



# Michigan SCC - News from the Mitten

SOCIETY OF COSMETIC CHEMISTS — MICHIGAN CHAPTER

Volume 1 Issue 4

November 2013



## Year-End Message from Chairman Bart

SCC members from Michigan registered with SCC National. I'm pleased to report that this membership has now increased to 65 members as of November, 2013.

The topic of our last meeting on November 13<sup>th</sup> was "Virtual Package Design and Considerations for the Beauty Care Industry" in collaboration with the Michigan State University School of Packaging. This was attended by 30+ people and has opened the door for additional involvement by MSU with the SCCMI

### SCC MICHIGAN CHAPTER OFFICERS

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We've had a fantastic 2013 for the SCC Michigan Chapter and have come a long way in our inaugural year and it's only because of our awesome group of volunteers who served on the SCC Michigan Board of Directors and Committees!

The goal of establishing this chapter was to increase the involvement of SCC Michigan members and to expand opportunities to participate in the SCC on an ongoing basis. We also wanted to showcase the technical expertise and quality of the people in our chapter and our Michigan based companies such as: Amway Corporation -a global leader in Beauty Care, Dow Corning Corporation, and Dow Chemical Company and we've done this in a variety of ways:

**SCCMI Membership:** prior to forming the SCCMI (at the end of 2012), there were 47

Our **Inaugural SCCMI Meeting** on January 23<sup>rd</sup> at Amway World Headquarters (Ada, MI) was a huge success and was *attended by ALMOST 90 people!*

On March 27<sup>th</sup> our **March Madness** meeting in Freeland, MI, was *attended by more than 50 people.*

In June, 22 of us attended a **family outing** to a game between the Great Lakes Loons and the West Michigan Whitecaps at Dow Diamond in Midland, MI.

Our **first ever full-day SCCMI educational seminar** on the "Molecular Biology of Skin" was held on September 11<sup>th</sup> at the Amway Grand Hotel (Grand Rapids, MI) and *attended by 87 people.* This event featured four excellent speakers and was preceded by a Social Reception on Tuesday, September 10<sup>th</sup>.

SCC Chapters are defined by the participation and energy of their members and you have been the best. We have a great group of leaders and I'm optimistic about the future and the continuing success and growth of the SCCMI. Planning has already started for 2014, but this time, we know what to expect....we know what is needed, and we know how to work together as a team.

I will always be honored to be the first Chair-person of the Society of Cosmetic Chemist- Michigan Chapter but as we transition into 2014 my advice for you is to always remember to "Think Big"! This will continue to be a great chapter for many years to come, but only if you continue to make this happen!

**Happy Holidays!**

If you haven't already, check out our page on Facebook: "Society of Cosmetic Chemists Michigan Chapter". Support our chapter by liking our page!

# Our chapter held our first educational seminar in September

Here is a brief review of the program:



**Nava Dayan**, a consultant specializing in skin science and research, opened the program with a talk on biological markers in skin care. Biological markers include enzymes, cytokines, and cell receptors. Dr. Dyan explained the difference between cosmetic and drug claims in skin care and how the FDA has established the “substantial evidence” standard for drug claims that involve changes in skin physiology or structure. She also discussed clinical endpoints and how they differ from biological endpoints. Changes in the skin associated with aging and stress were reviewed in detail and Dr. Dayan concluded her talk with a discussion of skin cultures and a brief mention about gene expression (genomics) and protein expression (proteomics).

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**Phillip Wertz** from the University of Iowa presented a lecture entitled: “Roles of Lipids in the Barrier Function of Skin and Oral Mucosa”. Dr. Wertz was unable to travel for the seminar and instead gave his presentation via teleconference. He reviewed the structure and composition of lipids that are present in the stratum corneum and how they differ from lipids found in the mouth. Ceramides are an important constituent of skin lipids and Dr. Wertz reviewed how the bilayer structures in the skin have been elucidated by various researchers over the past 30 years. The possible role of lipids in providing an antimicrobial barrier for the skin and the oral cavity was discussed and Dr. Wertz concluded his talk with some implications for understanding of skin conditions such as infections, psoriasis, atopic dermatitis.

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**Phil Geis**, a consultant in the area of cosmetic microbiology, had the unenviable task of giving his talk after the audience had enjoyed a delicious lunch. Nevertheless, Dr. Geis presented a very interesting talk that covered the history of microbiology starting with Leeuwenhoek, the father of microscopy, who first observed microorganisms with a crude microscope that he invented. Dr. Geis reviewed the technology of culturing bacteria and the development of culture media that allowed these microflora to be grown in the lab. He discussed the invention of the polymerase chain reaction (PCR) and how it has led to an explosion in our knowledge about the many varieties of microflora that exist on the skin. Dr. Geis concluded his talk with remarks about a new concept in biology, the microbiome, which refers to the ecological communities of microorganisms that inhabit our bodies.

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The last talk of the day was given **Di Qu** from Amway’s advanced imaging and measurement lab. Dr. Qu presented an extensive review of various in-vivo techniques for measuring biophysical and visual changes in the skin. These non-invasive test methods provide data on a wide variety of skin properties and can be used to substantiate product claims that are driven by market demands for efficacious products. Dr. Qu’s talk covered how various skin parameters such as moisture content, skin thickness, elasticity, and structural features including wrinkling and roughness can be measured objectively. He also discussed techniques for measuring various aspects of skin appearance such as pigmentation (e.g. dark spots), translucency, and radiance.

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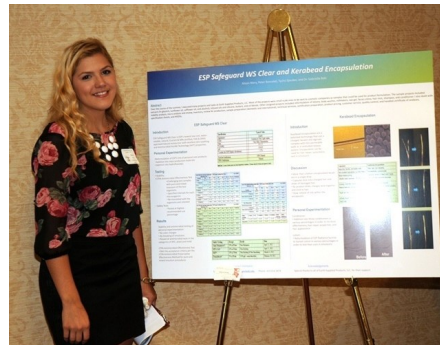
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The educational seminar also featured posters from students and vendors:



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The Michigan SCC Chapter wishes to thank our sponsors and the students from the University of Toledo who presented posters:

- ◆ Sarah Breen
- ◆ Hillary Phillis
- ◆ Audree Porter
- ◆ Alison Wery

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# Looking Ahead to 2014



SCC President Guy Padulo installing new officers at our November meeting



The program committee has set the dates and tentative locations for our meetings in 2014. For next year, our meetings have been moved to Thursday:

- ◇ Dinner meeting on March 6th in Grand Rapids. *Our speaker will be Dr. Jat Rana who will speak about botanical ingredients for skin-lightening applications*
- ◇ Dinner meeting on May 1st in Midland or Frankenmuth
- ◇ Two-day Scientific Symposium September 3-4 in Grand Rapids
- ◇ Dinner meeting on November 13 in Lansing

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Attention all Michigan SCC Members. Our chapter has been awarded a FREE one day SCC Course! We need to get our selection into SCC National in January. You will be receiving a Survey Monkey in the next week to vote on the course you would like the Chapter to host. Please fill out by January 3rd so we can have good direction for the final decision. Any questions or comments please contact Debbie Pinardo at [debbie.pinardo@amway.com](mailto:debbie.pinardo@amway.com). Thank you in advance for your help.

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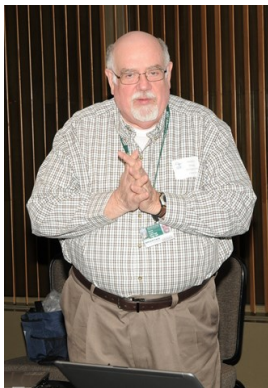
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## **Focus on Packaging:**

***Our November meeting featured speakers on the subject of packaging and package design***



**Dennis Young** from the University of Michigan School of Packaging reviewed forces in the emerging global market that are driving packaging innovation and provided several examples of the importance of innovative package design in consumer products. He also demonstrated several types of software that are used for virtual package design at MSU.



**Stephanie Pohl and Mark Mettler** from Amway gave a detailed review of a project to develop a line of new high-end cosmetic packages for the Artistry brand. The major decisions in the process, intermediate designs (models), and testing program were covered.

## **Regulatory Update: Changes in International Packaging Regulations:**

(Thanks to Haywood Ware for providing this information)

- Russia - Proposed regulation to require SPI recycle symbols on all packages
- European Union - New requirement to obtain information about cosmetic packaging materials. This includes impurities and trace components, whether any prohibited substances are used, and if any chemicals from the packaging are migrating into the products.
- Korea - There is a regulation that has a maximum number of layers of packaging materials. This has occasionally been problematic as our original packaging sometimes exceeds these limits, especially since cellophane counted as a layer. This year the regulation was changed to exempt cellophane from counting as a layer, which eases the compliance burden for industry.

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## Photos from the social night at Grand Rapids Brewing Company



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## More Photos from the social night at Grand Rapids Brewing Company



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