



CONFERENCES
SPECIAL TESTING SUMMARY
IN SILICO, IN VITRO, EX VIVO, IN VIVO STUDIES

Day 1 – October 14th, 2024

Auditorium #1

10:35 – 11:05 – WorkShop 1

Transparency & Engaging Consumers

L'Oréal - Iguatemi Costa & Isabelle Rollat EcoBeautyScore Consortium

Auditorium #2

13:20 – 13:55 – WorkShop 2

Sustainable Innovation in the Cosmetics Industry: Upcycling and the Vanguard of Biotechnological Products

Grupo Boticário - Lecture Jaciane Lutz Ienczak

14:00 – 14:35 – WorkShop 2

Biotechnology and beauty: yeast mycosporins

Grupo Boticário - Renata Pascon

15:20 – 15:50 – WorkShop 2

*Advances in Biotechnology in the Cosmetics Industry: Collaborations in Research Projects as Catalysts for **Innovation***

Grupo Boticário - Larissa Zonta

15:55 – 16:25 – WorkShop 2

*Biotechnology - an overview on characterization, **safety and efficacy** during ingredient and **product development***

Grupo Boticário - Juliana Cibi Amorim Telles

Day 2 – October 15th, 2024

Auditorium #1

Morning

9:00 – 9:30 - Keynote

*The best choice for a strategic Innovation: **sustainability, diversity and inclusion** as a tool for **R&D***

Grupo Boticário - Gustavo Dieamant

FA04

Innovative **safe sunscreen technology**: skin penetration evaluation through **in-vitro/in-vivo** assays and environmentally friendly

FA14

Novel natural **polymer coacervates**: innovative retinol encapsulation for advanced skin-care formulation design

FA41

Skin microbiome based personalized cosmetics, the next generation of skincare

FA16

Comprehensive wet and dry experiments reveal the **anti-ageing effects of yeast fermentation** extract by influencing the skin microbiome

Afternoon

14:00-14:30 - Keynote

Sustainable cosmetic development: from concept to consume

Curtin University - Heather Benson

FA32

Development of an **anti-aging formulation** based in nanotechnology capable of balancing the cutaneous microbiome

FA68

Corynebacterium cassiri, a newly discovered skin commensal with **anti-ageing properties**

FA86

Natural and effective solution for long-lasting hydration and plumpness of the skin using **core-shell ion complex**

Auditorium #2

Morning

SH102

Decoding skin oiliness and morphological characteristics in different **skin phototypes** in Brazil: **an inclusive clinical study**

SH107

Immunocompetent and Micro vascularized human full-thickness skin equivalent as a new **advanced 3D model** for the evaluation of cosmetics active ingredients targeting **skin aging**

11:10 – 11 :40 - Keynote

*Sunscreen formulation to optimize efficacy, efficiency, and environmental health using **EcoSun Pass technology***

BASF - Andressa Peyrot

SH18

Porphy'aging: new insights into phenomena related to skin aging

SH50

Revolutionizing anti-aging skincare: unveiling the potency of **mixed retinol for enhanced effects and reduced irritation**

SH69

Diving deep into the hair fiber: ultrastructural analysis by **PeakForce Quantitative NanoMechanics** (QNM) mapping

Day 3 – October 16th, 2024

Auditorium #1

Morning

SB57

A novel combination of **hyperpigmentation control agents** to personalize treatments for all skin tones and their related disorders

SB84

Exploring the photoprotective potential of seaweeds through **alternative methods to animal testing**

Afternoon

14:00-14:30 - Keynote

*The beauty of **green chemistry***

Dr. Julie Zimmerman

SB28

Efficacy of **Indonesia green tea** (camellia sinensis) leaf extract as natural brightening, and anti-acne on human skin: **in-vitro and in-vivo** study

SB37

Automated in-vitro analysis of **UV protection** performance of powder sunscreen products

SB47

Broad-spectrum solar protection (UV-Vis-IR) with **non-nanometric zinc oxide filters**

Auditorium #2

Morning

SE06

Clinical assessment of a skincare formulation in modulating biological mechanisms involved in **skin barrier integrity**

SE22

Advanced facial aging assessment: machine learning in high-resolution imaging for **photoaging prediction**

SE109

Non-invasive multi photon fluorescence lifetime imaging microscopy to assess cosmetic products in vivo

SE32

Two decades of advancements in sun protection factors determination: a comprehensive review and anticipation of future developments in **photoprotection** methods

SE64

Embracing **diversity**: bridging the gap for curly and very curly formulations with in-vitro and machine learning performance **prediction**

SE88

Artificial tactile sensory system and high-precision AI simulation for cosmetic products

SE07

Dynamic sensory evaluation of skin creams during application using temporal dominance of sensation (**TDS**)

Afternoon

SE82

Evaluation of the efficacy of Taurine in **seborrheic dermatitis**: pilot clinical study phase I and II

SE89

Endothelialized **bioprinted skin model** as a platform to assess UV-induced damage

SE90

Biomimetic model: skin equivalent model with inflammation induction

16 :10-16:40 - Keynote

*A novel bio-inspired glycolipid from plant holobiont targeting **atopic-prone skin disorders***

SOLABIA - Caroline Malhaire Delefosse

SE62

In-vivo assessment of dermal fibers by **LC-OCT**: variations with age, ethnicity and after application of skincare cosmetic products

SE97

Artificial intelligence as a tool to **predict cosmetics hydration** properties

SE59

Innovative method to **evaluate sun damage** and future sunscreen products more efficient, safer, and more eco-friendly

Day 4 – October 17th, 2024

Auditorium #1

Morning

FA76

Women over 80: longevity assessed from the perspective of the skin **biophysics, metagenomics and lipidomic**, before and after cosmetic intervention with Brazilian biodiversity ingredients

FA63

Unlocking the role of the **stratum corneum microenvironment** in shaping the dynamics of skin microbiota

Afternoon

14:00-14:30 - Keynote

Protecting and Sustainably Using Our Planet's Biodiversity

Alexandre Antonelli

SB22

Development of an **RGB-Based methodology** for accurate validation of reef safe claim

SB17

Identification of **novel polypeptides** derived from red jasmine rice bran with anti-oxidation and anti-aging benefit

SB43

Oxygenation for skin rejuvenation: a study on the **age-related decline in skin oxygen** levels and the efficacy of a plant-derived oxygen delivery technology

Auditorium #2

Morning

SE99

Sensory evaluation of performance in Pet products (for dogs and cats) using the animal's synthetic stink and dog hair strands

10:00-10:30 - Keynote

*Managing **hyperpigmentation** concerns in the context of skin tone diversity: from mechanisms to solution*

Cristina Garcia, PhD

SE110

Data-driven pipeline for efficient development of bioingredients assisted by **Omics, Bioinformatics and AI** technologies

SE81

Revolutionizing hair claim substantiation: an advanced technology for **multiparametric in-vivo evaluation**

Afternoon

12:00-12:30 - Keynote

Sustainable Beauty: Exploring High-Impact Alternative Methods in Cosmetic Innovation

Dr. Desiree Schuck

SB07

Investigating the mechanism of action of the **anti-aging ability** of Geraniin nano-phytosome

SB61

Study of the mechanism of action and efficacy of **fermented tea seed oil** in improving dry and sensitive skin of the article