

12<sup>TH</sup> International Congress on

VIRTUAL CONGRESS

# SKIN AGEING & CHALLENGES

RECENT ADVANCES & INNOVATIONS



  
INTERNATIONAL  
SOCIETY OF  
MICROBIOTA

NOVEMBER 10-12, 2021

**Dear Colleagues,**

The scientific committee is delighted to announce to you their newest edition concerning Skin Topics. The 12th International Conference on **Skin Ageing and Challenges** will be held on November 10-12, 2021, in Lisbon & Virtually. Skin Challenges 2021 is organized under the patronage of the International Society of Microbiota (ISM).

Kindly note that all communications and talks will be recorded and will be added on our platform.

Regardless of the fact that the conference will be partly held online, we promise to keep you entertained with our educational sessions delivered by the best speakers.

During Skin Challenges 2021, the Scientific Committee will allocate significant time to discuss the latest advances related to skin homeostasis and ageing. Our objective is to provide answers and to give a future vision and trends on: how can the current researches delay the side effects of ageing and skin ageing?

As in previous years, a strong focus will be again to foster the exchange between academia, basic research and industry, and applied research. We will also provide more time and space to present the recent innovations, biotechnology products and devices.

During both days, many oral and poster communications will be presented and will cover many hot topics. A workshop dedicated to [Skin Microbiota](#) will be organized on November 10 2021. Among the sessions that will be discussed:

- *Skin Ageing, Regeneration & Wound Healing – State of the Art & Perspectives*
- *Skin Microbiota – Recent Scientific Advances*
- *Lifestyle, Diet and Skin Ageing: The Inside Beauty*
- *Artificial Intelligence & Skincare*
- *Skin Challenges 2021 Innovations*

As always, we are very much looking forward to meeting you in-person & online.



**Prof. Jean Krutmann,**  
President of Skin Ageing & Challenges 2021,  
IUF – Leibniz Research Institute for  
Environmental Medicine,  
Leibniz, Germany



12<sup>nd</sup> International Conference on

## Skin Ageing & Challenges 2021

November 10-12, 2021 – Lisbon, Portugal, & Online

November 10, 2021

### How to Evaluate Skin Microbiota 2021 Workshop?

9h00 am – 1h00 pm

- *General introduction to the skin microbiota*
- *Involvement of the microbiota in skin pathologies*
- *How to study microbiota and skin microbiota?*
- *The manipulation of microbial communities*
- *How to prepare and launch your range of cosmetic products?*



**Florence Abdallah,**  
*University of Paris Sud – INSERM 1184, France*

For full agenda, registration, and information, please follow this link

SKIN WORKSHOP



## Congress Programme Day 1: November 11, 2021

### Welcome Note & Introduction Remarks

9:00 am



**Prof. Jean Krutmann,**

*President of Skin Challenges 2021, Leibniz Research Institute for Environmental Medicine, Germany*

### Session 1: Skin Ageing, Regeneration & Wound Healing – State of the Art & Perspectives

9:10 am



**Skin Ageing: It's Structural Basis and Why It Matters**

*George F. Murphy, Harvard Medical School, USA*

09:40 am



**A Single-Cell Transcriptomic Atlas of Human Skin Ageing**

*Weiqi Zhang, Chinese Academy of Sciences, China*

10:10 am



**Ethnic Skin Ageing**

*Paul Matts, Victor Mills Research Fellow at Procter & Gamble, USA*

10:40 am



**Dysbiosis on the Healed Site of Pressure Injuries: Possible Implication for Pressure Injury Recurrence**

*Kazuhiro Ogai, Kanazawa University, Japan*

11:10 am

**Coffee Break**

11:30 am



**MicroRNAs as Attractive Biological Targets for Cutaneous Remodeling**

*Elodie Henriet, CNRS, University of Orléans, France*

12:30 pm



**Targeting Cellular Senescence Based on Interorganelle Communication, Multilevel Proteostasis, and Metabolic Control**

*Maria Amália Cavinato Nascimento, Leopold Franzens Universität Innsbruck, Austria*

1:00 pm

**Short Oral Presentations**



# SKIN AGEING & CHALLENGES

November 10-12, 2021 - Lisbon & Online



1:30 pm

**Lunch Break**

2:30 pm



**Challenges of COVID-19 pandemic for dermatology**

*Uwe Wollina, Academic Teaching Hospital, Germany*

3:00 pm



**Skin Aging and Fibroblast Features with a Focus on Mechanical Forces**

*Laurence Michel, Hôpital Saint Louis, Paris, France*

3:30 pm



**Human Skin Aging is Associated with Increased Expression of the Histone Variant H2A.J in the Epidermis**

*Claudia E. Rübe, Saarland University Hospital, Germany*

4:00 pm

**Short Oral Presentations (6 slots)**

5:00 pm

**Coffee Break**

## Session 2: Skin Microbiota – Recent Scientific Advances

5:15 pm



**New Results for the Skin Microbiome Study**

*Shigefumi Okamoto, Institute for Frontier Science Initiative, Kanazawa University, Japan*

5:45 pm

**Early Melanoma Invasivity Correlates with Gut Fungal and Bacterial Profiles:  
The Gut Microbiome Skin Connection**

*Duccio Cavalieri, University of Florence, Italy*

6:15 pm

**Short Oral Presentations (4 slots)**

6:50 pm

**End of the First Day**





# SKIN AGEING & CHALLENGES

November 10-12, 2021 - Lisbon & Online



## Congress Programme Day 2: November 12, 2021

### Session 3: Lifestyle, Diet and Skin Aging: The Inside Beauty

9:00 am	 <b>Ironing Out Skin Photoageing with Multifunctional Bio-Inspired Molecules</b> <i>Charareh Pourzand, University of Bath, United Kingdom</i>
9:30 am	 <b>UV Exposure – Major Skin Ageing Factor</b> <i>Jean-François Doré, Emeritus Research Director at INSERM, France</i>
10:00 am	 <b>Effects of Iron-Rich Diets, Cigarette Smoking, Color Cosmetics, and Genetic Disease Such as Hemochromatosis and Hemophilia Impact on Skin Aging.</b> <i>Xi Huang, i-On Skincare, USA</i>
10:30 am	 <b>Pollution and Skin: Advances and Perspectives</b> <i>Laurent Marrot, L'OREAL, France</i>
11:00 am	<b>Short Oral Presentations (6 Slots)</b>
12:00 pm	<b>Coffee Break</b>

### Session 4: Artificial Intelligence & Skincare

12:15 pm	<b>Speakers TBD</b>
1:15 pm	<b>Lunch Break</b>
2:15 pm	<b>Short Oral Presentations (3 slots)</b>

# SKIN AGEING & CHALLENGES

November 10-12, 2021 - Lisbon & Online



## Session 5: Skin Challenges 2021 Innovations

2:45 pm



**Updated Treatment for Acne: Targeted Therapy Based on Pathogenesis**

*Ichiro Kurokawa, Meiwa Hospital, Japan*

3:15 pm



**Halal Cosmetic: Concept and Challenges**

*Fatin Nur Majdina Nordin, University Malaya Halal Research Centre, Malaysia*

3:45 pm



**Advancements of Electronic Bandage for Accelerated Skin Wound Healing**

*Xudong Wang, University of Wisconsin-Madison, USA*

4:15 pm

**Short Oral Presentations (6 slots)**

5:15 pm

**Awards**

5:30 pm

**End of Skin Ageing & Challenges 2021**