

COSMEGRAM

March 2024 • Vol 54 | Issue 3

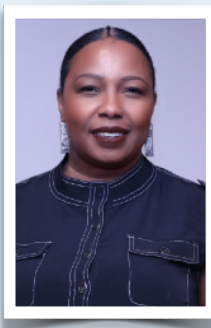


MONTHLY MEETING - MARCH 2024

NURTURING AGENCY IN A TIME OF CONSTRUCTED BEAUTY

Speaker: Dr. Leyte Winfield

The Cosmetic Science Program at Spelman College is committed to cultivating a culturally informed comprehension of the scientific principles underpinning beauty and cosmetics. Our primary goals encompass: 1) Cultivating an inclusive approach to the science of beauty; 2) Pushing the boundaries of research in ethnic hair and skin care products; and 3) Opening pathways to careers in research and development within the beauty industry. Central to our program is examining Greek and African perspectives that inform ethnic beauty standards, providing individuals with the tools to critically examine the influence of these perspectives on contemporary beauty practices. The curriculum offers a safe environment for learners and students to explore intricate issues surrounding beauty in the African American community, fostering an expanded understanding of contemporary standards and trends. This presentation will provide a glimpse into three courses: the "Psychology of Beauty" (taught by Angela Farris Watkins for both eSpelman and traditional Spelman undergraduate), "Make-up for Film and Theater" (taught by Michelle Gaines for eSpelman students only), and "Fat Transfer in the Age of Constructing Beauty," (taught by Leyte Winfield for Spelman undergraduates only), each provides a platform for exploring these topics. Sample modules and activities from the course will be discussed.



Leyte L. Winfield is a Professor of Chemistry and Biochemistry at Spelman College, where she serves as Division Chair for the Division of Natural Sciences and Mathematics. She received a B.S. degree in Chemistry from Dillard University and a Ph.D. in Organic Chemistry from the University of New Orleans. She completed a postdoc in Medical Chemistry from Florida A&M University and received an Academic Leadership PostGraduate Certificate from the Chicago School for Clinical Psychology.

In addition to her primary duties at the College, Dr. Winfield also chairs the internal steering committee for the newly established Center of Excellence for Women of Color in STEM. Funded by the Department of Defense, the Center builds upon Spelman's legacy for preparing women of African descent to excel in STEM careers. The Center's focus complements her dedication to gender equity in STEM careers and creating culturally responsive initiatives and curricula that result in the productive engagement of minorities and women in various academic settings. In line with this, she is leading NSF-funded research to characterize how students of color demonstrate agency in pursuing STEM careers and the ecosystems that nurture such agency. For these collaborative efforts and other research and leadership initiatives, she has received more than \$20 million.

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MESSAGE FROM THE CHAIR



Hello CaliSCC,

Our chapter has started off 2024 with great momentum and some exciting initiatives so far, and it's hard to believe it's only March! We've had a wealth of volunteers come forward to get involved with the board; we've seen membership renewals start to tick up as monthly meetings drive member attendance; and finally, we've seen our NextGen and Educational initiatives continue to build on the progress we've made in the past year.

The February meeting at the Westdrift in Manhattan Beach was a lively and well-attended event, and we'd like to thank Symrise for not only sponsoring the meeting but also for bringing their Global Category Director for Hair, Marcia de Paula, to deliver a wonderful talk on the particularities of developing product solutions for mixed and ethnic hair types.

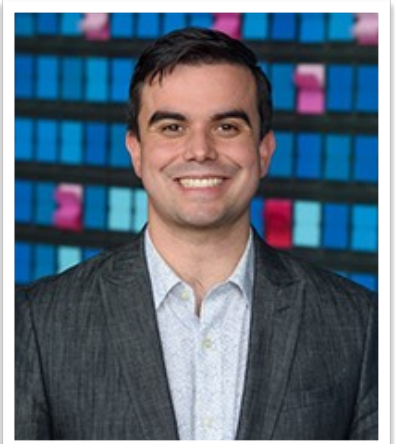
For March, we're quite excited to welcome Dr. Leyte Winfield, Professor of Chemistry and Biochemistry at Spelman College, who will be presenting a glimpse into three of her courses which all touch on the scientific principles underpinning beauty and cosmetics from a culturally informed lens. We hope to see you all at the Avenue of the Arts on March 26th for this enriching talk.

We've officially locked in our venue for the Bay Area "Supplier Speed Dating" meeting, which will be held on April 23rd, 2024 at [Bloc15](#) in Oakland! This venue will create an incredible atmosphere for the second iteration of this new CASCC event, and more info will be coming out shortly via email on how to register for table slots as a supplier.

Lastly, our preparations for the Dinner Dance are in full swing. Sponsorships are available and going quickly, and table reservations have opened as well. Please reach out to dinnerdance@caliscc.org if you have any questions on any of those details.

I hope this letter finds you well, and thank you for being a follower of the latest happenings in the California SCC Chapter!

Best Regards,
Mason Montgomery
Chair, 2024 CASCC



Mason Montgomery

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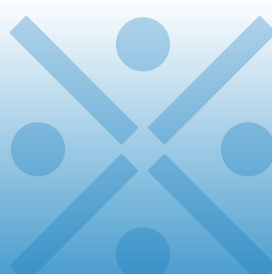
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UPCOMING EVENTS

2024

1/31/24

UNIVERSAL SHERATON

Universal City, CA

WESTDRIFT MANHATTAN BEACH

Manhattan Beach, CA

2/20/24

3/26/24

AVENUE OF THE ARTS

Costa Mesa, CA

SPEED DATING

Bloc15, Oakland, CA

4/23/24

5/21/24

DUKE'S

Malibu, CA

DINNER DANCE

JW Marriott Los Angeles

6/8/24

August

SUMMER EVENT

TBD

AVENUE OF THE ARTS

Costa Mesa, CA

9/24/24

10/29/24

SCIENTIFIC SEMINAR, UNIVERSAL SHERATON

Universal City, CA

GOLF OUTING

Anaheim Hills Golf Course, Anaheim, CA

11/11/24

11/19/24

WESTDRIFT MANHATTAN BEACH

Manhattan Beach, CA

SCC NATIONAL MEETING IN LA

With After Party / Gala hosted by CASCC

12/11-12/13

Cirque du CalISCC

2024 Dinner Dance

08
JUNE 2024

JW MARRIOTT L.A. LIVE

900 W. OLYMPIC BLVD., LOS ANGELES, CA 90015

6PM
til **11:00PM**

PRE-SALE RATES THRU MAY 15, 2024

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\$2,000 PER TABLE
(10 SEATS)

\$250 SINGLE TICKET
AFTER 5.15.24*

VISIT [CALISCC.ORG/DINNER_DANCE](https://caliscc.org/dinner_dance) FOR MORE INFO:
SPONSORSHIP, REGISTRATION, WINE & DRINK TICKET ORDERS & HOTEL ROOM BLOCK

QUESTIONS?

* REGISTRATION RATES SUBJECT TO AVAILABILITY

Diane Horne (dhorne@lipotrue.com)
dinnerdance@caliscc.org



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THE CASCC x SCIFTS GOLF TOURNAMENT MAKES ITS RETURN
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Questions? Contact your 2024 Sports Chairs:



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Southern California
Institute of Food Technologists Section

Holly Swartz
CJ Food & Nutrition Tech
holly.swartz@cj.net

DATE SAVE THE DATE SAVE THE DATE SAVE

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2023 CASCC Best Speaker Award Dennis Zlotnik

Beyond Suds & Bubbles: Exploration of Surfactants



General Manger - Biorenuva



Orange County, CA September 2023

Dennis' presentation explored chemical structure and fundamental functions, including cleansing, micelle formation, emulsion stabilization, and foaming.

This lecture offered valuable insights into optimizing surfactants for successful personal care product development and addressed the increasing importance of sustainable surfactant options to align with environmentally conscious consumer preferences.



2023 CASCC Chapter Merit Award Diane Horne

SCC's Chapter Merit Award is presented by a Chapter for exceptional service and dedication to the Chapter by a Chapter member.



West Coast Key Account Manager, LipoTrue

2024
Dinner Dance Chair

2023
Treasurer

2022
Treasurer Elect

'15-'20
Chapter Photographer

Diane has been a member of CASCC since 2009 and has actively held various roles within the organization. Diane's Board involvement began in 2015 as the chapter photographer, capturing numerous significant moments within the SCC. Diane consistently offers her assistance in any capacity, excelling in all tasks undertaken. Thank you, Diane!

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Offered in collaboration with the UCR chemistry department and endorsed by the California Society of Cosmetic Chemistry, this program helps you develop the skills you need to launch or advance your career as a Cosmetic Scientist and make your mark on today's world of beauty. Through hands-on lab work, you will explore the full realm of cosmetic science with an overview of industry infrastructure and regulations, ingredient names and origins, and raw material categories. Learn about the essential cosmetic chemist's toolkit for skin and hair development, and how products are tested. Jump into product development and discover the fundamentals of emulsion and surfactant technologies with strategies to ensure a marketable product. Finish by creating your very own product and building out the testing requirements for marketing claims, outlining a path to full-scale development, and generating an original prototype.

WHAT YOU'LL LEARN

How to formulate from a science-first approach

Ways to independently move from project conception to final formulation

Methods to understand the global cosmetic regulation landscape

How to improve trouble-shooting and critical thinking skills



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BENEFITS OF EARNING A CERTIFICATE

There are several reasons why, Bachelor's degree in hand, you might be considering continuing your studies. An upgraded education section on your resume can open the door to a new career, or, if you're already working, lead to a promotion and a higher salary. While you're working, going back to school is an excellent way to stay current in rapidly changing fields, or, if you've been away from the workforce for a while, to quickly get caught up in the latest trends, concepts, and advances.

While there are as many paths to follow, as there are reasons to follow them when approaching continuing education, there is enormous value in terms of time, financial investment, and personal flexibility while gaining practical training from working professionals in your industry that extends beyond the theory of the classroom and into the real world.

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- Oral Expression & Comprehension
- Problem Solving



REALITY CHECK. WHAT YOU WILL DO ON THE JOB.

- Develop new or advanced products or production methods.
- Analyze chemical compounds or substances.
- Establish standards for products, processes, or procedures.
- Maintain laboratory or technical equipment.
- Prepare compounds or solutions for products or testing.

Professional Certificate in Cosmetic Chemistry



STUDY PLAN

Courses must be completed in the sequence below. Application and official transcripts required for program entry.

Prerequisites: At least two years of postsecondary chemistry or biology coursework, a foundational understanding of chemistry, and a background in science.

Required Courses		
QUARTER		UNITS
1	Introduction to Cosmetic Science (CHEM X440)	2
2	Skin and Hair Biology (CHEM X441)	4
3	Emulsion and Surfactant Technology (CHEM X442)	4
4	Product Development with an Independent Project (CHEM X443)	3

ARE YOU READY FOR YOUR NEXT STEP?

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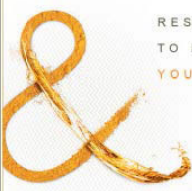
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SKIN BARRIER PROTECTION THROUGH THE DECADES



As the largest organ in the human body, the skin is exposed to many aggressors every minute of every day. The daily onslaught of damaging factors slowly compromise the topical layer of skin cells, eventually leading to many problems, such as dryness and inflammation. This can become a chronic condition. Historically, humans have been using oils from animals and plants to soothe and heal the skin. The concept of skin barrier was not a known fact until the 1980s. The most effective products historically, were Petroleum based ingredients that formed a layer of fat, preventing the water from evaporating. However, these types of concoctions were not elegant, nor did they solve other skin issues like on-going inflammation.

In the mid 1980s, it was discovered by several researchers that the skin cells are “glued” together by Sphingolipids. Later research also confirmed that there are different types of Sphingolipids, called Ceramides. Studies showed that by the time a person reaches the age of 30, a loss of almost 40% of the skin’s naturally occurring Ceramides happens. This fact increases with age. In our 40s, we naturally lose about 60% of this skin protecting molecule. It was also discovered that Ceramides are crucial in maintaining healthy levels of water in the skin. In our over sanitized and clean environments, Ceramides are lost by over washing and over exfoliating of the skin, leading to chronic skin sensitivity and conditions such as Eczema.

Ceramides are actually part of about 9 other lipids that act to protect the skin structure. All together they form a lipid Bi-Layer that acts to protect and seal in moisture to the outermost layers of the skin. Ceramides in combination with fatty acids, amino acids, oils, and Cholesterol cement cells together preventing moisture loss, bacterial infections and allergic reactions.

Many of the skin treatments recommended over the years were not ideal for maintaining a great barrier function. For example, Alpha hydroxy acids, designed to simulate a slight skin burning and increase cell turn-over, robs the skin of the essential Sphingolipids needed to maintain good barrier function. Soaps and toners are also detrimental to a good barrier. Active ingredients like Salicylic Acid and Benzoyl peroxide act to dissolve the lipid Bi-layer, resulting in flaky itchy skin. This may also result in skin inflammation.

Lately, Ceramides have been studied in scalp care, part of the Skinification of hair. Not only do they help with scalp hydration and reduction of flakes, the ingredient help improve natural shine, and prevent fly aways and frizz.

When we formulate products with sphingolipids, it is beneficial to include several types of the 9 Ceramides. Ceramide 1 was first discovered in 1982 and is composed of Linoleic Acid, a significant fatty acid that plays a major role in skin barrier function. This Ceramide composes about 6.5% of the total lipids in the Stratum Corneum. The INCI name designation for this molecule is Ceramide EOS. E is for the ester structure of the oil, O is the Omega acid component and S is for Sphingosine base. Together with Ceramides 1,4, and 7, which help with the storage of Linoleic Acid, Ceramide 1 forms the lipid Bilayer to cement together the skin cells. This Ceramide is typically found in many skin hydrating compositions.



SKIN BARRIER PROTECTION THROUGH THE DECADES



Ceramide 3, Also known as Ceramide NP, composes about 22% of the Sphingolipid layer. It also contains Stearic Acid. This ingredient works with Ceramide 1 to seal the skin and prevent harmful environmental pollutants and irritants.

Ceramide AP, is known as Ceramide 6 and it accounts for about 8.8% of the skin barrier.

Other Ceramides commonly found in skincare are Ceramide EOP, Ceramide 6-II

Sphingolipids and ceramide are currently making a come back into skincare products and hair. After years of harshly exfoliating with damaging AHAs and detergents, there is a renewed focus on the skin barrier, mostly prompted by research into the microbiome. There are also new studies that show that Ceramides are crucial in cell signaling to prompt the body to manufacture depleted barrier lipids. Additionally, they are being studied in obesity and diabetes and heart disease and possible future treatments for these conditions.

ISN'T SCIENCE AMAZING?!



Erica Herrel



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**Innovation
through
formulation**

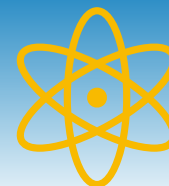
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REGULATORY UPDATES



USA

FDA

- The FDA published guidance: “Cannabis and Cannabis-Derived Compounds: Quality Considerations for Clinical Research” for companies that want to develop cannabis and cannabis ingredients for drugs clinical research.
- The consultation period has been reopened for increase to color additive recertification fees.
- Warning Letter: To a hand sanitizer manufacturer because they were still manufacturing hand sanitizers under the temporary monograph for the pandemic, which has been repealed.

New York

- Bill (S8291A/A8630A) Bans mercury in cosmetics and personal care products-goes into effect on June 1, 2023.

California

- California Air Resources Board (CARB)-New guidance document for compressed gas propellants and liquified propellant innovative product exemptions.
- Assembly Bill 496 proposed 26 new chemicals to be added to be Toxic-Free Cosmetics Act-If passed, these chemicals will be banned in cosmetic products in the state of California.

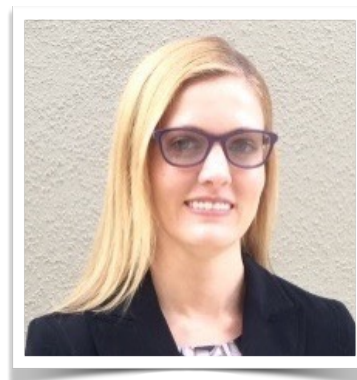
INTERNATIONAL

Canada

- New substances have been added to the Canadian Environmental Protection Act (CEPA): “sulfonic acids, branched alkane hydroxy and branched alkene, sodium salts, Confidential Substance Identity Number 18520-7”.
- Canada Cosmetic Regulations,:New proposed updates to cosmetic labelling for fragrance allergens, cosmetic notification changes, changes to regulatory oversight- Comment period open till April 22, 2023.

EU

- ECHA has added 9 new chemicals to the candidate list of Substances of Very High Concern (SVHC): 1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene], 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol, 4,4'-sulphonyldiphenol, Barium diboron tetraoxide, Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof, Isobutyl 4-hydroxybenzoate, Melamine, Perfluoroheptanoic acid and its salts, reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine.



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The Quickest and Easiest Way to Renew is Online!

To pay online go to www.sconline.org/sign-in and login using the username and password you set up. If you have not set up your username and password on our new database please go to www.sconline.org/join and create your own.

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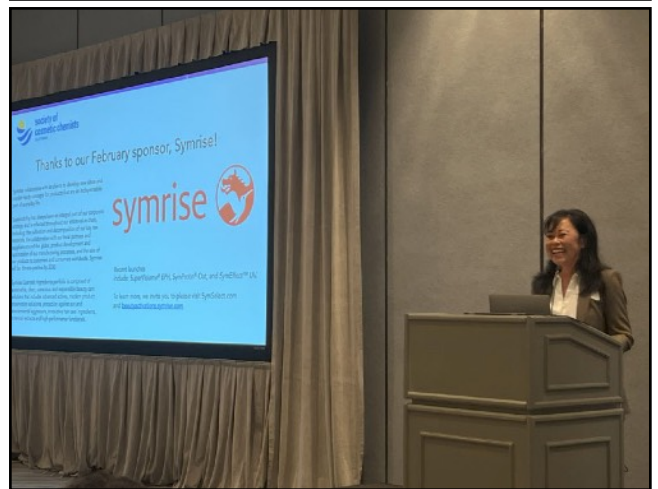
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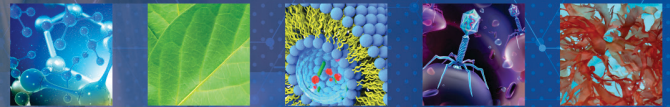


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We Value What Makes Each of Us Different

As a professional association in the cosmetics and personal care industry, the Society of Cosmetic Chemists (SCC) represents nearly 6,000 members globally. **Diversity, equity and inclusion are at the core of who we are as an organization.**

We are committed to advancing, cultivating, and preserving a culture of diversity, inclusion and belonging because a successful community of industry professionals working together to promote science, innovation, and education is our mission.

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The Society of Cosmetic Chemists pledges to:

- Stand against racism, intolerance, and discrimination.
- Speak up and address bias wherever we see it, whether conscious or unconscious.
- Foster open, candid, and constructive dialogue.
- Prioritize diversity, equity and inclusion as a primary and essential business function.
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With 2024 starting strong, we have conducted events with the 2024 Los Angeles County Academic Decathlon, as well as the Los Angeles County Women's Leadership Conference to assist in exposing the industry to not only students, but parents who can help guide their students towards this path if desired. Initiatives for career fairs and isolated events will still continue throughout 2024 for the best year yet!

Thank you to all sponsors for allowing NextGen to provide raw materials for demos, and products to students to excel these events.



Nasrat Hamid

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BY-LAWS

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ELECTIONS

Brittney Strickland
brittney.strickland@croda.com

PHOTOGRAPHER

Nathan Martinez
nathanmartinez88@gmail.com

SPONSORSHIP

Yi Hsin Chang
ychang@ingsolutions.com

COSMEGRAM CHAIR

Jennifer Lee Curtis
jennifer.curtis@lubrizol.com

EMPLOYMENT

Heather Naef-Owen
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PUBLIC RELATIONS

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suppliersday@caliscc.org

COSMEGRAM BUSINESS MANAGER

Brian Kolevar
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REGISTRATION CHAIR

Joel St. John
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WEBSITE

Bruce Salgado
bsalgado.scc@gmail.com

DINNER DANCE

Diane Horne
moody.diane@gmail.com

HOSPITALITY

Amanda Lam
amanda.lam@azelis.com

REGISTRATION CO-CHAIR

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REGULATORY AFFAIRS

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Erin Breve
ebreve@barnetproducts.com

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Jennifer Lee Curtis - Editor
(p) (310) 944-4380
jennifer.curtis@lubrizol.com

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