Fermentation and Biotransformation:
Promising Routes to Novel Actives for the Cosmetics Industry

Dr Jon Anderson
Actives International, LLC

Development of novel active ingredients requires innovative, reliable and affordable sourcing. With recent concerns over BSA and a general move away from animal derived compounds coupled with the shortcomings of plant derived extracts (such as seasonal supplies and year to year variability) alternative methods of production need to be accessed. Fermentation and biotransformation are promising routes for the discovery and large scale supply of ingredients for the cosmetics industry.

Fermentation is a controlled process to grow microorganisms with the proper environment, nutrients and carbon source so as to provide a target compound. The microorganisms include a variety of bacteria, fungi, and microalgae; the target molecules range from macromolecules such as proteins and polysaccharides to small hydrocarbons and heterocyclic compounds. The target molecules can be endogenous constituents of the microorganisms such as hyaluronic acid, D-glucans, and phytosphingosines. The target molecules also can be constructed by altering the chemical "building blocks" or by altering various biosynthetic pathways to provide, for example, unique ceramides. Additionally, interesting peptides or proteins of animal origin can be produced through fermentation by inserting the genes responsible for coding into the vector genome, thus allowing cross family production of low yield or rare compounds.

A Novel Iron Complex for Collagen Regeneration

Caroline Schutz
French Society of Cosmetic Chemists

Trace elements play a fundamental physiological role in the chemistry of living matter. Today, we are rediscovering the mechanisms through which certain metals act. Unlike copper or zinc, iron still remains poorly known for its benefits on the skin. Iron intervenes in several enzymatic reactions, and plays an interesting role in collagen synthesis.

This session will present the use of iron in anti-ageing applications. In vitro and ex-vivo studies have revealed that iron input stimulates the activity of procollagen hydroxylase enzyme, a key enzyme for collagen maturation in fibroblasts. It has been demonstrated that a water soluble iron complex can significantly increase synthesis of type I collagen on human skin explants, showing an activity similar to that of retinol.
2007 SCC CALENDAR OF EVENTS

FEBRUARY
27 California Chapter SCC Monthly Meeting
Proud Bird, Los Angeles

MARCH
10 California Chapter SCC Annual Dinner Dance
Wilshire Grand Hotel
Los Angeles
Location TBA
27 California Chapter SCC Monthly Meeting
Proud Bird, Los Angeles

APRIL
24 California Chapter SCC Monthly Meeting
Location TBA

Hospitality Corner
The California Chapter of the SCC would like to welcome the following new members to our Chapter:

Lisa Hernandez - Dermalogica, Inc.
Lora Lassley - Dermalogica, Inc.
Sadig Yaqoobi - MPP, Inc.
Jeane Huang - Integrated Research
Petro Detchev - Jason Natural Products
Angie Liv-Butu - Jason Natural Products
Anju Bansal - CP Kelco
Matthew F. Hellman - Cosway Company

Please greet our new members at upcoming meetings and events. Do you know a new member? Contact Tina-Marie Lesko at tmllesko@presperse.com so we can include them in the Hospitality Corner for future Cosmegrams.

SAVE THE DATE
It's not too early to plan! The SCC Annual Scientific Seminar will be held at the Anaheim Marriott in Anaheim, CA on May 10-11, 2007. Let's show our spirit by spreading the word and making this a well attended meeting. For further information, please go to www.scconline.org.

CONTACT INFORMATION CHANGES
If you are a member of our chapter and your information (ie. name, address, company, phone numbers, email address) has changed, please make sure you contact us with the new information so we can update our database. If changes are not sent to us, you may not be getting your newsletter, meeting notices, course registrations, etc. Please contact Tina-Marie Lesko at tmllesko@presperse.com with any changes.

Educational Hour
(cont’d from pg. 1)

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Deadline for the March Cosmeagram is February 23rd.  All information is to be sent to Karen Garruto at Croda Inc.

MONTHLY MEETING DETAILS:
PLEASE NOTE LOCATION
Proud Bird
11022 Aviation Blvd.
Los Angeles, CA  90045
(310) 670-3815

Cost:
$40  All members with reservations
$48  Non-members w/reservations
$48  First time guests with a member-sponsored reservation.

$48  Members without reservations
$48  Non-members w/o reservations

Menu:
Menu Selection is Not Required
Buffet Style

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Educational Hour
(cont’d from pg. 1)

Caroline Schutz holds degrees in Biochemistry and Cosmetology Science programs from the University of Lyon, France. She is responsible for the Global Technical Marketing Support at Gattefosse. Caroline has developed an extended knowledge in the skin care field and mechanisms of actions of active ingredients in personal care products. Author and co-author of articles on anti-ageing treatments and sensory analysis, Caroline is an active member of the French Society of Cosmetic Chemists and frequently delivers symposiums in major SCC Chapters throughout the world.
Biotransformation or biofermentation can be described as the structural modification of one compound (usually abundant, affordable, and inactive) into another compound with significant activity. This structural modification is achieved through specific enzymatic processes of the microorganism such as oxidation, reduction, esterification or ring formation during the fermentation process. Enzymatic synthesis is a variation of this process where the specific enzymes have been isolated from the microorganism and, for example, immobilized on a matrix for synthesis without fermentation. Several examples of the production of value-added compounds will be presented.

Higher plants have also been a good source for active compounds however several shortcomings are apparent with cultivation seasonal variation of quality and concentration, etc. Plant tissue culture has provided a reliable avenue for controlled production of plant secondary metabolites used in the cosmetics industry such as shikonin, saikosaponins, and bryonolic acid.

Biotechnology provides a variety of methods to produce high quality active ingredients in a reliable and controllable way. This technology, however, has to be balanced by cost. This presentation will discuss various aspects of the biotechnological production of compounds for the cosmetics industry.

ABOUT OUR SPEAKER

Dr. Jon Anderson has dedicated his academic and industrial careers to the discovery and development of high purity bioactives from natural sources for human and animal health care. Jon spent 8 years at Purdue University School of Pharmacy, Department of Medicinal Chemistry and Pharmacognosy as a graduate student, Post-doctorate, and Research Scientist working on bioactive compounds from higher plants. In 1992 he joined Esteé Lauder and as Senior Principal Scientist worked on developing novel high purity ingredients for skin treatment products. While his academic training focused on the search for anti-cancer compounds and agrochemicals, his industrial work has broadened that focus to include anti-inflammatory and anti-allergens, anti-oxidants, protease inhibitors, modulators of proliferation and differentiation, and other pathways pertinent to skin treatment.

In 2000 Dr. Anderson joined Bill Williams to form Actives International LLC. With research efforts in laboratories at New Jersey, Jon heads up the development of prototype active ingredients and coordinates outside manufacturers and partner companies around the world.

Recognized as an industry leader, Dr. Anderson is a frequent speaker at scientific meetings on Pharmacognosy, Microbiology, and Cosmetic Chemistry. His achievements include 7 patents, 25 peer-reviewed scientific publications and 20 scientific podium presentations. Jon continues his interest in understanding and using the chemistry of plants, marine products and fermentations.

Message From The Chair

Dear SCC Members,

HERE WE GO... 2007!

We’re already well into the New Year... hopefully having a good 2007 so far! It seems strange that a group of our fellow members will be skiing this month in Utah, yet the Dinner Dance is just around the corner. Time moves quickly here in California... as does the change in our industry.

Are any of us ready for the changes that will effect us all in 2007?? Regulatory issues are again sprouting. Thanks to Janet Winter-Blaschke for an update and summary on REACH at the January meeting, we have a better idea of its impact. I am sure we all have work to do in preparation for the upcoming requirements which could effect us all in one way or another.

On behalf of the So. Calif. SCC Board for 2007, I welcome suggestions, comments, and questions that any member or prospective member may have in regard to the Society of Cosmetic Chemists and the value we provide. Please check our web site, www.CaliSCC.org, and/or send me an e-mail with your comments/suggestions: h.naef@lipochemicals.com.

We are looking forward to some excellent speakers for our February Meeting. Looking ahead at development of new actives in Personal Care, one of the key factors to competitive edge in our industry, Dr. Jon Anderson will share some development he and his company have done with Biotechnology.

Hoping to see many of you then!

...Heather Naef-Owen
California Chapter Chair 2007
(714) 389-4174
Historian Column

Dr. Richard Wells

One of the first lessons any Physics student learns is Newton’s First Law of Motion. That law essentially states that: “a body in motion tends to stay in motion, and a body at rest tends to stay at rest.” While the law serves as a basic tenet for understanding the movement of all objects in the universe, it also seems to perfectly embody the life of Richard Wells. With a degree in Physics, Richard Wells has not only applied Newton’s First Law in the lab, but has also adopted the Law as a mantra for his life.

Richard Wells is a man of constant motion. You used to be able to find him enjoying sunsets while creative writing and managing a successful consulting operation from the shores of Marina del Rey, California. After two years of service, Richard was accepted into the City of London University and graduated with a degree in Physics. At Edinburgh University in Scotland he bagged two Masters Degrees (in BioPhysics and Genetics) while on his way to earning a Ph.D. in Molecular Biology. From Edinburgh he traveled to Holland where he had a post-doctorate fellowship at the University of Amsterdam. Next, he traveled to the United States for a three year post doctorate at City University of New York, where he was an Asst. Professor in Biochemistry & Molecular Biology. With an obvious appetite for knowledge and an innate thirst for travel, he continued with another two years in Canada at the University of Montreal and the University of New Brunswick. It was after his time in Canada that Richard finally left the university system. He returned to Brooklyn, New York and took a position in drug development with Pfizer. After three years with Pfizer, Richard finally found the wonderful world of cosmetics. He became a Group Leader, Commercial Products for Richardson-Vicks (Oil of Olay, Clearasil, etc.). After two years with Vicks, he again put his body in motion and traveled across the country to California where he became the Director of R&D, QC and QA for the multi-level marketing (MLM) firm, Jafra Cosmetics. During his seven years with Jafra, he took on the role of Vice President, R&D.

After Jafra, Richard went back to the university system and took a position with USC as the Associate Director of Labs in charge of Biology, Biochemistry and the Molecular Biology labs. At the same time, he started his own cosmetics consulting firm geared mainly to large MLM companies. It is during this time that he came upon his next opportunity in 1995 at Herbalife as Vice President, R&D. At Herbalife, he oversaw the development of well over a hundred cosmetic products, including color for the famous MLM firm. His position with Herbalife was a perfect match as his role meant he had to travel all over the world from Bangkok to Australia to help launch new products at conventions. After Mark Hughes, the owner of Herbalife, passed away in 2001, the research lab was disbanded. Richard went back to his consulting business for several years until 2006, when he accepted his latest position with Basic Research.

Richard Wells’ career has been an incredible journey that has led him to become one of our chapter’s most distinguished Emeritus Members. His fantastic voyage has not only been reserved for his professional life. In his personal time, Richard enjoys traveling the world and cites favorite destinations as Sydney, Australia, Vancouver, Canada, Paris and Hong Kong. He’ll often escape to his beachfront condo in Punta Del Este, Uruguay where he can relax and visit family. While he is certainly no stranger to frequent flyer programs, Richard would much rather travel on two wheels and has ridden over 250,000 miles on his road motorcycle across the US, Canada and several countries Western Europe. True to his beginnings, once set in motion he has stayed in motion.

When asked where he sees himself in five or ten years, Richard remarks “I don’t know what the future will hold... I just go with the flow”. While other scientists may be able to help him predict that future, we have no doubt that Richard would certainly have made Sir Isaac proud!

Passages

Kevin D. Sathre has been appointed National Sales Manager for Coast Chemical, Inc. His contact information is 714-524-2777 and ksathre@coastchemical.com.

Please join us in welcoming Valerie Perez Roach back to California. Valerie will be in sales along with newcomer Shaya Buechler for Deveraux Specialties. You can contact Valerie and Shaya at 818-837-3700.

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Stephanie Ross Leshney
Chapter Historian

Historian Column

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Advice to the Lab Lorn

“Advice to the Lab Lorn” is intended to offer advice, or maybe just solace, for confusing, challenging or downright murderous issues facing SCC members in their labs. Send us your questions at lablorn@calisc.org and we’ll track down an authority or two and get back to you in the Cosmegram. You can include your name if you wish, but we won’t publish it for all to see! Your secrets are safe with us.

John Garruto

There is a big move toward the elimination of paraben and formaldehyde-based preservative systems. Which preservative is best for replacement for these materials?

A. The answer to this query is simple...there isn't one! That is not to say that there are no effective replacements for parabens and formaldehyde donors...in fact they are and there. The issue here is that none should be considered to be “the best”. The “best” preservative system is the one that is feasible with your product and which passes an antimicrobial challenge test based on your particular protocol. The content of each individual formulation needs to be carefully considered as many ingredients will either absorb or inactivate common preservatives. Materials that include antioxidants and render them “invisible” to microbes and render them “invisible” to microbes are not a good option. Other materials include particulates such as kaolin, bentonite, silica and titanium dioxide. Materials that can inactivate or stress preservative systems include ethoxyethanols, gums, nomic surfactants, proteins, botanical extracts and other natural materials. Additionally pH, water activity, chelation, processing temperatures and the manufacturing environment all play an important role in selecting the “best” preservative system for your application.

That being said, there are many options available to the formulating chemist. Many of these options involve the use of phenoxyethanol as the predominant antimicrobial agent with the addition of other materials to compliment the broad-spectrum effectiveness of the system. These materials can include various glycols including propylene, butylene, pentaerythrytol and caprylyl glycol. Glycols with phenoxyethanol as the predominant preservative, the antimicrobial activity increases with increasing alkyl chain length and the solubility in water decreases. This aspect will factor into your formulation strategy and method of addition.

Three fatty acid monoesters, glyceryl caprylate, glyceryl caprate and glyceryl laurate have also been shown to have antimicrobial activity and are currently used in some commercial products. These materials should not be considered as sole preservatives but part of a system that may include other materials described herein. In addition a series of biomimetic phospholipid complexes have been used for many years and still represents a good option for many formulation applications due to their ease of use, effectiveness and excellent safety profile.

Another material of interest, a glycerin ether known as ethyhexylglycerin demonstrates a synergy and broad-spectrum efficacy when combined with phenoxyethanol and generally does not cause a destabilization of some emulsion systems as do glycol-based systems. Organic acids such as dehydroacetic acid, benzoic acid, sorbic acid or their salts, sodium dehydroacetate, sodium benzoate and potassium sorbate can be effective replacements for parabens and formaldehydes and can be used to increase the effectiveness of other preservatives and without the side effects associated with use of alkylphenol polyoxyethylene derivatives.

Three fatty acid monoesters, glyceryl caprylate, glyceryl caprate and glyceryl laurate have also been shown to have antimicrobial activity and are currently used in some commercial products. These materials should not be considered as sole preservatives but part of a system that may include other materials described herein. In addition a series of biomimetic phospholipid complexes have been used for many years and still represents a good option for many formulation applications due to their ease of use, effectiveness and excellent safety profile.

Some “natural product” companies have also utilized a non-traditional, natural enzyme system based on a two-part component which includes glucose, glucose oxidase and laccoperoxidase. This system is quite formula dependent and requires some persistence and determination to be used effectively. Still, its natural derivation can be a compelling factor. The use of natural aroma materials can also provide viable options to the formulator. Compounds containing natural essential oils such as cinnamon leaf oil, rosemary oil, lavender oil and thyme oil may be effective especially when combined with other preservatives or enhancers as discussed. These materials would have obvious obstacles due to their odor component but may not be an issue in all formulations. Other fragrance-based materials can also be successfully employed as “natural” antimicrobials. These include isocyanic acid and its salts, sodium isocyanate and sodium levulinate. Also the novel use of antioxidants has been investigated and is utilized in some preservative blends. These include olive leaf extract, tropolone and hoinokilitol.

Lastly, any preservative system needs to be carefully tested to insure that it is stable and does not interact with other ingredients in the formula or with other conditions of storage or use. An antimicrobial effectiveness test with all new systems is an absolute necessity to insure that the system will protect against common organisms and those more “adapted organisms” such as might be encountered in the manufacturing environment when the product is compounded and filled. A complete and comprehensive safety-testing program should be employed as well to insure that the new preservative system is not only effective but safe as well.
Job Opportunities

**POSITIONS AVAILABLE**

- **Technical Sales Representatives (#0701-01).** Personal Care/Cosmetics Sales People Wanted: International Sourcing, a distributor of unique ingredients for the cosmetic, personal care and pharmaceutical industries, is looking for highly motivated salespeople. Candidate should ideally have a working understanding of general chemistry and an advanced degree, also prior sales/marketing background in at least one of the industry sectors. Responsibilities will include developing customer relationships within a designated geographical area, identifying and understanding market trends and ultimately generating new business. We offer an attractive starting salary, benefits and opportunity for advancement within an expanding, dynamic business. Submit resume via e-mail: is@insourcing.com. Phone: 201-560-1196.
- **R&D Positions (#0701-02).** Would you like to be part of a new state-of-the-art R&D facility opening in the Torrance area where you will be given the freedom and the flexibility to do what you do best – develop specialty products? Surfrider, a dynamic global herbal foods and cosmetics mfr is totally revamping its R&D Dept. We have openings for both Senior level (4-8 yrs exp req’d) and Junior level (1-3 yrs exp req’d) Chemists. Must have at least a BS/BA degree in Chemistry, exp in the development or testing of food, dietary supplements, personal care, or color cosmetic products and proficiency in technical writing skills. Familiarity with scale-up and QC procedures is a plus. If interested in one of these exciting positions, please forward your resume to: Sunrider 320 S. 6th Ave. City of Industry, CA 91746 E-mail: Leslie.Espiritu@sunrider.com; Fax: 626-934-6697.
- **Process Engineer (#0701-03).** A contract manufacturer of personal care products in the Los Angeles area is looking for a motivated, hard-working individual who possesses a BS or BS degree in Chemical Engineering, with 1-3 years experience. Desired skills include knowledge of cGMP, strong computer skills, strong verbal and written communication skills, equipment specifications, SDP development, hands-on experience with clean water systems and cosmetic processing equipment. Experience with OTC validation helpful, including protocol development, execution, temperature mapping, and discrepancy resolution. Please fax your resume to Virginia Kickertz at 310 603-0657 or e-mail to vkicketz@coswayco.com.
- **Research & Development Chemist (#0702-01).** Bachelor’s Degree in Biology, Chemistry, or related field. Minimum of 2 years directly related Research & Development laboratory experience. Email resume to Lab-Tech@randallinternational.com.
- **Research & Development Technician (#0702-02).** College Graduate, Chemistry-related field not necessary. Starter opportunity, will work under Chemist supervision. Email resume to Lab-Tech@randallinternational.com.
- **Quality Technician (#0702-03).** Associate’s Degree in Biology, Chemistry, or related field from two-year college or university. Starter opportunity, will work under Chemist supervision to test raw materials, in-process and finished bulk. Email resume to Lab-Tech@randallinternational.com.
- **Quality Inspector (#0702-04).** High school diploma or General Education Degree (GED) and/or one to three related experience and/or training. Starter opportunity, will work under Chemist supervision to inspect final products from filling and labeling departments. Email resume to Lab-Tech@randallinternational.com.
- **QA/QC Chemist (#0702-05).** Cosmetic manufacturer in the San Fernando Valley is seeking a QA/QC Chemist with experience in FTR, OTC, Medical Devices and Cosmetics. Must be familiar with material and finished goods testing, IQ/OP/QP, SOP implementation, cleaning and sanitation protocols. Color matching skills are desirable. Bi-lingual a plus. Two to five years experience required. Send resume to: Timothy@Basic-Solutions.net or fax to 818-332-4662.
- **R & D Manager (#0702-06).** Color Cosmetics/Skin Care/OTC product manufacturing seeks talented, experienced, R & D Manager. Must have extensive knowledge of raw materials, formulation, mfg procedures and regulatory documentation. Candidate will interface directly with and supervise liquid and powder R & D laboratory and production compounding departments. Previous R & D management experience required. E-mail your resume to kime@classiccosmetics.com or fax to 818-773-6607.
- **Quality Control Manager (#0702-07).** San Fernando Valley Cosmetic Manufacturer seeks talented Quality Control Manager. An experienced manager with at least 3 years experience and a Bachelors degree, preferably in Chemistry with a minimum of 2 years of quality control experience a plus. Will manage the QC department. Establish, monitor and maintain quality control systems. Provide efficient and accurate laboratory controls including data management. Timely execution of special projects which require Quality Control’s input. Please e-mail your resume to kime@classiccosmetics.com or fax to: Human Resources at 818-773-6607.
- **R & D Chemist (#0702-08).** Cosmetic manufacturer in the San Fernando Valley is seeking an experienced R&D Chemist. Must have a Bachelors degree in Chemistry or related Scientific discipline. 3-5 years of experience developing personal care products (emulsion/suspensions/solution/etc.), ability to work well with all internal departments, excellent written and oral communication skills and be able to perform as a team member in achieving the company’s goals. Send resume to Timothy@Basic-Solutions.net or fax to 818-332-4662.
- **VP of Technical Resources (#0702-09).** Levilad is a leading manufacturer in servicing the personal care, cosmetics, and beauty market. We lead product development and make the finest quality products and brands. Our success and integrity will continue to contribute to our profitability and stability. As Vice President of Technical Resources you will provide overall leadership and direction and oversee performance of Levilad’s Research and Development (R&D) and Regulatory departments. Primary Position Responsibilities: Work with sales and marketing and directly with customers to develop efficacious, cost effective, and most importantly consumer desired products. Oversees laboratory development and commercialization of new products from conceptualization to high quantity manufacturing. Manages 30 personnel. Work with suppliers and industry personnel to incorporate new technologies into products. Manage regulatory department. Requires a four-year degree, 10+ years experience in the personal care industry, good people management skills, and an understanding of the regulatory industry in R&D, regulatory, and quality functions. Masters/PhD a plus. Thorough understanding of bench chemistry and cosmetics manufacturing. Knowledge of US and International OTC and non-OTC cosmetics regulations and requirements. To apply for this position: Send your resume & salary requirements to recruiter@levilad.com. Please indicate position title in the subject line. Levilad Inc. is an equal opportunity employer.
- **Position Wanted: Cosmetic Chemist (#0702-10).** Cosmetic Chemist with 19 years experience in the cosmetic industry in both color and skin care, from concept through distribution seeking full or part time position in the Los Angeles area. Please forward job and company information to: Seekr101@aol.com.
Maison G. de Navarre Young Scientist Prize 2007

The IFSCC is pleased to announce the opening of the competition for the

Maison G. de Navarre Young Scientist Prize.

This prize is granted each year to enable a young cosmetic scientist to attend either a Congress or Conference of the IFSCC.

The 2007 winner will be invited to attend the IFSCC Conference to be held in Amsterdam, The Netherlands in September 2007 with the cost of travel, accommodation and registration fees up to, but not exceeding, 6,000 Swiss Francs, being paid by the IFSCC. Any member of a member society of the IFSCC, normally under 35 years of age, may apply.

Applicants should submit an essay of no less than 500 words on one of the following topics:

a) The role of WATER in cosmetics.
b) How can cosmetics contribute to Aesthetic Medicine?
c) How Cosmetic Science can contribute to the improvement of Society.
d) My first year of experience in the Cosmetic Field: Problems and Future Hopes.

The applicant enters the competition by sending electronically a copy of the essay to the

IFSCC Secretariat – ifscscs@btconnect.com

with the information requested on the Entry Form (copies of which are available from the local Societies) by 1 June 2007. The essay must be submitted in English accompanied by the details requested on the official Entry Form. A copy of the essay must also be sent to the office of the Member Society to which the applicant belongs.

Applicants must be members of good standing in their Society, which in turn must be current in its Federation subscription. Applicants must submit proof that they are actively employed in a technical capacity in the Cosmetic Industry or related Academia and that they meet the relevant requirements.

The Award winner must attend the Conference and accept the Prize in person. All eligible candidates are urged to apply.
Area III Director’s Report

I hope everyone had a relaxing and safe Holiday season. We are already over a month into 2007 and it seems to be flying by. In any event, the NY SCC meeting was well attended and the presentations were varied and interesting. The REACH program for the EU was a topic which we will all be affected by and it was covered in one of the sessions. The program could be daunting as Janet Blaschke indicated at the January SCC Chapter meeting. Several points were made at the Director’s meetings you should be aware of. No lab or other personnel pictures identifying non-SCC members should be in our Cosmegram. It appears anonymous pictures in groups are acceptable. Also, at the risk of being redundant, please mark your Calendars for May 10-11 of 2007 for the mid-year SCC meeting in Anaheim, California. National would like to have a great turnout from our Chapter and Intermountain West (IMW) and Southwest Chapters as the meeting is in Area III which encompasses the states West of Colorado and includes Texas. The California Chapter has over 600 members and is easily the second largest in the US next to the NY Chapter which has around 1500 members. As always, any suggestions for speakers or topics both for the California Chapter or for National meetings are appreciated. The important point made in NY is to have excellent communication between and among Chapters, members and National. I am at your disposal for any ideas you have on any topic. We are fortunate to be in a vibrant and growing industry with some really wonderful, bright and creative people. My best to you all, always.

Respectfully,

Guy L. Langer
Area III Director
**Job Opportunities**

- **Position Wanted: Cosmetic Chemistry (#0702-11).** I am a recent graduate looking for a part or full time laboratory technician position, or similar, in Southern California to gain knowledge and experience in cosmetic chemistry. I have a B.S. in biological sciences granted in June 2006 from the University of California, Irvine. I am eager to learn about product formulation and the research and development aspects of the industry. I have one year of research experience in a cardiovascular biomechanics lab. I am a quick learner, responsible, and have an excellent work ethic. My resume is available when requested.

- **Account Representative (#0702-12).** Growing supplier of specialty chemicals to the personal care (cosmetics & toiletries) industry is expanding their sales team with the addition of an Account Representative. The ideal candidate will have a technical degree and/or 2-5 years of laboratory or sales experience. Candidates with business/marketing degrees will also be considered. We offer a competitive compensation package and a rewarding, team-based job environment with excellent growth opportunities. Candidates may email resume and cover letter to: Sales Manager at chemsales07@gmail.com. Contact information is confidential.

- **Product Development/Regulatory Compliance Director (#0702-13).** We are seeking a Director of Product Development and Regulatory Compliance with a keen ability to control and quality control of all our products to include product ideation, interacting and negotiating with vendors, project and timeline management, quality assurance, regulatory compliance, sample library maintenance, packaging stability and compatibility, and panel testing. Candidates will also develop product promotional tactics. Create sales, marketing, brand development, engineering, and manufacturing & operations guidelines. Under global cosmetics product briefs and benchmarks. Assess quality for all new products via panel, client and clinical testing. Product development planning and strategy. Stability testing subject to domestic and international regulations including cGMPs, FDA, EPA, and COLIPA guidelines. BA-chemistry focus. Minimum of 7 years of product development in cosmetic/beauty industry, experience developing formulas and managing the product development experience is required. Knowledge of Sepko’s Care Performance bonus, Benefits Package Send Resume to tas.poi.eimil@gmail.com or fax - 423-462-2970; www.Paulschoice.com.

- **R&D Technician (#0702-14).** As a world leader in professional skin care products our beauty is more than skin deep. We are an entrepreneurial company that fosters personal well-being, integrity and a hands-on environment which makes Dermalogica one of the world’s most respected skin care product lines more successful. We have a challenging position for a dedicated, analytical personality who is looking to develop his/her career in R&D. Duties include preparing laboratory samples, performing quality testing, procuring and maintaining inventory and much more! Our ideal candidate will have an AS degree and 1 plus years Microsoft Office, excellent written and verbal communication skills, and excellent time management skills are essential. Apply now! Please send your resume and salary history to Human Resources. E-mail: hotjobs@dermalogica.com.

- **Purchasing/Packaging (#0702-15).** Skin Care Company in San Fernando is seeking a qualified candidate with at least 2 years experience in planning and purchasing components and materials. Duties include inspecting incoming shipments for quality assurance and confirmations with specifications, source and shop pricing for products, and inventory control. Please email resume to humanresources@sonyadakar.com.

- **VP-Research & Development (#0702-16).** VP-Research & Development for a manufacturing company in Southern California that sells nail lacquers and treatments; lipsticks and liners; manicure and pedicure lotions; make-up; nail extensions, acrylics, gels, wraps, glue, nail tips; sanitation and sunscreen products, and FDA OTC items. Candidate with 10+ years relevant experience who can effectively manage and motivate a 10-person staff, including PhDs; lead team in developing and improving products. Experience includes formulating emulsion products, color cosmetics and, familiarity with polymer chemistry required with strong background in developing SOPs; knowledge of GMPs; quality control, manufacturing process and, various regulatory requirements; and a strong team player with excellent experience in developing regulatory compliant products. Consideration for this position will be given to those who have completed the course in Regulatory Compliance management available on the Internet or others with equivalent experience. Our company offers an excellent benefits package including medical/dental/vision, retirement plan, paid vacations, and paid time off. If you would enjoy working in a friendly, casual environment for a growing company, please submit your resume and cover letter to: jgarruto@radicaltechnology.com. Please visit website for additional details. This monthly listing is a free service to all members of the SCC. To place a technical job listing in the Cosmegram, a maximum of 100 words, please e-mail your job listing to John Garruto, Employment Chair at pgarruto@radicaltechnology.com or Danielle Barber at dbarker@radicaltechnology.com.}

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We do not knowingly publish listings that have been placed with a search firm and are not responsible for duplicate listings. We also do not release the names of job seekers unless directed to do so by the job seeker.
With the New Year well underway, the legislators are back, hard at work with more rules for us to consider. SB 484, the “Safe Cosmetics Act of 2005” is in the process of being implemented. Staff has been hired to run the program, but we have yet to see their comprehensive efforts toward how to file the information, and more specific details of the registration process. There is still further discussion on which chemicals to report, which at this moment includes multiple lists, not just Proposition 65 chemicals.

On January 31, legislation was introduced in the State of Illinois, which mirrors California’s SB484. More states are predicted to do the same in this legislative year.

California Air Resources Board is hard at work on the next product Survey. This will involve products sold and marketed in 2005. The Survey, which will be required by law for companies to file, is expected to be published this Spring.

The additions and changes to the Sunscreen monograph are expected to be published by FDA very soon. While this has been imminent for some time, there has been recent movement at FDA which indicates that the final legislation has been written, and is no longer in draft form. Items that are expected to be included are: UVA testing, anti-aging claims, and a delineation of approved sunscreens.

The European REACH chemicals registration program was finalized on December 18. Amendments to this new regulation are already underway. The legislation itself is over 800 pages long, and some specific information is lacking. The first in a series of rolling deadlines is June 2007. Additional compliance dates are schedules through 2013, so this program is here to stay.

Work has begun on the Cosmetic Directive Simplification programme in Europe. The new head of the Cosmetics section within the European Commission announced last year that she intended to make the existing laws essentially more simplified and less scattered. It is somewhat reminiscent of the U.S. government’s “Paperwork Reduction Act”, which had the same intent.

Stay tuned for more expansion of existing legislation and more new requirements which are on the horizon.

Janet Winter Blaschke
Regulatory Affairs Chair

Please provide your feedback and suggestions for future Regulatory Columns to Janet Blaschke [janet@intlcosmetics.com].