



Michigan SCC - News from the Mitten

SOCIETY OF COSMETIC CHEMISTS — MICHIGAN CHAPTER

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Please Join Us for Our May Meeting Webinar on Thursday May 13th from Noon - 1:00pm

The Michigan SCC Chapter will be hosting Pascal Yvon, PharmD, MBA, Head of Botanicals, Personal Care at Croda, on May 13th at 12 pm (EST), as he presents his talk, *"Navigating Buzzwords to Address Demand for Naturality."*

The presentation would like to foster discussion and clarification by presenting the main focus for each qualification as well as their extended interpretation.

Consumer demand for natural cosmetics has been continuously growing over recent years, with a great focus on truly natural products containing natural ingredients. Plants have been used in beauty and health for centuries around the world; ethnobotany revealed that plant properties are linked to their active molecules, a wide variety of secondary metabolites. These phytochemicals express a wide range of activities of high relevance and great interest in cosmetic applications such as antioxidant, anti-inflammatory, and antimicrobial.

The unprecedented situation created by COVID-19 generated a fulgurant acceleration in this consumer interest and request. Today, consumers want full naturality. It is not just about a product to address a fleeting trend; they want a series of attributes that address their long-term 360° lifestyle for wellness and holistic well-being goal. In addition to the lack of definition from regulatory bodies for "natural", thus for "Natural beauty", recent years have seen the emergence of many buzzwords used to describe industry market movements, such as "Clean beauty", "Green beauty", and more recently "Conscious beauty", which are being used with various interpretations. This creates a serious confusion in the marketplace and possible consumer misconceptions, so clarification is needed.



Navigating Buzzwords to Address Demand for Naturality

Pascal Yvon, PharmD,
MBA

Head of Botanicals,
Personal Care

Croda Inc.



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For our meeting in March (held via Zoom), **Dr. Anna Langerveld** from **Genemarkers** gave a presentation about the potential for cannabidiol (CBD) to affect skin functions such as protection and repair. CBD has become a very popular ingredient for topical formulations and is associated with claims such as anti-inflammation, protection against oxidation, wound-healing, and anti-aging.

This talk covered unpublished research done at Genemarkers to study the effect of CBD on gene expression in *in-vitro* skin cultures. Many different types of human skin cells contain endogenous cannabinoid receptors so it is reasonable to expect that exposure to CBD might cause changes in gene expression in skin cells. Gene expression was measured using quantitative polymerase chain reaction (qPCR) that assayed DNA production for 294 genes associated with a wide range of biological functions. A full spectrum CBD extract was dispersed in a simple vehicle (Transcutol) and applied to full-thickness skin equivalent tissues supplied by MatTek. The vehicle alone was used as a control treatment. Treatments were applied to the skin cultures and the treatment was followed by irradiation with UVA/UVB. The treatments (CBD or control) were repeated after irradiation.

The results were quite interesting. Irradiation with no treatment produced statistically significant changes in the expression of 123 genes. CBD treatment produced changes in gene expression for 87 of these genes. Specifically, genes associated with inflammation and immune response (25 genes) were up-regulated after irradiation. CBD treatment inhibited gene expression for 22 of these genes. These results provide support for some of the skin benefit claims for CBD and more work is planned by researchers at Genemarkers. For more information about this work, you can contact Alisha Morrison at amorrison@genemarkersllc.com

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From the Editor

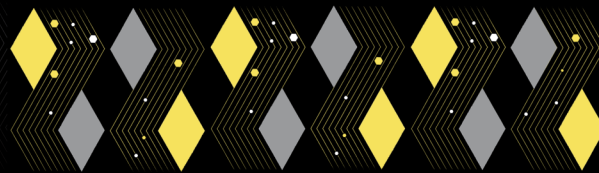
I am always looking for content for our next issue. Please help by sending information about upcoming events, member news, or other potential content

Contact me at:
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The SCC Committee on Scientific Affairs (COSA) is calling for abstract submissions for presentations at the annual scientific meeting, which will be held December 14-15 at the Sheraton New York Times Square hotel. Follow this link for more information:

<https://members.sconline.org/Call-for-Papers>

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**Michigan Chapter
Member News:**
Congratulations to Aimee Herbel on the arrival of Josette, her new daughter. Josette's big brother and dog brother are coming around to having her as part of the family.



A Reminder from the National SCC:

If you have not logged in to the Member Portal via the SCC website since July 14, 2020, you need to log in to activate new member benefits on the website. One of the new benefits is a member directory that features new search capabilities. In my consulting business I have long wished for a way to search for fellow SCC members and this is now available



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SEPT. 23 - SEPT. 25
DATES

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**PREDICTING THE FUTURE:
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Yulia Park Awarded Chapter Merit Award



Yulia is a founding member of the SCC Michigan Chapter that was incorporated in 2013. She has worked tirelessly since then as a volunteer for various chapter offices. Yulia is also active in the SCC at the national level. She was elected to be Area II Director and is currently serving as Secretary for the national organization. As Secretary, she is chair for the Admissions and Membership Affairs committees.

Yulia is Manager of Beauty and Durables Regulatory Affairs at Amway.

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Do You Know What an SCC Fellow Is?

The SCC has two types of Fellows for active members of long-standing (>10 years) who have achieved full maturity in their profession. There is a Technical Fellow (FSCC) and a Marketing Fellow (FMSCC). The requirements are different and the process begins by filling out a Fellowship Application, which will be considered by the Fellowship Certification Committee.

Find out more about requirements for becoming a Fellow by going to the SCC website: <https://www.sconline.org/become-fellow-member/>