

Snow 'n Learn

IMWSCC 1st Quarter Meeting

March 15th , 2012

9 am to 4 pm

The Canyons Resort, Park City, Utah
Kokopelli III Ballroom

Morning Schedule

- 9:00am – Registration check-in, breakfast, and grab a copy of the Winter Newsletter
- 9:45am – Welcome, announcements, and prize drawing for newsletter contest
- 10:00am – Fabrice Leferve, Ph.D—Scientific Marketing Manager for Libragen
- 10:45am – Q&A 1st speaker
- 11:00am – Chris Kilham, Medicine Hunter—Ethnobotany, Medical Plant Program, U. Mass. Amherst
- 11:45am – Q&A 2nd Speaker
- 12:00pm—Lunch

Special thanks for our Q1 Meeting
Sponsors!

Naturex, Glenn Corporation, Induchem

Afternoon Schedule

1:30pm—Head out to Gorgoza Park just 15 minutes away to go tubing!

2:00pm – Tube the afternoon away (you only have 2 hours, so don't waste a minute!)

4:00pm – End tubing session

6:30pm—Supplier sponsored dinner (TBA)

Thanks for your attendance!

Additional Events:

- March 16th—DSM/Lipo sponsored Cross-Country Ski-Event. Noon to 4pm.
- March 16th-17th—Supplier sponsored skiing and snowboarding

Presenters for S'nL:

Fabrice Leferve, Ph.D.



DESIGN OF NEW ACTIVE INGREDIENTS ADDRESSING CELL RECEPTORS BY GREEN CHEMISTRY

The IUPHAR database describes at least 600 major receptors that have been discovered after the sequencing of human genome. Cell receptors are the eyes and ears of the simplest subunit of our

body: our cells. Reacting to an amazing variety of molecules such as hormones, ions, sugars, peptides, cytokines, lipids or exogenous chemicals. Cell receptors drive a wide diversity of signals within and between the cells. They also direct the flow of chemical information in our body.

Initially investigated for pharmaceutical applications, these cellular gatekeepers are now under evaluation in new fields of applications including skin care. This ongoing research has inspired the design of two new active molecules utilizing green chemistry: (1) an activated sugar acting on the hyaluronan / CD44 receptor expression, and (2) a cosmetic-compatible derivative of the most powerful compound from green tea, known to regulate fat tissue receptors.

These two examples will show how novel active ingredients can be sustainably generated for skin care using green chemistry, which is a beacon of hope in a world where concerns for the environment and consumer health and safety are paramount.

Bio:

of Applied Sciences. He completed a Ph.D. in molecular biology and protein engineering at the University of Toulouse.

He then directly participated in the creation of Proteus, a biotechnology company focused on extremophile microorganisms. He developed the key

technology platforms for enzymes screening and protein 'directed evolution', and moved to the position of VP of Chief Scientific Officer.

Having more than 15 years of industrial experience in biocatalysis and green chemistry for pharmaceutical and personal care applications, Dr. Leferve joined LibraGen in 2005 as Chief Scientific Officer to coordinate R&D and innovation activities. He contributed to the development and marketing of the first innovative active cosmetic ingredients of the company.

Since the addition of LibraGen to the conglomerate of Induchem Companies, he has been leading the Scientific and Technical marketing activities at Induchem Companies.

Dr. Leferve is a regular guest speaker at Universities and Engineering Schools. He is the author of reference scientific papers, book chapters, and over 20 patents, granted in the US and Europe. helps develop new or modified in vitro, ex vivo and in vivo testing methodologies including genomic testing such as human and yeast microarray, and protein assays to establish functional cutaneous pathways for product performance. He is the author of multiple patents on hair and skin care actives and has authored numerous papers on these topics as well. He is the co-editor of the book "Principals of Polymer Science and Technology in Cosmetics and Personal Care" published by Francis Taylor Publishing.

Presenters Continued:

Chris Kilham



Medicine Hunting for Rainforest treasures - The great Amazon rainforest yields a broad variety of natural ingredients for cosmetic uses.

These potent agents can help to create functional formulas with excellent efficacy. Learn about remarkable botanicals

from the Amazon,

where they come from, and what they do, with exciting images and stories.

Bio:

Chris Kilham is a medicine hunter, author and educator. The founder of Medicine Hunter Inc., Chris has conducted medicinal research in over 20 countries including India, China, Siberia, Brazil, Venezuela, Peru, Chile, Vanuatu South Pacific, Lebanon, Syria, Ghana, Austria, Germany, Thailand, Malaysia, Morocco and the US. CNN calls Chris “The Indiana Jones of natural medicine.”

Chris is Explorer In Residence at the University of Massachusetts at Amherst, where he teaches ethnobotany through the department of Plant & Soil Sciences. Chris also conducts botanical educational programs for the natural products trade.

Chris is the FOX News Health Medicine Hunter, and appears online as well as on FOX News nationally and internationally. He writes a weekly column for FOX News Health online, and shoots segments on plant-based medicines on his own and with Dr Manny Alvarez.

Chris has worked with numerous companies to develop and popularize traditional plant-based food and medicinal products into market successes. These successes include kava, maca, horny goat weed, catuaba, tamanu oil, herbal beverages and dozens of

other plants.

Chris is the author of fourteen books, including Hot Plants (St Martin’s Press) Psyche Delicacies, and Tales From The Medicine Trail both published by Rodale Press, and Kava, Medicine Hunting in Paradise. Chris also writes articles on plant medicines for several publications.

Chris lectures extensively on holistic health and botanical medicines, throughout the United States and abroad. He held the diplomatic post of Honorary Consul to the United States for the Republic Of Vanuatu from 1997 through 2000. Chris has been featured in numerous newspaper and magazine articles including New York Times, Wall Street Journal, Psychology Today, Outside, Parade, Boston Herald, Vogue, Natural Health and Men’s Health, and hosted his own health-oriented talk radio programs in the Boston area for five years. An avid body surfer and adventure traveler, Chris lives and works in Massachusetts.

Chris has appeared on over 1500 radio programs and more than 500 TV programs worldwide.

Books by Chris Kilham:

Hot Plants St Martin’s Press 2004
Psyche Delicacies, Coffee, Chocolate, Chiles, Kava and Cannabis, and Why They’re Good For You Rodale Press 2001
Tales From The Medicine Trail Rodale Press 2000
OPC: The Miracle Antioxidant Keats Publishing 1997
The Whole Food Bible (revised version), Healing Arts Press 1996
Kava, Medicine Hunting in Paradise Park Street Press 1996
The Five Tibetans Healing Arts Press 1994
Cowboy Marketing New Hope Communications 1993
The Bread & Circus Whole Food Bible Addison-Wesley 1991

Presenters Continued:

Inner Power, Japan Publications 1988
In Search Of The New Age Destiny Books 1988
Take Charge Of Your Health Japan Publications 1985
Stalking The Wild Orgasm ACS Publications 1984
The Complete Shopper's Guide To Natural Foods Autumn Press 1980 other plants.

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The Complete Shopper's Guide To Natural Foods Autumn Press 1980