JANUARY CHAPTER MEETING
THURSDAY JANUARY 16TH, 2014

See Detailed Speakers Bio/Abstract Inside

Nava Dayan Ph.D

“Sunscreens Skin Cancer Prevention Assessment beyond SPF and UVA-PF-Insights to Utilizing Proteomics”

WHERE: Colonial Springs Golf Club: 1 Long Island Ave. Farmingdale NY (MAP)
COCKTAILS: 5:30 PM
DINNER/SPEAKER/DESSERT: 6:30 PM - 8:30 PM
MEMBER TICKET: $50.00
NON-MEMBER TICKET: $55.00

Tickets are available through our website!
Click HERE to purchase.
LETTER FROM THE CHAIR.

I would like to start by wishing a very HAPPY NEW YEAR to all of the members of the Long Island Society of Cosmetic Chemists!

Welcome to our first newsletter of the New Year and my first editorial as your 2014 chair.

I would like to say “thank you very much” to our 2013 chair, Brandon Neblett for all his hard work and the awesome job that he did as our chair in 2013.

Our first dinner meeting for 2014 will have the honor to have Dr. Nava Dayan present an interesting topic “Sunscreens Skin Cancer Prevention Assessment beyond SPF and UVA-PF- Insights to Utilizing Proteomics”

I really look forward to seeing all our members as we meet for the 1st time at Cold Spring Golf Course in Melville on January 16th 2014.

Please don’t forget to save the date for our annual sky trip taking place on February 7th. It is going to be as always great fun!

The board is working very hard to finalize the dates and specifics of the rest of our up and coming events and meetings. We will get the information out to all of you very soon. Please remember that the best way to stay current on chapter events is to visit our website www.liscc.org. Also don’t forget to like us on Facebook and follow us on Twitter!

I am very honored and excited to serve as your Chair, and to continue the pursuit of success and growth we have sustained throughout the past 26 years!

Ruby Del Aguila
Nava Dayan Ph.D. is the owner of Dr. Nava Dayan L.L.C, a skin science and research consultancy located at NJ, USA, and serving the pharmaceutical, cosmetic, and personal care industries; dermal and transdermal.

Nava offers consulting for product feasibility in and into skin care, composition of R&D plans covering efficacy and toxicology; planning, execution and data interpretation into claims of experiments during the processes of drug discovery as well as formulations, delivery for improved efficacy and attenuated toxicity. Sample of expertise includes: drug-skin interaction, bio-markers (genomics and proteomics), skin/age related sensitivities, inflammatory skin disorders, innate immunity and biota.

She also conducts customized education classes. Nava has 24 years of experience in the greater skin care segment, and have yielded more than 150 publication credits in numerous industry-respected journals and in four books.

She has been awarded the In-Cosmetics Gold Award for innovation and commensurate recognition from the NYSCC and the CRS for excellence. Nava has a wide network of CRO's with whom she is working to fine tune and execute R&D.

**Abstract: Sunscreens Skin Cancer Prevention Assessment beyond SPF and UVA-PF-Insights to Utilizing Proteomics**

The efficacy of sunscreens is evaluated by their ability to absorb at the UVB/UVA wavelengths, SPF testing and assessment of Persistent Pigment Darkening (PPD-UVA-PF). These methodologies assess physical absorption, generation clinical erythema and melanin production respectively. While these methods have been used for years and are accepted by industry and variety of regulatory authorities, the correlation between the end points and the ultimate purpose of sunscreens efficacy in skin cancer prevention is not clear.

The initiation and progression of cancer is a complicated biochemical shift from cell cycle homeostasis. Therefore it is sensible that the assessment of sunscreens efficacy includes detection of biomarkers that control and participate in skin cancer. Numerous attempts have been made and successfully pointed towards specific relevant protein biomarkers and their applicability to direct sun exposure and the efficacy of sunscreens. An example of such marker is p53, a tumor suppressor protein. However, due to the complexity of cancer initiation, a more comprehensive marker- panel creation approach may be of value.

Recent years advances in gene and protein expression technologies opens a new era of opportunities to further develop the biological assessment approach. While gene expression provides insights quantifying mRNA levels that are deviated from normal, it may not be correlated with protein content and/or activity and therefore unless followed or replaced by proteomics may not be clinically relevant. It is now known that mRNA is not always translated to protein. In fact, the amount of protein produced for a given amount of mRNA depends on the gene it is transcribed from and on the current physiological state of the cell. The goal of functional proteomics is not only to identify which proteins are deviated from homeostasis in their amounts but also to detect structural changes and identify relevant proteins interactions. Traditional protein expression methods are limited in that one should predict the protein for detection and the process and analysis may be time consuming and expensive. However new and improved methodologies allow faster, cost effective more accurate analysis.

This presentation will describe the need to add biological endpoints to cancer prevention analysis of sunscreens and review relevant published knowledge gathered about specific protein markers. It will suggest a novel tier approach for functional proteomic analysis to be added to the tested panel for sunscreens efficacy so the relevancy to cancer prevention is prominent.
In a decision that’s been in the making since 1978, the FDA announced that it will issue a new rule regulating the use of triclosan and triclocarban in 2016. The FDA has been widely criticized for its prolonged decision process. The announcement is part of a settlement of a lawsuit brought by the Natural Resources Defense Council against FDA for allegedly failing to provide the full records of the approval process for Colgate Total Toothpaste, which contained triclosan, back in 1997. The proposed rule would remove triclosan and triclocarban from consumer body washes and hand soaps unless marketers can show that their products are safe for everyday use and that they are more effective than ordinary soap at preventing the spread of germs. The PCPC and the American Cleaning Institute argue that industry has already provided this data. The proposed rule does not apply to toothpaste, hand sanitizers, wipes, or antibacterial products used in health care settings or food preparation facilities. FDA is accepting comments on the rule through June 2014.

According to a December 15th article in the New York Times, the newest environmental threat to the Great Lakes is very, very small plastic beads used in hundreds of toiletries like facial scrubs and toothpastes. The beads are slipping through water treatment plants and turning up by the tens of millions in the Great Lakes. There, fish and other aquatic life eat them along with the pollutants they carry — which scientists fear could be working their way back up the food chain to humans.

Online beauty retailer DermStore has been strongly advised by the National Advertising Division of the Council of Better Business Bureaus to discontinue claims that its Smart Lash Eyelash Enhancer is “dermatologist recommended” and promotes “up to a 68% increase in the appearance of lash length.” NAD took exception to the fact that the dermatologist recommendation came from only one dermatologist who liked the product and to the way the advertising was worded which suggested that there was an actual increase in lash length. DermStore has said that it will no longer make the claims.

Lush has argued that the use of MIT, methyliso-thiazolinone, in leave-on cosmetics and cosmetic wet wipes. One can easily imply the eventual extension of the recommendation to include all of the iso(thiazolinones.)

FDA Director Dr. Janet Woodcock appeared recently before the House Committee on Energy and Commerce. Among the items discussed were the FDA's notoriously long regulatory process and pending sunscreen applications. Congressmen Ed Whitfield and John Dingell took Dr. Woodcock to task about some applications that they said had been waiting for a decision from the Administration for the last 10 years, despite being used on the European market. Dr. Woodcock responded that; "If possible, we are more frustrated than the manufacturers and you all are about this situation. The problem is that we have to do regulations to get these ingredients into monographs and they are backlogged and slow to get through...We have to do a proposed regulation, and sometimes an advanced notice to that proposed regulation, then a proposed rule and then a final rule which can take 6 – 8 years. We also have multiple categories of these over the counter..."
products that we have to handle, .... But the sunscreens, there’s a public health issue here,” she concluded. The first ever sunscreen final rule in the US went into effect in 2012.

But the sunscreens, there’s a public health issue here,” she concluded. The first ever sunscreen final rule in the US went into effect in 2012.

Starting in June 2014, Chinese companies producing “non-special use cosmetics” such as shampoo or perfume will have the option to substantiate product safety using existing safety data for raw ingredients, or European Union-validated, non-animal tests instead of having to submit product samples to the government for testing on rabbits, mice and rats. Initially the new rules will only apply to cosmetics manufactured in China. However, CFDA has stated that once the new system has been established, it may be expanded to include imported products and certain “special use” cosmetics as well. The catch is that these new rules only apply to products actually manufactured in China.

The possible way forward for foreign cosmetic brands who wish to enter the Chinese market now and avoid animal testing in the approval process is to find a toll manufacturer to manufacture their cosmetic products locally in China.

Take the ACS’s monthly Chemistry Quiz at http://www.acs.org/content/acs/en/features/january-chemistry-quiz-results.html. Just substitute the correct month name for “january”.

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The Long Island SCC Proudly Presents:

Our Annual Ski Trip…

Date:     Friday, February 7, 2014
Place:    Windham Mountain
Cost:    $84.00 per person (Includes: All Mountain Lift Ticket and Round Trip Bus Ride)
          Final Payment is Due January 31st.
Departing: The Estee Lauder R&D Parking Lot @ 5:30 AM. Sharp!! Will return ~9:00pm Don’t Delay…We Only Have Room For 52 People And It’s First Come, First Served!!! Bring your friends - this is a fun trip for all!!

Ski Trip Registration Form: **PLEASE COMPLETE ONE FORM FOR EACH PERSON ATTENDING AND SEND WITH PAYMENT!!!** Make checks payable to LISCC.

Last Name:    First Name:
Address:
Home Phone:
Cell Phone:
Email:
We Need Your Address And Phone Numbers In The Event Of Trip Cancellation And Refunding.

Check Below What Each Person Requires:

Full Mountain Ticket and Round Trip Bus Ride ($84.00) ________
Beginner Lift Ticket, lesson, Snowboard Rental ($118.00) ________
Beginner Lift Ticket, lesson, Ski Rental ($118.00) ________
Bus Transportation Only (No Lift Ticket) ($49.00) ________

Additional Requirements: Rentals Are Extra And Provided By Windham Mtn.
Snow Board ($30.00) ________
Skis ($30.00) ________

Make checks payable to: **LISCC**. Send Payment to: Ina Schlenoff Estee Lauder 125 Pinelawn Rd. Melville, NY 11747 631-531-1244

Remember - You don’t have to be an SCC member to join in on the fun.

Think Cold and Snow!!!
CHAPTER MEETING
January 16th, 2014

SKI TRIP
February 7th, 2014

CHAPTER MEETING
March 20th, 2014

CHAPTER MEETING
May 22nd, 2014

ANNUAL PICNIC
Summer, 2014

ANNUAL FISHING TRIP
Summer, 2014

GOLF OUTING
September 9th, 2014

EDUCATIONAL SEMINAR
October, 2014

CHAPTER MEETING
November 20th, 2014

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January 22nd, 2015
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EMPLOYMENT

Technical Sales Rep: Independent Chemical
Senior Chemist 1: Estee Lauder
Manager of Regulatory/Quality Compliance: Sombra Cosmetics

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The US Society of Cosmetic Chemists hosts the 29th IFSCC Congress
October 23-26, 2016
Walt Disney World Dolphin Resort
Lake Buena Vista, Florida
Beyond Dreams into New Frontiers: Inspire, Imagine, Innovate