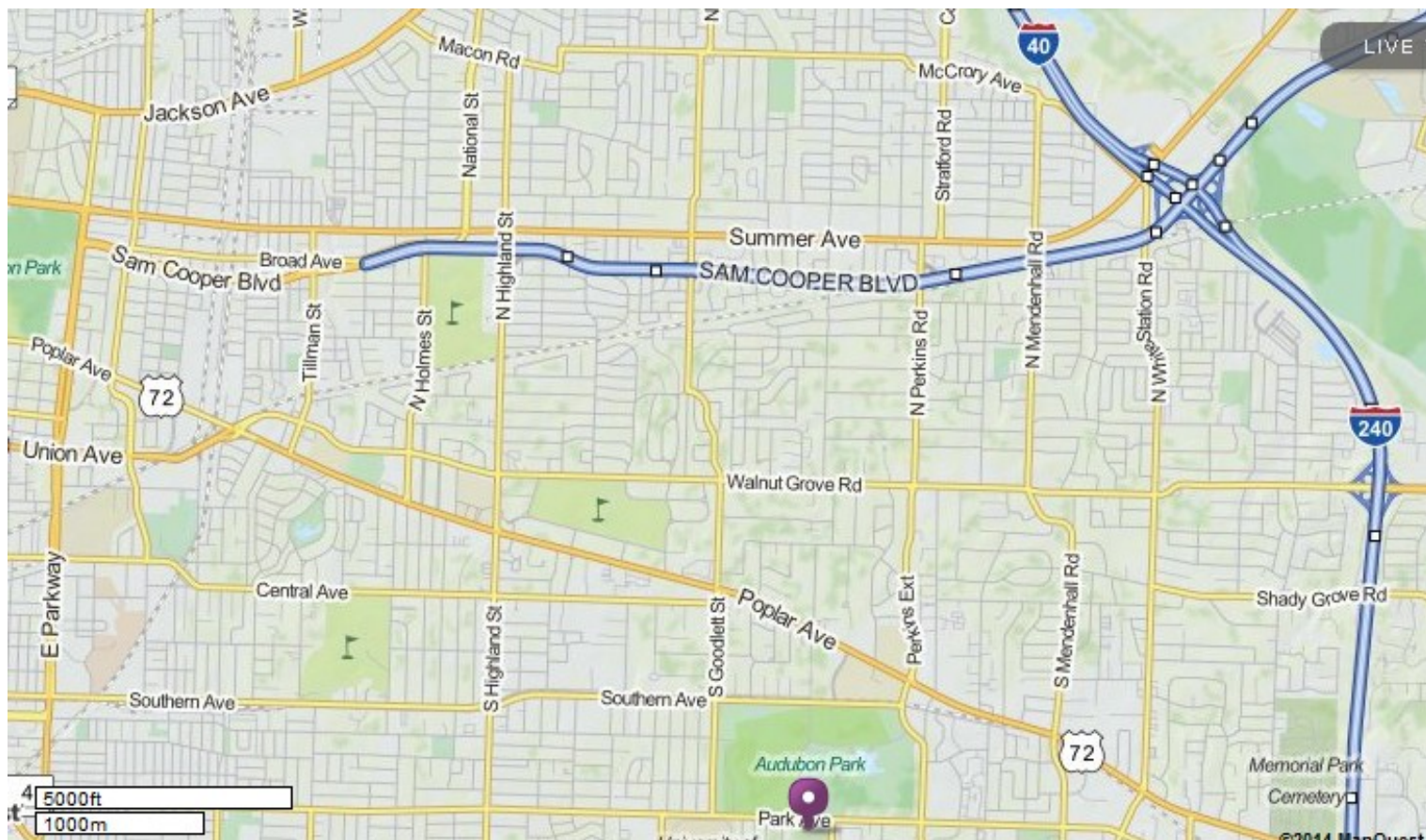
Lisa Sloan at 901-320-2784 or [lisa.sloan@merck.com](mailto:lisa.sloan@merck.com).

We look forward to seeing you on June 18th in Memphis!

Sincerely,  
Stephen Baldwin  
SCC Southeast Chapter Chair



## Map to Dixon Gardens & Gallery, 4339 Park Ave. Memphis, TN



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**2014**  
New York Society  
of Cosmetic Chemists  
**Antioxidant Symposium**  
*Save the Date*  
**June 5, 2014**

New York Academy of Sciences • World Trade Center, Building 7 • New York, NY

The New York Chapter of the Society of Cosmetic Chemists is proud to announce the 2014 NYSCC Antioxidant Symposium, which will feature key academic and industrial researchers in the field of antioxidants and the skin. The conference will be held on the top floor of the newly constructed Building 7 of the World Trade Center, home to the New York Academy of Sciences. There will be a concurrent poster session in which entries will be eligible for the poster competition and will be judged on originality and innovation relevant to methodologies and the use of antioxidants in skin care.

Conference attendees will receive a complimentary book:  
*Antioxidants and the Skin*



## New York Society of Cosmetic Chemists

### Agenda

9:00 a.m. – 9:50 a.m.	Breakfast and Registration
9:50 a.m. – 10:00 a.m.	Opening Remarks – NYSCC Chair Steve Neidenberg and NYSCC Program Chair Cathy PETERSKI
10:00 a.m. – 10:30 a.m.	Antioxidants and the Skin – Roger L. McMullen, Ph.D. (Ashland Specialty Ingredients and Fairleigh Dickinson University)
10:30 a.m. – 11:00 a.m.	Environmental Effects on Skin: Antioxidant Protection Against Oxidative Challenge – Ed Pelle, Ph.D. (Estée Lauder Research Laboratories)
11:00 a.m. – 11:30 a.m.	Botanical Antioxidants for Health and Beauty of Skin – Hasan Mukhtar, Ph.D. (University of Wisconsin)
11:30 a.m. – 11:45 p.m.	Coffee Break
11:45 a.m. – 12:15 p.m.	IFSCC International Speaker – Changes in Cutaneous Radical Scavenging Activity after Topical and Systemic Application of Antioxidants – Marina Meinke, Ph.D. (Klinik für Dermatologie, Venerologie und Allergologie, Berlin, Germany)
12:15 p.m. – 12:35 p.m.	Polyphenol-protein Complexes for Stable Delivery of Fruit Antioxidants – Diana Roopchand, Ph.D. and Nava Dayan, Ph.D. (Rutgers University, Nutrasorb, and Dr. Nava Dayan, LLC)
12:35 p.m. – 12:55 p.m.	Oxidative Stress Applied to Aging and Acne Prone Skin – Jean-François Molina (Solabia)
12:55 p.m. – 2:00 p.m.	Lunch – Poster Session
2:00 p.m. – 2:30 p.m.	Keynote Lecture: Role of Topically Applied Antioxidants in Photoprotection Against UV and Infrared A Radiation – Prof. Dr. Jean Krutmann (IUF – Leibniz Research Institute for Environmental Medicine)
2:30 p.m. – 3:00 p.m.	Prevention of Ultraviolet Radiation-induced Oxidative Stress in Skin by Dietary Phytochemicals – Santosh Katiyar, Ph.D. (University of Alabama at Birmingham and Birmingham Veterans Affairs Medical Center)
3:00 p.m. – 3:20 p.m.	Antioxidants for Skin Health – Kelly Delgado (Kemin)



## New York Society of Cosmetic Chemists

### Agenda

3:20 p.m. – 3:40 p.m.	A Natural Meroterpenoid Providing Skin Benefits by Modulating Multiple Molecular Targets – Ratan Chaudhuri, Ph.D. (Sytheon Ltd.)
3:40 p.m. – 4:00 p.m.	Coffee Break
4:00 p.m. – 4:30 p.m.	The Need for Topical Antioxidants to Achieve Protection and Reversal of Environmental Damage of the Skin – Karen Burke, Ph.D., M.D. (Mt. Sinai Medical Center)
4:30 p.m. – 4:50 p.m.	The Biologic Clock: The Mitochondria – Karine Cucumel, Ph.D. (Ashland Specialty Ingredients – Vincience)
4:50 p.m. – 5:20 p.m.	Antioxidants Within the Global Specialty Active Ingredients Market: Current Situation and Outlook – Nikola Matic (Kline)
5:20 p.m. – 5:40 p.m.	Fucus Extract: A New Approach for the Treatment of Under-eye Dark Circles – Manasi Chavan, Ph.D. (BASF Beauty Creations)
5:40 p.m. – 6:00 p.m.	Antioxidants as Antiagers: Emerging Evidence for the Reduction of Visible Signs of Skin Aging – Roberto Dal Toso, Ph.D. (Sederma)
6:00 p.m. – 6:05 p.m.	Closing Remarks – NYSCC Chair Steve Neidenberg and Symposium Chair Roger L. McMullen, Ph.D.
6:05 p.m. – 7:30 p.m.	Cocktail Reception

### Poster Competition & Prizes

There will be a concurrent poster session.

1st place: \$1,500 • 2nd place: \$1,000 • 3rd place \$500

For information regarding the poster session, please contact Bret Clark at [rbclark@ashland.com](mailto:rbclark@ashland.com).

### Registration

EARLY REGISTRATION – Prior to May 27, 2014

	Members	Non-Members	Students/Unemployed/
Early registration:	\$75	\$125	\$0
Late registration:	\$150	\$200	\$100

For registration, visit [www.nyscc.org](http://www.nyscc.org).

For additional information regarding registration, please contact John Carola at [JohnC@protameen.com](mailto:JohnC@protameen.com).



## New York Society of Cosmetic Chemists

### Hotel Accommodation

Club Quarters, World Trade Center, 140 Washington Street, New York, NY 10006

Arrival: June 4th • Departure: June 5th or 6th

Club	June 4th – \$271	June 5th – \$236
Standard	June 4th – \$291	June 5th – \$256
Superior	June 4th – \$311	June 5th – \$276

All rates are exclusive of tax and based on single occupancy.

There is a charge of \$15 for each additional person, age 12 and over.

Individuals can call or e-mail directly to our Member Services Department to make room reservations.

Member Services can be reached at (203) 905-2100 from Monday – Friday, 7:00 a.m. – 11:00 p.m.

and Saturday, 10:00 a.m. – 6:00 p.m. (EST); or via e-mail at [memberservices@clubquarters.com](mailto:memberservices@clubquarters.com).

Please mention that you will be attending the NYSCC Antioxidant Symposium at the New York Academy of Sciences.

### Transportation to the World Trade Center

#### ■ NYSCC Bus Service

The NYSCC will be offering complimentary bus service to this event. Buses will be available and leave promptly at 8:00 a.m. from two locations in New Jersey:

- Parking lot behind Harold's New York Deli: 3050 Woodbridge Avenue, Edison, NJ (Right by Edison Hotel)
- Garden State Plaza: Between Chili's and Candy store. Left corner near service road.

Attendees planning on utilizing the NYSCC bus service must reserve a seat. Please contact Yelena Zolotarsky for reservations at [Yelena.Zolotarsky@sensient.com](mailto:Yelena.Zolotarsky@sensient.com). Please write 'Edison, NJ Bus' or 'Garden State Plaza Bus' in the subject title.

#### ■ New York City Subway

- 2, 3 to Park Place
- E to World Trade Center
- 4, 5 or J, Z to Fulton Street
- A, C to Chambers Street
- R to Cortlandt Street

#### ■ PATH Rail System

Fares on the PATH system are \$2.25 per trip. Service to the World Trade Center is available from Newark Penn Station, Jersey City, and Hoboken in New Jersey. When you arrive at WTC, the Vesey Street exit will put you just in front of 7 World Trade Center.

#### ■ Symposium Location

The New York Academy of Sciences

7 World Trade Center, 250 Greenwich Street, 40th Floor, New York, NY 10007-2157 • (212) 298-8600





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## SPECIAL EVENTS

Sept. 24 - CEP Course

Sept. 24 Evening - Cocktail Reception & Supplier Showcase  
 at Turtle Point Country Club

Sept. 25 - Full Day Technical Seminar

Sept. 26 - Annual Golf Outing at Turtle Point  
 Spa Treatment at the Sanctuary

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### FOR ADDITIONAL INFORMATION

Michelle Linscott - Michelle@xytrus.com

Michael Licciardello - mlicciardello@gracemg.com



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## Safety Assessments for Cosmetic Finished Goods

by Kelly Dobos on 05/21/2014

As formulators of cosmetic products, we must ensure the products are safe for consumer use. The Food, Drug and Cosmetic Act of 1938 mandated quality and identity standards, prohibited false therapeutic claims, and clarified the FDA's control of product advertising, among other items. According to the Code of Federal Regulations (21 CFR 740.10a). Each cosmetic manufacturer is responsible for:

- using only safe and suitable ingredients
- substantiating the safety of those ingredients and of the finished product

### FDA Cosmetic Regulation

This means that manufacturers of cosmetics in the United States, no matter how big or small, are obligated to perform safety tests on the products they produce. In fact, ingredients or finished goods whose safety has not been evaluated are misbranded (false, misleading, or fraudulent) and must have this text on the label:

“ Warning — the safety of this product has not been determined.”

The FDA can send warning letters, safety notices, and initiate recalls or withdrawals of product from the market. Safety testing is serious stuff!

continued on page 7.



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Continued from page 6.

### Types of Safety Testing

The type of safety testing is often determined by area of contact (skin, eye area) and can be modified depending on the type of product and how it may be used e.g. diluted. Safety testing can also be used to generate product claims. Here are some examples:

- mildness
  - \* hypoallergenic
  - \* dermatologist tested

There are two commonly accepted methods for making skin safety assessments in the industry. These are the 21-Day Cumulative Irritation Test (CIT) and the Human Repeat Insult Patch Test (HRIPT). Both of these methods use a trained observer to measure inflammation, which is the body's general response to distress. The four classic signs of inflammation are:

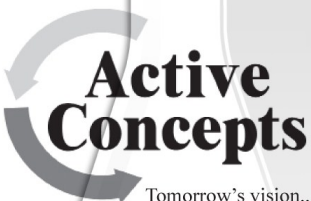
- Erythema (Redness)
- Edema (Swelling)
- Pain
- Heat

### 21-Day Cumulative Irritation Test

The CIT measures inflammatory response to an irritant. It occurs immediately and only at the site of exposure. The response tends to be universal (produces a reaction in most individuals) and depends on the strength and duration of exposure. In this type of test products are applied to human subjects under an occluded patch, usually on the back, and graded daily for a total of 21 days. A known irritant and a non-irritant are run as controls. The scores are summed across all subjects to provide a cumulative irritation score. The score can be compared to the large pool of historical test data to make judgments about irritation potential. An additional challenge phase can be run two weeks after the last patch was removed to understand potential for sensitization, which is usually measured with the HRIPT.

continued on page 8.

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Continued from page 7.

### Human Repeat Insult Patch Test — Sensitization, Allergic Response

Sensitization is the process by which a person becomes, over time, increasingly allergic to a substance through repeated exposure to that substance. It is very different from irritation because it involves immune response, the reaction becomes worse with repeated exposure, and it is usually specific to individuals. The HRIPT consists of 2 phases, possibly 3.

Phase I is the Induction Phase where product is applied to the skin a few times during the course of a week. This is followed by a two-week rest period after which the skin is exposed to the product again in Phase II or the Elicitation Phase. A response in Phase II is usually allergic in nature and Phase III is used to verify and better define the reaction.

### Photosensitization

The HRIPT method can also be modified for photosensitization, which is particularly useful for sunscreens. Photosensitization can occur when normally harmless molecules undergo changes when exposed to UV light.





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