



NORTHERN HIGHLIGHTS

The SCC Ontario Chapter's Newsletter



May 2021

Volume XCVIII

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ON-LINE SCC ONTARIO CHAPTER MEETING

**MAY 27th, 2021
4PM ET**

PRE-REGISTER FOR THIS VIRTUAL CHAPTER MEETING

As this particular event is "On-Line" simply click on the button below which will take you to our registration page. You will receive a calendar invite with the link to the meeting.

**Click Here
To Register**

ON-LINE SCC ONTARIO CHAPTER MEETING

MAY 27th, 2021
4PM ET

[Join live event](#)



LIVE On-Line

Upon registering you will be sent a calendar invitation that will connect you to the presentation

FREE for SCC Members
Free for Students

Abstract:

“Expanding the Rainbow’: Colors & Trends – Where they Come From and How they Influence Cosmetics, Fashion, Home & Décor”

Colors and color trends have been influencing our society for centuries. How many brands can you recognize just by color? (probably more than you think!)

These trends can be influenced by the economy, world events, music, celebrities and marketing companies. These colors will be explored and explained as to how they are chosen and influenced almost everything that surrounds us.

This presentation will review trends past and present, as well as how the home & décor trends are influenced in parallel to the fashion & cosmetics trends. A ‘sneak peek’ at the 2021-22 trends will be included, as well as anticipated changes in the marketplace in a ‘post-COVID’ world.

Bio:

Alison Griffin has over 25 years of experience in the Cosmetics / Personal Care industry. Starting her career in R&D, she has worked in both the finished good end (Avon Skin Care Lab) as well as in the supplier end. She has 20 years of experience in raw material sales, 10 of which have been for pigments companies.

She has been the recipient of Regional Sales Awards / Regional Marketing Innovation Award, two SCC Chapter Speaker Awards and the NYSCC Chapter Merit Award (where she was also Chair) She has a B.S. (Biology) from Gettysburg College and an M.A. (Cosmetic Science) from Fairleigh-Dickinson University.

ON-LINE SCC ONTARIO CHAPTER MEETING



JULY 14th, 2021
4PM

[Join live event](#)



LIVE On-Line

Upon registering you will be sent a calendar invitation that will connect you

FREE for SCC Members
Free for Students

Abstract:

“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.

Bio:

Noellie Astruc **Botanicals Business Development Specialist, Personal Care** Croda Inc.

Noellie Astruc has over 5 years of international experience in the cosmetics industry. She has worked for global corporations around the world, such as Beiersdorf and L’Oreal, as part of their research & innovation teams.

Noellie Astruc graduated with a Chemistry Engineering degree from CPE, Lyon, and a Business Development master’s degree from INSA Toulouse.

As a Business Development Specialist for the Midwest and Canada regions, Noellie supports clients in the beauty industry with natural solutions.



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2020 SCC ONTARIO MERIT AWARD RECIPIENT NAMED

The SCC Ontario Executive Board is pleased to announce that **Mr Shahin Kalantari** is the 2020 recipient of the SCC Ontario Chapter Merit Award! This honour is bestowed upon those that are recognised for their outstanding contributions as well as demonstrating exceptional commitment and involvement in the Chapter for many years. For the last 17 years we have had the pleasure of Shahin serving as a board member and he has held the elected position of Chapter Chair in 2015 as well as serving as our current 2021 Chair.



Shahin has been an SCC Ontario Chapter board member since 2008 and has always been more than generous with his time and never hesitates to lend a helping hand with Chapter activities.

As a Cosmetic Chemist, Shahin has worked in the development of cosmetic and personal care products for more than 30 years and has also served as a professor at Seneca College teaching formulation labs in the cosmetic chemistry program.

The SCC Ontario Chapter board members thank Shahin for his ongoing contributions and congratulates him on his merit award!



Seneca News & Updates

Seneca APPLIED RESEARCH

Seneca Centre for Innovation in Life Sciences (SCILS)

Cosmetic Sciences 2021 Workshop

Join us on March 11, 2021 for a free virtual workshop



The Seneca Centre for Innovation in Life

Sciences (SCILS) hosted a virtual workshop focused on Cosmetic Sciences on March 11, 2021. Seneca's Centre for Innovation in Life Sciences (SCILS) is supported by the Natural Sciences and Engineering Research Council of Canada (NSERC). The SCILS program has a dedicated focus on product development, enhancement and validation in Canada's cosmetic science sector with access to expertise from the students, faculty and infrastructure at Seneca.

Hosted by Seneca Innovation - Applied Research, the event highlighted a keynote address by Joe Schwarcz PhD., Director, McGill Office for Science and Society. Cosmetic sciences industry and sector leaders and innovators in Ontario also joined the event providing updates. We heard from Darren Praznik, President and CEO of Cosmetics Alliance Canada;

Mia Spiegelman, Executive Director Quality Assurance at Estee Lauder Canada; and Shahin Kalantari, Chair – Ontario Chapter of the Society of Cosmetics Chemists. The 'Innovator/Entrepreneur Spotlight' keynote was provided by Jessica Stevenson and Jayme Jenkins – Co-founders of EVERIST Inc. – a new Ontario clean-beauty company - sharing their innovation journey and collaboration with the SCILS program. The event also included an alumni panel from Seneca's Graduate Certificate Program of Cosmetic Science sharing their experience in Seneca's program, participation in applied research, and their current career placements.

Please visit the [SCILS website](#) to learn more about the SCILS program and how to collaborate with Seneca on new cosmetics formulations.



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Regulatory Meeting Recap



While our Regulatory Meeting in March is not technically an annual event it sure looks like it is becoming that way as the world of “regulations” becomes evermore unpredictable with the changing times. This year certainly highlighted that fact especially as we found ourselves 1 full year into Covid-19 where the need for a meeting covering sanitizers seemed particularly applicable.

Held on March 10th at 10am, of course the meeting was virtual but a lot was packed into just over 2 hours where we hosted 4 speakers covering related topics. The turnout was great as we had just over 100 register for the event with 75 attending. Thanks to those who attended!

Shahin Kalantari started the morning with his presentation “Hand Sanitizers, Hard Surface Sanitizers and related Health Canada Regulations”

DOWNLOAD

Sol Bobst PhD followed with “US Regulations for COVID -19 products, FIFRA and FDA Regulations”

DOWNLOAD

Next was **Dave Saucier** with “Canadian Federal Regulatory Update – what you need to know beyond COVID-19”

DOWNLOAD

Finally we ended the morning with **Matthew Bown** with a “Health Canada Regulatory Update”

DOWNLOAD

JOB SEARCH

Hain-Celestial Canada, a division of the US-based Hain Celestial Group, is a leading organic and natural products company with operations in North America, Europe and India. We provide consumers with superior food and personal care products for a healthier way of life. We are currently seeking a qualified individual to fill the role of **R&D Chemist (Contract)**.

PURPOSE

Manage new product development projects as assigned to achieve stated timelines.

ESSENTIAL DUTIES & RESPONSIBILITIES

- Execute laboratory trials; maintains confidential records.
- Prepare samples for stability testing, maintain log book for daily activities
- Calibrate and maintain lab equipment on daily basis
- Analyze experimental data and formulate conclusions
- Participate in, and contributes to, a team environment in which all members share information and support departmental priorities
- Develop strong working relationship with other department members
- Assist in the preparation of marketing samples
- Maintain accurate formula records and documentations

All employees are responsible to report safety and quality problems to personnel with authority to initiate action

COMPETENCIES

- The ability and interest to work in laboratory environment
- Knowledge of production capabilities and unit operations; ability to perceive and communicate technical opportunities
- Technical competence, with a good understanding of personal care chemistry and ingredient technology
- Good organizational and time management skills; ability to prioritize effectively, manage multiple projects simultaneously and work under pressure
- Demonstrated understanding of how to incorporate business needs into technical decisions
- Strong interpersonal skills; ability to work within the team and with other departments
- Strong communication skills; ability to communicate effectively internally and externally

EDUCATION AND/OR EXPERIENCE

B.Sc. in Chemistry or related discipline

Hain-Celestial Canada, ULC. is committed to creating a diverse environment and is proud to be an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, colour, religion, gender, disability, age, or veteran status. Reasonable accommodations are available upon request.

Contract length: 6 months

Interested applicants can contact Suzy Fargalla at Suzy.Fargalla@hain.com

JOB SEARCH

Hain-Celestial Canada

Overview

The Regulatory Associate supports the international product compliance for a collection of personal care and cosmetic brands. The incumbent assists with ensuring product adherence to all required technical label elements regarding pertinent global laws and regulations and provides ongoing support with export documentation process requirements.

Essential Duties and Responsibilities:

- Collects and evaluates documentation necessary for the international registration of personal care products, including in the EU, UK and Asia.
- Supports the creation and review of Certificates of Manufacture, Certificates of Free Sale, Safety Data Sheets and other similar documentation for products sold by The Hain Celestial Group, Inc.
- Acts as a liaison between Regulatory North America team and other global teams, as necessary.
- Helps drive the international registration of products as requested by international partners
- Utilizes multiple regulatory databases to ensure the stringent accuracy and compliance of label data for products, including: Ingredients, allergy disclaimers, health claims, efficacy claims and information for creation of personal care, cosmetics and drug-facts labeling.
- Collaborates with regulatory certifications team members to verify the usage for all certification symbols, including: Organic, Gluten-free, Non-GMO, Kosher, etc.
- Review product and packaging accuracy of consumer safety information (i.e. storage/temperature requirements, expiration dates, etc.)

Desired Skills and Experience

- Minimum 1-3 years' experience in a technical function, preferably in regulatory compliance in the CPG industry.
- Bachelor's degree required.
- Working knowledge of EU, FDA and HC regulations
- Experience with GMP's, SOP's and Environmental guidelines.
- Export experience a major plus.
- Excellent organizational skills, ability to prioritize multiple priorities and strong attention to detail.
- Computer skills including MS Office programs such as Outlook, Word, Excel PowerPoint.
- Strong interpersonal skills and ability to communicate (verbal/writing) effectively.
- Self-motivated and strong analytical / problem solving skills.
- Ability to collaborate at all levels of the organization and across other functional areas.
- Ability to maintain a high level of confidentiality
- Preferred knowledge of the Consumer Product Goods Industry.

At The Hain Celestial Group, our commitment to helping consumers lead A Healthier Way of Life™ is at the heart of everything we do. With operations in North America, Europe, and India, we participate in many natural categories with well-known brands. Our mission is to be the leading marketer, manufacturer, and seller of organic and natural, better-for-you products. We are committed to growing sustainably while continuing to implement environmentally sound business practices and manufacturing processes.

EEO/AA/M/F/Veteran/Disabled

Interested applicants can contact Suzy Fargalla at Suzy.Fargalla@hain.com

JOB SEARCH

Canadian Custom Packaging—Regulatory Affairs and ISO Manager

Position Description: This position is instrumental to the organization and provides complete Regulatory Affairs and ISO support to both internal departments, as well as directly to our customers. Main liaison with external partners such as auditors, inspectors, consultants, etc. on matters relating to Regulatory, ISO and QMS.

Key Responsibilities:

- Obtain and evaluate technical documentation relative to regulatory requirements.
 - *On-going review of product compliance relative to the changing regulations
 - * Implement appropriate strategies and changes necessary to meet evolving regulatory initiatives
- Plans and executes the preparation of regulatory submissions, amendments, and annual reports for all authorities and governing bodies
 - *Including, providing assistance with annual product quality reviews (APQR) and adverse drug reporting (ADR) specifically in the area of literature search in support of annual summary reports.
- For markets outside Canada, (as required), works with regulatory contacts and consultants to facilitate preparation of their marketing application, post approval submission documents
- Monitors the progress of agency review of regulatory submissions and follows up with applicable parties
 - *Coordinates, prepares, and submits response to Health Authority questions
 - *Follows up with regulatory contact on their progress with the foreign agency
- Responsible to promote awareness of ISO standards and requirements throughout the organization
- Provides regulatory advice/support to internal departments such as R&D, QA, and product development
- Assist in the review of all technical documentation for product release; develop procedures and maintain files in compliance with Canadian GMP's
- Lead support to all Health Authority inspections such as Health Canada and FDA audits
- Lead support for all ISO audits
- Registering of products including DIN's, NHP's, Medical Devices, etc.
- Responsible for the renewal and maintenance of all licenses including DEL, MDE, NHP, etc.
- Reviews and prepares ingredient lists as requested
- Review and prepares SDS and MSDS's as requested

Other duties as assigned

Skills & Qualifications:

- Proficient in Microsoft office, including: outlook, word, excel, power point, TEAMS, etc.
- Excellent organizational, time management, written and verbal communication skills
- Demonstrated ability to work well under pressure, while managing conflicting priorities and tight deadlines
- Ability to work professionally and collaboratively with all internal departments and external customers
- Self-starter who is analytically minded, adept problem solver and able to work independently and efficiently
- In-depth understanding of global regulatory requirements for cosmetics, DIN's, NHP's and Medical Devices

Education requirements:

- University degree in Life Sciences (biology, chemistry, pharmacology), regulatory affairs program an asset
- 3+ years of direct regulatory experience in a manufacturing environment
- Completion of ISO 9001:2000 Internal Auditor Training as asset

Qualified persons can send resumes to mbillings@cdncustompackaging.com

SCC ONTARIO EMAIL REGISTRATION

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Agree
Disagree
Strongly disagree

SURVEY SAYS...

Please keep an eye out for our “**post meeting**” opinion surveys following our Chapter meetings and special events. Each year the **Ontario Chapter** is privileged to host many fine speakers and we would like to recognize them for their efforts. Following each meeting attendees will receive a **very short survey** asking to rate the speaker. Responding gives you a chance to win a \$25 gift card!

At the end of the year we will tally the results and present one of them with an award as “**Speaker of the Year**”.

The Holistic View of Beauty

By Giorgio Dell'Acqua

Introduction

Back in 2020, when I started my adventure as a cosmetic scientist and formulator working at a contract manufacturer, I was introduced to suppliers and brands that suggested ingestible ingredients as an effective treatment to improve the way our skin, hair and nails looked. We called it at the time the “inside-out” approach to beauty. Although I knew about the association of certain vitamins with skin and hair aspect and quality, the supplements were more complex, from collagen to carotenoids to different phytochemicals with issues related to release, stability, bioavailability, etc.. Mostly because the lack of sufficient clinical evidence and the challenge for suppliers operating in the cosmetic industry to support clinical trials addressing the inside-out approach, many of these ingredients went unnoticed in the bigger picture of beauty and made their way through the nutraceutical market with a certain success, focusing on general wellbeing or wellness. Back in the day, I believed that the predominant dogma of addressing skin care and hair care as a specific target using topical products, almost like skin and hair were disconnected from the rest of our body, slowed down the adoption of a more holistic approach, and the idea to address beauty through an inside-out intervention as well.

A Holistic World

The holistic view of our body has been explored and developed for thousands of years in TCM and Ayurvedic Practice and represents a philosophy of life. We are looking at interactions and equilibrium between our senses, our organs and our external world with its colors and smells, but also with its dangers (pollution and stress in all their form). The notion that we are completely connected as individuals and with the environment is not surprising either. We just lived the disconnect for too long. There is a willing to reconnect to ourselves, our communities and nature. Sounds familiar? This is very much in line with the principle of sustainability, but also with a holistic view of the world where individuals function better as communities. Connections are complex though and not necessarily linear. This is why it is risky to simplify; but in general, we can draw some essential concepts that I think are main take-aways when approaching the skin and hair as part of our body and subjected to its rules.

The Scientist View

First, embryology studies taught us that some organs derive from the same embryonic tissue. When we think about the brain, skin, hair connection we realize that all these organs are derived from the same ectoderm layer during embryogenesis. Although these organs eventually differentiate to assume morphology and function completely different from each other, they do share mechanisms and pathways that are similar and interconnected. Some years ago, this basic understanding allowed scientists to develop concepts around the so-called neurocosmetics or the brain-skin-hair- axis.^{1,2} These concepts are becoming more prevalent these days since they are helping us to understand how stress and our mind influence our body and our appearance. When stress, either internal (psychological) or external (environmental), hits us, it definitely has an impact on how our skin and hair looks. Although it is common sense, since we have experienced it in the past either ourselves or seeing on other individuals, science is helping now connecting the dots between stress, related neurotransmitters and a physiological change ultimately associated with a condition and/or an appearance (looking good or looking bad).

Continued on pg 18



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Did You Know?

Cashews and almonds aren't technically nuts. So what are they?

You may have already heard that peanuts are not nuts. They are actually legumes and are members of the pea family. But did you know that cashews, almonds, and several other common "culinary nuts" are not true nuts either? To help us understand why this is, it is important to know what the definition of a true "nut" is. Botanically, a nut is a dry fruit that consists of a hard shell covering a single seed. Some examples of true nuts include acorns, chestnuts, and hazelnuts.

On the other hand, the fruits of the cashew, almond, and pistachio plants are not true nuts, but are rather classified as "drupes." Drupes are fruits that are fleshy on the outside and contain a shell covering a seed on the inside. What we consume is this seed. The classification of walnuts and pecans is not as clear cut—they have characteristics of both nuts and drupes, but don't completely fulfill the criteria for either. Some refer to them as "nut-like drupes", others as "drupaceous nuts". Interestingly, peaches and mangoes are also drupes—except in this case, we eat the fleshy exterior and not the shell and seed found inside it. Confusing, isn't it?

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Stress has been part of my life earlier on (Buddhism believes that since stress or trauma starts with birth and never really goes away, we spend our lifetime to figure out how to reduce it or alleviate it with a goal of trying reach a more balanced, happy state) and I am pretty sure that some of the specific pain I felt in some parts of my body when I was younger were created by my brain: also called a psychosomatic state. I am sure it may have happened to some of you. We generally believe that our mood can influence our organs holistically. There are publications suggesting how a positive or a negative predisposition can affect a condition, even a very serious condition, with the body releasing certain hormones. But what about the skin or the hair and how our mood or senses-related stimuli can affect our look? It was not until reading some articles published in the late 90s by Prof Paul Bigliardi, that I realized that even the skin can change physiologically based on the influence of neurotransmitters (including our very own and not just CBD...). The discovery by Paul of opiate receptors carried deep in the dermis by tiny neuro-fibers was groundbreaking.³ And the intimate connection between these receptors, the transmitters and skin thickness!⁴ More recently, the presence of smell receptors in the skin and hair triggering physiological changes.⁵⁻⁶ Can our senses change our skin appearance? Probably yes... And what about our hair look and growth? Some recent work is evidencing how the hair follicle and dermal papilla cells can be directed to arrest growth by corticosteroids related molecules,^{7,8} and how mediators like Cortisol and Cortisol spikes can determine the way our hair grows or sheds.⁹ We have clinical evidence that by supplementing our body with phytochemical-based supplements we can change the way our hair and skin look.^{10,11} There is a bigger picture, which as cosmetic scientists we need to consider when creating cosmetic products for skin and hair, and this is our inner self.

Conclusion

Our body is one and our beauty depends on how we treat our body. Nothing deeper than that. Recent scientific discoveries explain how our senses are contributing to our appearance. We investigate how different ingredients, either applied topically or ingested, can help us maintain a healthy body and healthy look. The future is holistic, and science is now on our side!

References

1. Theoharides TC, Stewart JM, Taracanova A, Conti P, Zouboulis CC. Neuroendocrinology of the skin. *Rev Endocr Metab Disord.* 17(3):287-294, 2016
2. Paus R. Exploring the "brain-skin connection": Leads and lessons from the hair follicle. *Curr Res Transl Med.* 64(4):207-214, 2016
3. Bigliardi PL, Bigliardi-Qi M, Buechner S, Ruffi T. Expression of mu-opiate receptor in human epidermis and keratinocytes. *J Invest Dermatol.* 111(2):297-301, 1998
4. Neumann C, Bigliardi-Qi M, Widmann C, Bigliardi PL. The delta-opioid receptor affects epidermal homeostasis via ERK-dependent inhibition of transcription factor POU2F3. *J Invest Dermatol.* 135(2):471-480, 2015
5. Ho HK, Bigliardi PL, Stelmashenko O, Ramasamy S, Postlethwaite M, Bigliardi-Qi M. Functionally expressed bitter taste receptor TAS2R14 in human epidermal keratinocytes serves as a chemosensory receptor. *Exp Dermatol* 30(2):216-225, 2021
6. Jimenez F, López E, Bertolini M, Alam M, Chéret J, Westgate G, Rinaldi F, Marzani B, Paus R. Topical odorant application of the specific olfactory receptor OR2AT4 agonist, Sandalore® , improves telogen effluvium-associated parameters. *J Cosmet Dermatol.* 20(3):784-791, 2021
7. Dell'Acqua G, Richards A. Human hair follicle dermal papilla as an in vitro model to study stress-induced hair growth arrest. *J Invest Dermatol*, in press, 2021
8. to N, Ito T, Kromminga A, Bettermann A, Takigawa M, Kees F, Straub RH, Paus R. Human hair follicles display a functional equivalent of the hypothalamic-pituitary-adrenal axis and synthesize cortisol. *FASEB J* 19(10):1332-4, 2005
9. Anzelone M, Richards A, Dell'Acqua G. Stress-induced hair loss benefits from a standardized nutraceutical. *Naturopathic Doctor News & Review*, May 2020
10. Ablon G, Kogan S. A six-month, randomized, double-blind, placebo-controlled study evaluating the safety and efficacy of a nutraceutical supplement for promoting hair growth in women with self-perceived thinning hair. *J Drugs Dermatol.* 17(5):558-565, 2018
11. Granger C, Aladren S, Delgado J, Garre A, Trullas C, Gilaberte Y. Prospective Evaluation of the Efficacy of a Food Supplement in Increasing Photoprotection and Improving Selective Markers Related to Skin Photo-Ageing. *Dermatol Ther (Heidelb).* 10(1):163-178, 2020

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This program requires the application of GLP and GMP practices, producing students who are detail oriented, well organized and have excellent communication and presentation skills. Students are provided with specialized training for careers in the product development, formulation and testing, regulatory and quality aspects of the cosmetic industry.

PROGRAM FEATURES

As the only Cosmetic Science graduate certificate program in Ontario, it focuses on product formulation and cosmetic production while emphasizing the industry's evolving regulatory environment.

This program is affiliated with the following organizations:

- Society of Cosmetic Chemists (SCC)
- Cosmetics Alliance Canada

INDUSTRY SKILLS

- Prepare solutions, lotions and creams, and assist in development
- Assist in preparation and development of pigmented products
- Apply knowledge of Personal Care Product Regulations
- Review labels
- Perform and report microbiological assays
- Perform skin testing to support claims substantiation
- Operate analytical instrumentation (HPLC, GC, FTIR) according to GLP standards
- Assist in preparation of C of A
- Perform stability studies
- Perform literature searches and prepare summaries
- Assist in preparation and review of SOPs
- Communicate and co-ordinate with team members

RECRUITMENT AND HIRING PROCESS

- Work terms take place from May to August or from September to December and last up to four months
- The recruitment and application process begins three to four months prior to the job start date
- Hire in three simple steps: email us a job description, review and shortlist candidate applications, interview and select candidate(s)

DIVERSE & INCLUSIVE HIRING

Seneca has partnered with Specialisterne on the Postsecondary Employment Bridging Program to connect you with untapped pools of talent that add value and enhance your workforce. Talk to us to learn more.



Questions? Contact Us

WIL Co-ordinator
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NEWSLETTER POSTING DATES FOR 2021

Here are the dates for 2021 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ♦ January 14th
- ♦ February 10th
- ♦ April 29th
- ♦ August 26th
- ♦ October 7th



(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at;

<http://www.ontarioscc.org/newsletters.htm>



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Presenters Welcome!!!



The SCC Ontario Chapter board is currently accepting submissions for presentations! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

bhalasz39@gmail.com

Did You Know?

SCC Ontario Chapter Has a Group Presence on **Linked in** and invites you to join the Group As a Member of the SCC Ontario LinkedIn Information Source. Take A Look **Linked in**



UPCOMING EVENTS

May 27th, 2021 On-Line Webinar		SCC Ontario Chapter Meeting— <i>‘Expanding the Rainbow’: Colors & Trends – Where they Come From and How they Influence Cosmetics, Fashion, Home & Décor</i> ” - Alison Griffin
July 22nd, 2021 Caledon Woods Golf Club		20th Annual SCC Ontario Golf Tournament 
July 14th, 2021 On-Line Webinar		SCC Ontario Chapter Meeting - <i>“Navigating buzzwords to address demand for naturality”</i> - Pascal Yvon
September 23rd, 2021 On-Line Webinar		SCC Ontario Education Day—TBA
November 4th, 2021 On-Line Webinar		SCC Ontario Chapter Meeting— TBA
November 26th, 2021 The Venetian, Vaughan Ontario		Annual Holiday Dinner Dance
February 3rd, 2022 The Venetian, Vaughan Ontario		SCC Ontario Chapter Meeting— TBA
March 10th, 2022 The Venetian, Vaughan Ontario		SCC Ontario Annual Regulatory Meeting



ONTARIO CHAPTER SCHOLARSHIP PROGRAM SOCIETY FOR COSMETIC CHEMISTS

The support of Cosmetic Science Education and Research are central to the goals of the Society of Cosmetic Chemists (SCC). The Ontario Chapter has developed a Scholarship Program available to students planning to complete cosmetic science research in Canada. In the past, the \$1000.00 award has been presented to students from Seneca College, University of Toronto, University of Waterloo, University of Guelph and McMaster University. The program began in 2003 and over 20 students have received awards.

Interested students are invited to submit a brief one page outline to Dennis Zuccolin, Director of Scholarships at dzuccoli@estee.ca. The scholarship applications will be reviewed by the SCC Ontario Chapter Board members. Students awarded a scholarship can also apply for additional support (up to \$1000.00) to cover research and development costs, training and conference expenses.

The Ontario Chapter has supported the Seneca College Cosmetic Science Program and students by providing several scholarships. Students of the Seneca School of Biological Science and Applied Chemistry will also be supported with a new award starting in the current school year.

Successful scholarship and award candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members, prepare a poster presentation, write an article for the newsletter and make an oral presentation on their research at a chapter meeting.

NORTHERN HIGHLIGHTS STAFF

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MEMBERSHIP

For those who would like to become members, yearly fees are \$155 US. Applications are available from your Executive Committee or on-line at;

<http://www.sconline.org/membership/>

Please return the completed form at your convenience and reap the benefits of the SCC. For renewal memberships, please send payments directly to the SCC National Office. For your convenience, National will accept payment by **VISA, Mastercard or AMEX**. Please contact National for details.

Presentation Library

Peruse our wide selection of presentations from previous meetings

<http://www.ontarioscc.org/presentations.htm>

ATTENTION MEMBERS

Unemployed and Emeritus members may continue to attend monthly meetings free of charge.

Please contact the registration booth upon arrival.

Unemployed membership is free of charge by submitting the renewal form with unemployment details.



Address Changes??

Throughout the year many of our members change jobs or relocate and forget to notify the National Office. Without notification, these members may not receive important mailings and eventually are made inactive. If you know of someone who has moved, please ask them if they have contacted the National Office regarding their address change.