



# Michigan SCC - News from the Mitten

SOCIETY OF COSMETIC CHEMISTS — MICHIGAN CHAPTER

Volume 8 Issue 4

Year End 2020

## ***A Message From 2020 Chapter Chair Rhonda Solberg***

What a challenging year 2020 has been! I remember on Friday, March 13, many companies closed their doors and sent employees home due to the COVID-19 pandemic. Who would think that we'd be working from home for over 9 months, we'd learn how to conduct virtual meetings using various software platforms such as Zoom, Microsoft® Teams, Go To Meeting™, Cisco WebEx, children would be receiving online classes in their PJs, the Olympics would be cancelled, 30 Atlantic tropical storms would be named, and Christmas photographs with Santa are taken wearing a mask.

Nonetheless, the cosmetic industry responded to the global health crisis by donating money, personal protective equipment, hygiene and self-care products, and much more. We are a resilient and caring community that will emerge stronger than before. Cosmetic science, education and innovation are critically important in this new era. The SCC MI Chapter was proud to bring you 4 virtual chapter meetings to deliver the latest research and innovations, safely.

**March 12:** Anna Gripp/Nicole Paraszczuk- *"Sunscreen Regulation Changes & Trends in 2020"* (and) Sue Sperring- *"Challenges in Formulating Effective Sunscreens"*

**May 14:** Dr. Robert Coots- *"Formulating Dioxane-Free Personal Care Products"*

**September 17:** Alison Griffin- *"Decoding the Crystal Ball - Color Trends: Where they come from and How they translate into Cosmetics Fashion/Home & Decor"*

**November 12:** Dr. Pete LeBaron- *"New Combinations of Silicones with Natural Ingredients"*

I've certainly missed seeing everyone in person but I'm happy we have continued to advance in our goal of education and excellence in cosmetic chemistry. I would like to give a huge thank you to all for your agility this past year as we faced a pandemic that changed our world. We made adjustments, we launched new virtual meetings, and we focused on our members. Team member diversity, uniqueness, and, ultimately, their talent enabled us to craft programming and events that have provided us with a global presence. I'm truly grateful to my fellow board and committee members who volunteer countless hours.

Stay tuned for our January 21 Chapter meeting which will include the new 2021 officer installation. We will welcome the 2021 Chair, Lane Duvel, and new officers who have been elected to serve:

Chair Elect – Rong Kong

Secretary – Rhonda Solberg

Treasurer – Tori Wing

In closing, let's mark the end of this truly memorable and unprecedented year. I leave you with this thought . . . although 2020 may have appeared to be a year of dismay and a year that "didn't happen," it slowed us down and brought us to appreciate what we have.

I wish everyone Happy Holidays and may 2021 bring hope, promise, and courage. *Rhonda Solberg*

Our 1st Meeting of 2021 will be Held via Teleconference on January 21  
Please register on our website: <https://www.sccmi.org/event-information>

**Our speaker for the meeting will be Catherine Johns who will make a presentation on how to make a better impression and be more effective in virtual meetings:**

*The shift to virtual work has created some challenges, hasn't it? Boring meetings on Zoom, dull presentations on Teams, and conversations that leave us wondering if we got our point across. That "Zoom fatigue" they talk about...it's real! Virtual meetings aren't going away any time soon. Discover how to make the most of them at our January meeting. You'll walk away with practical steps you can take the next time you sign into a meeting so you can feel more confident, connect with your audience, and have more impact.*

When it comes to connecting with a virtual audience, Catherine Johns has plenty to say.

In her first career on the radio, Catherine was doing virtual presentations before we had a name for them. As a news anchor, talk show host, and morning show side-chick, Catherine developed relationships with people she'd never meet in person. In fact, she still runs into one-time listeners who remind her of comment she made or a conversation they had ...in the '80s!

As much as Catherine loved radio (and she did) eventually it was time to transition. As a communication consultant and coach, she discovered that being in the room with an audience was even more satisfying than sitting in a studio, her voice coming out of the dashboard of their car. So much better, being able to create a two-way relationship live and in person. Things change, don't they? Now, we're all working on Zoom, Google Meet, or Teams. It can be a challenge, even for experienced speakers, to engage an audience, keep their attention and develop a connection.

Catherine draws on her broadcasting experience as she shows executives and entrepreneurs, speakers and leaders, how to connect with people they can't see ... command a room that isn't real ... and make a genuine impact with their virtual presentations.



## The Perfect Blend

Laurichem combines industry expertise with fine ingredients to the cosmetic and personal care industry.



175 East Delaware Place, Suite 8609  
Chicago, IL 60611  
P 312.335.1339  
[www.laurichem.com](http://www.laurichem.com)

# Michigan SCC Chapter News



## CONGRATULATIONS

Bethany Kaczanowski

Bethany has been promoted to Associate Research Scientist II —Formulation at Amway. She joined Amway in 2019 and has been working in Skin Care Product Development where she has contributed to several beauty projects.

## CONGRATULATIONS

Lauren Baer

Lauren has been promoted to Associate Research Scientist II —Research & Clinical Investigation at Amway. She joined Amway in 2019 and has been working in Nutrition Clinical Investigation group



*This year will long be remembered as a difficult year but good things also happened in 2020. We asked Michigan Chapter members to send us photos representing their favorite memories of the year. Here is what we received*



Beth Johnson with her family at Thanksgiving



Paige Engerer with her new daughter

Omya Consumer Goods  
omya.com

Worldwide experts of specialty personal care ingredients.

Leading global producer of functional minerals.

562-961-3333  
PersonalCareUS@omya.com

THINKING OF TOMORROW



Staying safe from COVID-19!

Our Chapter Chair with Oliver Blu

See more members' photos on pages 7 & 8

## Call for Volunteers!

SCC MI Chapter works because of our dedicated volunteers

Interested in getting involved? There are several levels of involvement. See what works for you. Volunteering is a great way to gain experience with leadership opportunities, make a personal impact on the organization, and build your network of professionals in the cosmetic industry.

## Volunteer Opportunities

### Program Committee Member

Ensure that all programs are set well in advance so that adequate notice can be given to the membership via the Chapter Newsletter as well as the Chapter Website, so the maximum attendance at meetings is secured.

### House Committee Member

Identify and secure a venue once the program committee finalizes dates and geographical locations. This committee works with the vendor on food and beverage selection. Audio/video and any other media is also reserved through this committee.

### Outreach Committee Member

Work with educational institutions and advance the mission of the Society by expanding the technical understanding of Cosmetic Science, by improving the qualifications and usefulness of Cosmetic Scientists through high standards of professional ethics and education, and by its meetings, publications and professional contacts.

### Authors

Write technical papers or articles for the SCC News from the Mitten newsletter.

***If you are interested in helping the chapter by volunteering for one of the many committees, please contact Lane Duvel at: [chair@sccmi.org](mailto:chair@sccmi.org) or Rong Kong at: [chair-elect@sccmi.org](mailto:chair-elect@sccmi.org). Thanks for being part of the SCC!***



High Performance  
Ingredients for  
Skin and Hair Care  
*Smooth, mild, natural and stable*

From product development to launch, our technical and marketing experts are here to help you meet the demands of consumers worldwide.

[www.charkit.com](http://www.charkit.com) | 203-299-3220 **Charkit** Chemical Company  
an LBB Specialties Company





PARADIGM SCIENCE INC



INNOVATIVE, GREEN,  
AND NATURAL INGREDIENTS

UNIQUE INGREDIENTS FOR  
THE CREATIVE CHEMIST

[www.paradigmscience.com](http://www.paradigmscience.com)  
[sales@paradigmscience.com](mailto:sales@paradigmscience.com)



**Your source  
for speciality  
chemicals  
worldwide**

RITA Corporation  
850 South Route 31  
Crystal Lake, IL 60014 USA  
T 815.337.2500 or  
toll free 1.800.426.7759  
F 815.337.2522  
[www.ritacorp.com](http://www.ritacorp.com)

## Delighting Conscious Consumers with Biodesigned Ingredients

By Beatriz Blanco, MS, MBA and Erin Kim, JD (Geltor)

Biotechnology is technology based on biology. Biotechnology utilizes cellular and biomolecular processes to develop technologies and products which, when applied consciously, can help improve lives and consumer products, while being kinder to the planet.

One of these biological processes is called fermentation. Fermentation is the breaking down of sugar molecules into simpler compounds by microorganisms to produce substances that can be used in making chemical energy. You're more familiar with microbial fermentation than you may think. It has been used for making bread, wine, cheese, soy sauce, and other foods and beverages for millennia. At tiny scales beyond what is visible to the naked eye, the yeasts ferment the sugars in dough, releasing CO<sub>2</sub> in the process. The CO<sub>2</sub> helps the bread to rise. As for wines and other liquors, yeasts are added to grape juice. The yeasts ferment the sugar in the juice into alcohol. Similarly, cheese is the product of bacteria fermenting milk or cream.

More recently, the Personal Care industry has also benefited from the use of fermentation. Ingredients traditionally extracted from animals such as hyaluronic acid, milk proteins and sugars, are now being produced in cleaner, biology-based processes such as fermentation.

Biology can be an even more powerful tool when it is combined with design.

Biodesign is the integration of design with biological systems in order to achieve aims like better functional performance or improved sustainability, in contrast to design that simply mimics nature or draws upon biology for inspiration. Biodesign incorporates life itself - cells, proteins, enzymes, and amino acids, for example - into the design as building blocks, material, sources, and energy generators, just to name a few possibilities. An outstanding recent example of biodesign is the production of human collagen *ex vivo*, without any human or animal inputs. For the first time, microorganisms can now make pure human collagen types via fermentation when they are provided with the collagen's amino acid sequence.

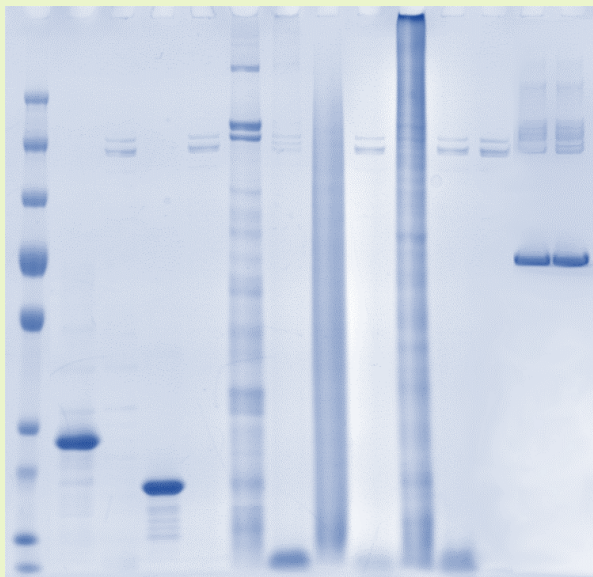
Collagen is a well-understood protein which acts as the primary structural component of connective tissues, such as skin and cartilage, in mammals and fish. It performs a key role in the formation of fibrillar and microfibrillar networks of the extracellular matrix, basement membranes, as well as other structures of the extracellular matrix. Therefore, collagen is essential for maintaining the youthful and supple appearance of human skin. Unfortunately for all of us, from the age of approximately 30 onwards the amount of collagen in our bodies naturally starts to decrease over time - even by as little as just 1 or 2% per year.

Traditionally, collagen has been extracted from animals such as fish and pigs. In addition to being derived from animals, this collagen is not bioidentical to human collagen and comes with an unpleasant odor. But thanks to the use of biodesign, it is now possible to produce vegan human collagen that is 100% animal-free and non-GMO certifiable. And since this collagen is identical to human collagen, it is readily bioavailable to our skin. This process is also much more environmentally friendly, because its animal-free production consumes less water, releases lower amounts of CO<sub>2</sub> to the atmosphere, and uses less land.

**Is It Really Collagen?** - Biodesigned ingredients, such as human collagen, can be substantiated as equivalent or superior to their animal-derived counterparts using several holistic methods:

**Biochemical Characterization** - As a comparison with animal-derived collagens, the collagen derived by fermentation was digested with collagenase (proteolytic enzyme that only digests collagen) and analyzed using SDS-PAGE.

1 2 3 4 5 6 7 8 9 10 11 12 13 14



Lane	Sample	Amount loaded (ug)	
1	MW Ladder	-	
2	sr-Hydrozoan Polypeptide-1, T= 0	2	
3	sr-Hydrozoan Polypeptide-1, T= 4 hrs	2	
4	sh-Polypeptide-121, T= 0	2	Biodesign Collagen
5	sh-Polypeptide-121, T= 4 hrs	2	
6	Competitor 2, T= 0	2	
7	Competitor 2, T= 4 hrs	2	
8	Competitor 5, T= 0	2	
9	Competitor 5, T= 4 hrs	2	
10	Competitor 8, T= 0	2	
11	Competitor 8, T= 4 hrs	2	
12	Collagenase	-	
13	BSA, T= 0	2	BSA = Bovine Serum Albumin
14	BSA, T= 4 hrs	2	

*Comparison of collagenase digestion of sh-polypeptide-121 to commercially available collagens and BSA*

**Key Physical Properties** - Like commercially available collagen hydrolysates, biodesigned collagens are highly soluble in water and are valued for water-holding properties. They also form aqueous gels, and are demonstrated to have Bloom values comparable to commercial gelatins.

**Functional Characteristics** - In human clinical trials, biodesigned human collagen outperformed animal derived collagens in areas including skin moisturization, reduction of lines and wrinkles, reduction of skin redness, stimulation of collagen production in the skin.

**Conclusion** - Human collagen is just one example of a biodesigned ingredient. Biodesign is allowing the Personal Care industry to address the key consumer needs for sustainability and animal-free ethics, without compromising on performance and efficacy. The conscious consumer can find delight and peace of mind in using sustainable and cruelty-free personal care products powered by biodesign.

The editor welcomes news items and short articles for publication in our newsletter. Please submit your information directly to Mike Starch at [mstarch@att.net](mailto:mstarch@att.net)



Caryn Weiss and her husband celebrating son Benji's graduation

**ACTIVES**  
INTERNATIONAL, L.L.C.

Born in Nature - Nurtured with Science

ViaPure® • ViaFerm®

High purity extracts & ferments  
Natural & sustainable

201-236-2828  
www.activesinternational.com



Yulia Park with her family

A leading supplier of unique specialty cosmetic ingredients to the cosmetic and personal care industry

**BARNET**  
Where Science Meets Fashion

Barnet Products | 201-346-4620  
www.barnetproducts.com



Tori Wing got married in Key West

**Ei** Essential  
INGREDIENTS.

Distributing ingredients from the finest manufacturers

770.831.9010  
www.essentialingredients.com



Aimee Herbel with her growing family

Innovative silicones for personal care

**SILTECH**

www.siltech.com  
sales@siltech.com



Karen Patin hosting a Zoom baking session

# CAREER OPPORTUNITIES

**DKSH North America** a distributor of specialty chemicals is seeking a Sales Manager for Personal Care in the Mid-West

## JOB SUMMARY

- Increase sales of personal care specialty ingredients in the Mid-West Region
- Establish, leverage and expand long-lasting relationships within R&D & Purchasing
- Cover the defined territory and frequently visit customers to grow sales in the Mid-West territory
- Timely reporting in CRM system and thorough follow up with customers and clients

## SKILLS REQUIRED

- ◆ Minimum 5 years sales experience in the Personal Care Industry
- ◆ University degree in chemistry, biology and/or business
- ◆ Prior distribution and / or household experience is a strong plus
- ◆ Entrepreneurial mindset, results driven, customer focused, strong business acumen with a positive can-do attitude
- ◆ Knowledge of MS Office tools and CRM systems
- ◆ Good internal and external communication, presentation skills
- ◆ Strong Mid-West network
- ◆ Basic knowledge of Incoterms and custom tariffs

Contact [danika.johnson@dksh.com](mailto:danika.johnson@dksh.com)



Lane Duvel and his wife enjoying time with their grandchildren



Bart Maxon with wife Debi



Debbie Pinardo with granddaughters ready for the first day of COVID school



Louise Schneider at Grand Haven



Alyssa Johncock welcomed a new baby daughter



Mike Starch and his wife enjoyed a trip to Aruba in January



Lu Bai with her son