



+ JULY 5-6 2022

The scientific
congress
dedicated to

BOOK
ABSTRACTS

COSMETIC MEASUREMENT & TESTING

+ Campus Saint-Christophe
Cergy Pontoise

<https://comet2022.sciencesconf.org/>

SCIENTIFIC PROGRAMME

Tuesday, 5 July

08h30 ☕ WELCOME COFFEE

09h00 🗣️ CONGRESS OPENING

+ Jean-Paul JEANDON, President of Cergy Pontoise Agglomeration
 + Mickaël DECLERCK, Departmental Councillor in charge of employment, Val d'Oise Department
 + Frédéric Vidal, Research Vice-President, CY Cergy Paris-University
 + Marc-Antoine JAMET, President of Cosmetic Valley

TOPIC 1 // FROM RAW MATERIALS TO FINISHED PRODUCTS

Chair / + Nicolas HUANG, Paris-Saclay University / + Martin BARAIBAR, Oxiproteomics

09h25 🗣️ PLENARY: Environmental impact assessment of ingredients and formulas along their life cycle / + Jacques L'HARIDON, L'Oréal

10h05 Characterization of cosmetic films loaded with an encapsulated active molecule: contribution of Confocal Raman Imaging / + Emilie MUNNIER, Tours University

10h25 *In vitro* marine ecotoxicity tests: an innovative method to assess the environmental impact from raw materials to final products / + Stéphanie BARNAY-VERDIER, Sorbonne University

10h45 LIPOCOSM: Advanced normal, pigmented and immunized 3D Bioprinted skin models containing human hair and eyelashes to screen botanical products made by supercritical CO₂ extraction / + Colin MCGUCKIN, CTI Biotech

11h05 📄 BREAK, NETWORKING & POSTERS

11h45 New *in vitro* method for sand resistance assessment of sunscreen products / + Sebastien MIKSA, Helioscreen

12h05 Real-time qPCR to evaluate bacterial contamination of cosmetic cream and the efficiency of protective ingredients / + Chrissie NGARI, Clarins

12h25 Community - Traceability from raw material to finished product through blockchain / + Stéphane CRESSAN, Community / + DNA Gensee

12h45 🍷 LUNCH BREAK: LUNCH (1H15), NETWORKING & POSTERS (30min)

TOPIC 2 // SKIN-PRODUCT-ENVIRONMENT INTERACTIONS

Chair / + Bernard QUERLEUX, L'Oréal / + Thomas RICOUR, NIR Industry - Réseau Mesure

14h30 🗣️ PLENARY: Molecular basis of sunlight's effects on human health / + Antony YOUNG, Faculty of Life Sciences and Medicine, King's College London (KCL)

15h10 A holistic approach to understand the mechanism of action of a cosmetic product / + José LUIS MULLOR, Bionos Biotech

15h30 Innovative tests for hair care products efficacy considering ethnicity / + Andrea CAVAGNINO, Oxiproteomics

15h50 Live cell assays based on LUCS (Light-Up Cell System) technology for the direct and quantitative measure of intracellular antioxidant effect of cosmetic ingredients / + Aurélie FLOCH, Anti Oxidant Power

16h10 📄 BREAK, NETWORKING & POSTERS

16h55 Multimodal approach to study *in vitro*, *in vivo* and *ex vivo* skin models enable characterization of new ceramides subclasses in relation to the skin barrier function / + Joudi BAKAR, Paris Saclay University

17h15 The co-culture of human mature adipocytes and dermal fibroblasts: an innovative *In vitro* system for modelling hypodermis-dermis interactions and for screening compounds on the skin biology / + Linh TRANG NGUYEN, Diva Expertise

17h35 ☕ END OF THE DAY

Wednesday, 6 July

08h30 ☕ WELCOME COFFEE

TOPIC 3 // INSTRUMENTATION AND SENSORY EVALUATION

Chair / + Anne-Marie PENSÉ-LHÉRITIER, FRM GaleSens / + Pierre-Yves JOUBERT, Paris-Saclay University

09h00 🗣️ PLENARY: How do you feel? Tactile perception, its measurement and the effect of aging / + Mark RUTLAND, Chemistry Department, KTH Royal Institute of Technology, Stockholm, Sweden

09h40 Acousto-mechanical multiscale skin metadata using high-frequency ultrasounds combined with nonlinear time reversal imaging / + Serge DOS SANTOS, INSA Centre Val de Loire

10h00 An innovative way to highlight mechanical signature of epidermis stem cell niches by Atomic Force Microscopy / + Sarah MINY, BioMeca

10h20 Design process of cosmetic products: Formalization and optimization / + Sylvia IMBART, École Biologie Industrielle

10h40 📄 BREAK, NETWORKING & POSTERS

11h25 EEG approach in detecting emotions induced by skin care products / + Magali BONNIER, Croda

11h45 Discover how neuro-cosmetics can improve well-being and emotions / + Olivier PAQUATTE, Safic Alcan

12h05 Phase Inversion Temperature Monitoring with Contactless RF Impedancemetry for O/W Emulsion Optimization / + Natacha GUYADER, CY Cergy Paris University

12h20 🍷 LUNCH BREAK: LUNCH (1H15), NETWORKING & POSTERS (30 min)

14h00 Quantitative analysis of Human Stratum Corneum lamellar structure by computational Simulation of Small Angle X-ray Scattering / + Danilo ROSA NUNES, Novitom

14h20 Multiscale delivery platform based on natural bioactive compounds: a promising strategy towards skin healthcare / + Violeta RODRIGUEZ RUIZ, CY Cergy Paris University

TOPIC 4 // SMART AND CONNECTED BEAUTY TOOLS FOR CUSTOMIZATION

Chair / + Alexandre PITTI, CY Cergy Paris / + Pierre-Yves JOUBERT, Paris-Saclay University

14h40 🗣️ PLENARY: At Home testing for the clinical trials in cosmetics / + Thomas NAPPEZ, Connected Physics

15h20 📄 BREAK, NETWORKING & POSTERS

16h05 Digital clinical image analysis for moisturization evaluation / + Elsa HERNANDEZ, Air Liquide

16h20 *In silico* and machine learning / AI approaches for cosmetic safety and efficacy prediction / + Ashwani SHARMA, Jean Idoipe

16h45 Skin beauty Perception and holistic dimension evaluation by A.I / + Samuel RALAMBONDRAINY, LVMH Recherche

17h05 ☕ END OF THE DAY



Gala + evening

SOIRÉE DE GALA

Tuesday, 5 July from 7:00 pm

On registration

SCIENTIFIC COMMITTEE

COMITÉ SCIENTIFIQUE

☀ **Martin BARAIBAR**
Oxiproteomics

☀ **Michel BOISSIERE**
ERRMECe-CY Cergy Paris
Université

☀ **Philippe DEBLAY**
Synchrotron Soleil

☀ **Marc DUBOURDEAU**
Ambiotis

☀ **Amandine GOUBERT**
Cosmetic Valley

☀ **Bérengère GRANGER**
Sisley

☀ **Pascal GRIESMAR**
Cosmetomics Île-de-France

☀ **Michel GRISEL**
Université du Havre

☀ **Nicolas HUANG**
Institut Galien Paris Sud

☀ **Pierre-Yves JOUBERT**
C2N-Université Paris Sud

☀ **Jean Mario JULIEN**
LNE

☀ **Elian LATI**
Laboratoires BIO-EC

☀ **Christophe MASSON**
Cosmetic Valley

☀ **Rime MICHAEL-JUBELI**
Université Paris Sud

☀ **Nicole ORANGE**
Cosmetics Normandie

☀ **Bernard QUERLEUX**
L'Oréal & Président de la
société savante biophysique
et imagerie de la peau

☀ **Anne-Marie PENSE-LHERITIER**
FRM GaleSens

☀ **Alexandre PITTI**
CY Cergy Paris Université

☀ **Alain PONTON**
Université Paris Diderot

☀ **Thomas RICOUR**
Réseau Mesure-NIR

☀ **Elodie RODRIGO-PEREZ**
Polytec

☀ **Olivier ROMAIN**
CY Cergy Paris Université

☀ **Ali TFAYLI**
LIPSYS2 Paris-Sud

☀ **Nadine VALET**
ISIPCA

☀ **Fanny VEAU**
Cosmetic Valley

☀ **Katell VIE**
Clarins

☀ **Henri WALASZEK**
Cetim

☀ **Nicolas WILKIE-CHANCELIER**
SATIE-CY Cergy Paris Université

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COMET 5th edition
2 & 3 JULY 2024

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