

# COSMEGRAM

January 2024 • Vol 54 | Issue 1



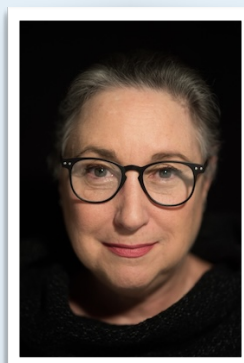
## MONTHLY MEETING - JANUARY 2024

### UNVEILING THE HALLMARKS OF AGING | IMPLICATIONS FOR THE FUTURE OF SKINCARE

Speaker: *Rebecca Gadberry*

As we celebrate the coming year, join us for an enlightening and inspiring lecture by renowned cosmetic scientist, educator and product developer, Rebecca Gadberry, as she delves into the groundbreaking 2023 and 2022 papers on the Hallmarks of Aging and their profound relevance to the future of skincare. By delineating these hallmarks, aging is viewed not simply as the result of random wear and tear, but rather a regulated and interconnected group of events driven by key biological mechanisms. This change in perspective has resulted in a paradigm shift that allows researchers to move beyond viewing aging as an inevitable consequence of the passage of time and instead recognize it as a complex and modifiable biological phenomenon.

This lecture, tailored for members of the Society of Cosmetic Chemists, will provide a comprehensive overview of the key hallmarks of aging and their specific implications for skin cells. You will gain a deeper understanding of how these hallmarks dictate the aging processes of the skin and discover the potential for "slow aging" and "pro longevity" approaches in cosmetic formulations.



*Rebecca Gadberry, LE, FSCC*

*Senior Instructor & Program Director, Cosmetic Sciences, UCLA Extension*

*Director, Product Development & Education, YG Labs*

*Co-Host, Facially Conscious | the podcast that gives you the skinny on all things skin*

BIO - Receiving seven awards naming her a legend in the beauty industry, Rebecca Gadberry is a true skincare legend and preeminent ingredient authority. At the forefront of many of the industry's most popular trends (aloe vera, AHAs, barrier repair, microbiome, antioxidants, pollution protection, free-from lists, blue light protection, peptides, epigenetics, etc) as well as one of the original cosmetic science communicators and 'myth-busters', Rebecca has received numerous awards for her work as an educator, journalist, skin researcher, and product developer and has influenced dozens of skincare brands and ingredient trends for 50 years. She might even be called 'the original skincare influencer'.

Rebecca's profound impact on the field of skincare is evident in her extensive list of accomplishments. She holds the distinction of being named the first Marketing Fellow of the Society of Cosmetic Chemists (FSCC), is the 13th licensed esthetician in California, and has been the senior instructor and program director for UCLA Extension's highly acclaimed cosmetic science program since 1986. Over the span of her career, she has played a pivotal role in transforming skincare from a luxury reserved for the affluent to being an essential aspect of self-care for individuals of all backgrounds.

Register Now



January 31, 2024  
5:00 PM to 8:30 PM



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# MESSAGE FROM THE CHAIR



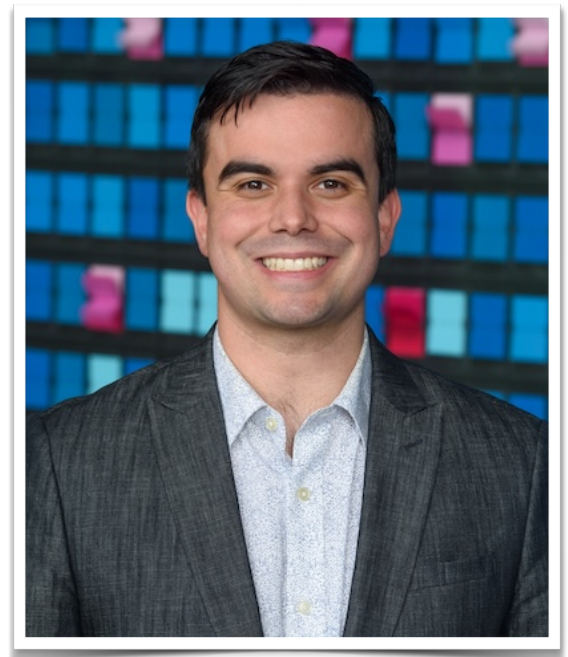
Hello California Society of Cosmetic Chemists, and Happy New Year! Before looking forward into 2024, I'd like to first thank Michelle Carrillo for her leadership in 2023 in what was an incredible year for the CASCC. We officially kicked off a Cosmetic Science Certificate course with UC Riverside, had a massively successful Suppliers' Day, held our first supplier "Speed Dating" event in the Bay Area, and have great momentum moving into our next board term.

My vision for the CASCC in the coming year is one of focus on the long-term health of the chapter, namely: 1) expanding a healthy membership and volunteer board via new initiatives, 2) investing further in the sustained financial health of the organization, and 3) continuing to bolster our commitment to our educational mission through increased scholarship funds and mentorship.

While 2023 will likely be remembered as the year where things largely returned to "normal" post-pandemic, I'm eager for our chapter to seize 2024 as an opportunity to move from the normal to the exceptional. As the second largest chapter in the SCC, we have the distinct position of financial strength, vibrant membership, and geographical proximity to leading edge of industry trends which collectively give CASCC an energy and potential that I believe is unmatched by any of our peer chapters.

I'm honored to lead the chapter in this coming year, and am greatly looking forward to what we'll be able to accomplish together as we move through a calendar full of exciting events and initiatives. I hope to see you all at our first meeting of the year on Wednesday, January 31st at the Universal Sheraton – until then, take care!

Best Regards,  
Mason Montgomery  
Chair, 2024 CASCC



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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**

Bay Area, CA

April

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**

TBD

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

**SAVE THE DATE**

**DINNER  
DANCE**

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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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# Professional Certificate in Cosmetic Chemistry



## 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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### STRONG EARNING POTENTIAL

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### VARIETY OF JOBS TO CHOOSE FROM

- Chemical Lab Scientist
- Chemist
- Product Development Chemist
- QC Chemist
- R&D Chemist
- Scientist



### SKILLS FOR SUCCESS

- Deductive & Inductive Reasoning
- 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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# THE HISTORY OF MANUFACTURING



## THE RISE OF MACHINES



As we start the new year, I thought it would be interesting to write about a subject we often overlook, mass manufacturing. It may be surprising to realize that the process of producing large quantities of products did not even begin until the early 1900s. The food industry for example, did not exist. Most customers used to purchase provisions from a local grocer. Women would have to wake up at the crack of dawn and begin baking the daily bread. The whole idea of having a quick breakfast did not exist. And as far as cosmetics, women used to purchase ointments and tonics from either the local pharmacist or the occasional “Snake oil” salesman that used to pull into town in his horse and buggy promising eternal youth and hair growth products.

We can't even discuss mass manufacturing until the dawn of the modern age and the invention of electricity. Prior to this period most of the products were hand filled and mixed by a massive amount of people (AKA sweat shops). The creation of the electric motor in the 1900-1930's, allowed for increased output of products. This invention not only allowed for the manufacturing of bulk, but also packaging materials. Can you imagine having to blow thousands of glass containers one at a time? The automated process of glass blowing produced hundreds of containers a day and electric furnaces allowed for the replacement of dozens of day laborers. Henry Ford was the first entrepreneur to really invest in mass production. Due to his invention of the car, goods were now able to be transported to many locations around the country. This allowed for the creation of mass brands like P&G.

The whole idea of “lean” manufacturing was first introduced in Japan in the 1930s, where a corporation is able to reduce the paid workforce and replace them with machines contributing to large amounts of savings. Also, the goods that were produced by the machines could be made much faster and with less errors or defects.

To keep our focus on the blending of cosmetics, we would be remiss if we did not give credit to the inventor of the electric mixer. In 1908, Herbert Johnston, an engineer for the Hobart Manufacturing Company was watching a baker mixing bread dough with a metal spoon. That's where he got the inspiration to invent the first Kitchen Aid Food preparer. This invention allowed for the creation of many other mixing techniques, such as Planetary and high sheer and even today's homogenizers. Manufacturing equipment allowed for the creation of mega brands like Proctor and Gamble from Cincinnati, Ohio. Their most famous brand is Ivory soap, first created for the Union Army during the civil war (the soap the floats in water).

The first filling machine was invented by Stephen Rust. He patented the design for a gravity filling device, which allowed for the automation of the filling process, eliminating the need for manual pouring. The design is still being used today. This invention gave rise, after the invention of electricity, to the creation of Vacuum filling, followed by piston fillers. These were first used in the food industry to fill bottled products.

# THE HISTORY OF MANUFACTURING

## THE RISE OF MACHINES



This article will not be complete without the mention of Homogenization. The process was invented in 1899 by August Gaulin, in the production of Milk. The concept of particle size reduction was not new at the time. Prior to the invention of the Homogenizer, the most commonly used device was mortar and pestle. Today, size reduction and particle grinding are being used for many purposes. Reducing the size of an emulsion allows for greater stability as well as increasing viscosity, to grinding pigments and dyes for a smooth streak-free application.

The ability to mass produce products also created many challenges for manufacturers. In order to ship products to all corners of the globe, the product needs to be stable in different environments as well as be preserved for many months to several years.

Preservation seems to be a good topic for my next article...

Hope everyone had a great holiday season!!



Erica Herrel





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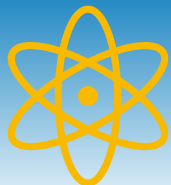


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# REGULATORY UPDATES



## USA

### FDA

- Delayed the enforcement of MoCRA Facility Registration and Product Listing Requirements to July 1, 2024. However, other requirements with a compliance date of Dec. 29, 2023, including recall, labelling, adverse/serious adverse event requirements still stand.
- Announced a potential ban on chemical relaxers container formaldehyde and/or formaldehyde releasors.
- FDA released final guidance on facility registration and product listing.
- FDA updated the instructions for submitting serious adverse events.
- FDA opened the Cosmetics Direct Registration Portal for MoCRA on 12/18/23.

### CPSC

- Requested info. from industry for PFAs.

### California

- Prop 65: Proposed new Ethylene Oxide NSRL Comment period till Jan. 10, 2024

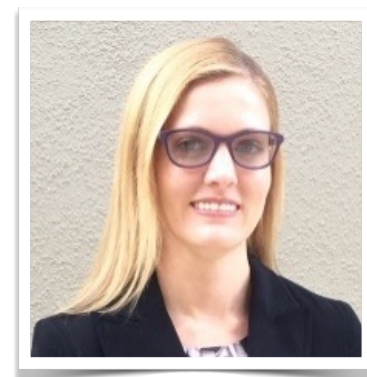
### Recall

- Shampoo – due to possible e.coli contamination

## INTERNATIONAL

### EU

- European Commission (EC) Regulation 2023/2055-New Microplastics regulation It will affect some forms of glitter and there will be a transitional period
- EU SCCS finalized their opinion on Silver Zinc Zeolite, indicating that they consider it safe in spray deodorant and power foundation when max. content of silver 2.5% and used at 1%



Ariana Farina



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# MEMBERSHIP DUES RENEWAL REMINDER

Hello fellow SCC members and friends,

Thank you to all our SCC Family that has renewed for 2024!!! Our goal is 1000+ members and we are well on our way. Please renew your membership today and encourage your co-workers. There are so many benefits to membership. The biggest reason is our community of beauty care professionals. Elevate your membership by attending events at discounts and network with industry greats. Our board is focused on our members and how to bring relevant and cutting-edge technology to California. Click below to renew and see you at the next meeting.!

## The Quickest and Easiest Way to Renew is Online!

To pay online go to [www.sconline.org/sign-in](http://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](http://www.sconline.org/join) and create your own.

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## BENEFITS OF MEMBERSHIP

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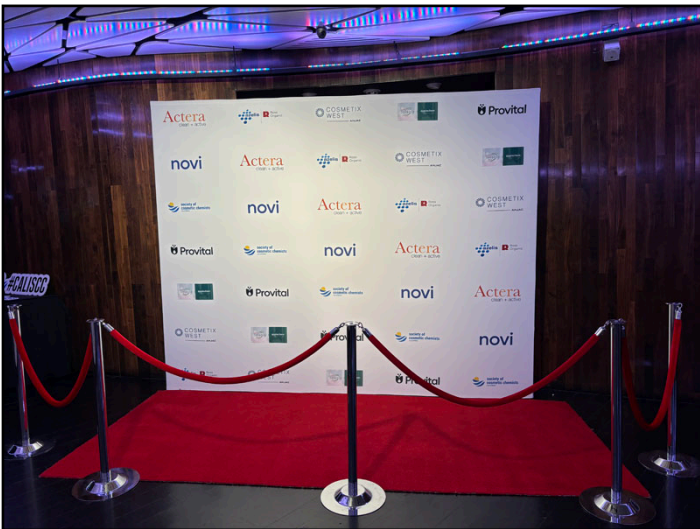
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# NOVEMBER MEETING

## END OF THE YEAR CASCC CELEBRATION

The EOY meeting at the Conga Room was a HUGE success!!! Thank you for everyone who came out to the event where Tik Tok famed scientist Ron Robinson spoke. He also gave all attendees a gift of Vit C cream he is famous for! We also want to thank our event sponsors, who without we wouldn't have been spoiled to such delicious food and drinks. The event was exceptional as our 2023 Chair Michelle Carrillo and her team were able to put together a year in review and also give out the awards for Merit Award – Congratulation Diana Horne!



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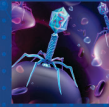
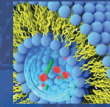
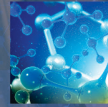
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We are committed to advancing, cultivating, and preserving a culture of diversity, inclusion and belonging because a successful community of industry professionals working together to promote science, innovation, and education is our mission.

We are strengthened by the varied identities, experiences, cultures, and perspectives of our leadership, employees and members. The Society of Cosmetic Chemists is committed to fostering a safe and welcoming environment where everyone is shown respect and dignity, and opportunities for engagement and participation are available regardless of age, appearance, ethnicity, gender identity, geographical location, national origin, professional level, race, religious beliefs, sexual orientation or socioeconomic status.

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.
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