12TH International Congress on INTERACTIVE ONLINE CONGRESS **Skin Ageing a Challenges**

RECENT ADVANCES & INNOVATIONS

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, as an Interactive Online meeting, with sessions dedicated to Live Discussion with speakers and attendees. 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
- Skin Challenges 2021 Innovations

As always, we are very much looking forward to meeting you.



Prof. Jean Krutmann,

President of Skin Ageing & Challenges 2021, IUF – Leibniz Research Institute for Environmental Medicine, Leibniz, Germany

SKIN AGEING & CHALLENGES

November 10-12, 2021 - Virtual Interactive Congress



12nd International Conference on

Skin Ageing & Challenges 2021

November 10-12, 2021 – Interactive Online Conference

November 10, 2021

How to Evaluate Skin Microbiota 2021 Workshop?

2h00 pm – 5h30 pm Paris Time

- 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, Workshop Report, and information, please follow this link

SKIN WORKSHOP

SKIN AGEING & CHALLENGES

November 10-12, 2021 - Virtual Interactive Congress





Senolytics: The Path to Translation James Kirkland, Mayo Clinic Robert and Arlene Kogod Center on Aging, USA



Pollution and Skin: Advances and Perspectives Laurent Marrot, Hôpital Saint Louis, Paris, France



Ironing Out Skin Photoageing with Multi Functional **Bio-Inspired Molecules** Charareh Pourzand, University of Bath, United Kingdom



UV Exposure, a Major Skin Ageing Factor Jean-Francois Doré. Emeritus Research Director at INSERM, France



How to Collect Skin Bacterial Flora on Fragile Skin: Practical Aspects of Medical Film Dressings and Strategies Shigefumi Okamoto, Kanazawa University, Japan



Advancements of Electronic Bandage for Accelerated Skin Wound Healing Xudong Wang. University of Wisconsin-Madison, USA



Challenges of Covid-19 Pandemic for Dermatology Uwe Wollina,

Academic Teaching Hospital, Germany

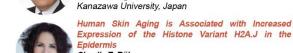


University of Florence, Italy

Cutaneous Microbiome, Seborrheic Dermatitis and Skin Aging Luba Prado Cortes, Erasmus University, Rotterdam, the Netherlands

UV Radiation and the Microbiome of the Skin Peter Wolf. Medical University of Graz, Austria

Skin Aging in Indians Living in Highly Polluted Areas Pia Jahan. IUF-Leibniz Research Institute for Environmental Medicine, Germanv



Skin Ageing & Challenges 2021 Speakers

Epidermis Claudia E. Rübe, Saarland University Hospital, Germany

Recurrence Kazuhiro Ogai,

Dysbiosis on the Healed Site of Pressure

Injuries: Possible Implication for Pressure Injury



Effects of Iron-Rich Diets, Cigarette Smoking, Color Cosmetics, and Genetic Disease such as Hemochromatosis and Hemophilia Impact on Skin Aging Xi Huang, i-On Skincare, USA



Halal Cosmetic: Concept and Challenges Fatin Nur Majdina Nordin, University Malaya Halal Research Centre, Malaysia

MicroRNAs as Attractive Biological Targets for **Cutaneous Remodeling** Elodie Henriet. CNRS, University of Orléans, France





on Pathogenesis Ichiro Kurokawa, Meiwa Hospital, Japan



Communication, Multilevel Proteostasis, and Metabolic Control Maria Amália Cavinato Nascimento, Leopold Franzens Universität Innsbruck, Austria

Targeting Cellular Senescence Based on Interorganelle



Skin Ageing: It's Structural Basis and Why It Matters George F. Murphy, Harvard Medical School, USA

Granzymes in Epithelial Barrier Disruption and Disease David Granville, University of British Columbia, Canada



Skin Anti-Aging Effects of Resveratrol: Recent Studies and Perspective Ali Shahmoradi,

MedSkin Solutions Dr. Suwelack AG, Germany

Nanomaterials and Natural Compounds in Skin Regeneration and Rejuvenation Margherita Maioli,

Department of Biomedical Sciences University of Sassari, Italy

Polyamines: Essential Regulators of Epidermal Function Leah Vardy.



Skin Research Institute of Singapore, Singapore



Skin Ageing & Challenges

November 10-12, 2021 - Interactive Online

SKIN AGEING & CHALLENGES

November 10-12, 2021 - Virtual Interactive Congress



Congress Programme Day 1: November 11, 2021

Welcome Note & Introduction Remarks



9:10 am

09:40 am

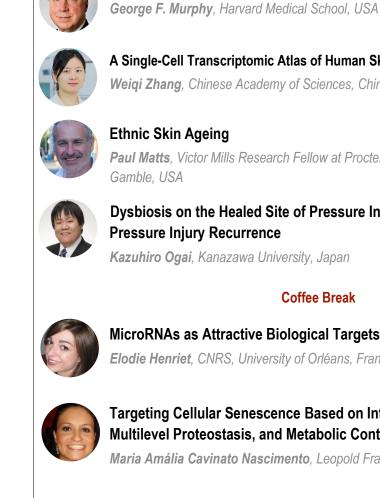


Prof. Jean Krutmann,

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

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

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



A Single-Cell Transcriptomic Atlas of Human Skin Ageing Weigi Zhang, Chinese Academy of Sciences, China



Ethnic Skin Ageing Paul Matts, Victor Mills Research Fellow at Procter & Gamble, USA

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

Kazuhiro Ogai, Kanazawa University, Japan

11:10 am

10:40 am

11:20 am

MicroRNAs as Attractive Biological Targets for Cutaneous Remodeling Elodie Henriet, CNRS, University of Orléans, France

Coffee Break

11:50 am

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

Maria Amália Cavinato Nascimento, Leopold Franzens Universität Innsbruck, Austria

12:20 pm		Study of Oxidative Stress Under the True Oxygenation of The Skin, Physioxia Nedira Chettouh-Hammas, Center for Molecular Biophysics, CNRS UPR 4301, France	
12:30 pm		Lunch Break	
12:40 pm		Senolytics: The Path to Translation James Kirkland, Mayo Clinic Robert and Arlene Kogod Center on Aging, USA	
1:10 pm	6	Challenges of COVID-19 pandemic for dermatology Uwe Wollina, Academic Teaching Hospital, Germany	
1:40 pm	P	Human Skin Aging is Associated with Increased Expression of the Histone Variant H2A.J in the Epidermis Claudia E. Rübe, Saarland University Hospital, Germany	
2:10 pm		Granzymes in Epithelial Barrier Disruption and Disease David Granville, University of British Columbia, Canada	
2:40 pm	6	Polyamines: Essential Regulators of Epidermal Function Leah Vardy, Skin Research Institute of Singapore, Singapore	
Session 2 : Skin Microbiota – Recent Scientific Advances			
3:10 pm		New Results for the Skin Microbiome Study Shigefumi Okamoto, Institute for Frontier Science Initiative, Kanazawa University, Japan	
3:40 pm	are)	Early Melanoma Invasivity Correlates with Gut Fungal and Bacterial Profiles: The Gut Microbiome Skin Connection Duccio Cavalieri, University of Florence, Italy	
4:10 pm		Cutaneous Microbiome, Seborrheic Dermatitis and Skin Aging Luba Prado Cortes, Erasmus University in Rotterdam, the Netherlands	

4.40 pm



UV Radiation and the Microbiome of the Skin Peter Wolf, Medical University of Graz, Austria

5:10 pm

Coffee Break

Poster Presentations

Available on the platform at your convenience

Lipophilic Yeasts as Etiological Factors of Pityriasis Versicolor and Components of Typical Skin Mycobiome – Case Study

Mariusz Dyląg, University of Wroclaw, Poland

The Role of Melanocytes in Skin Pigmentation, Senescence, and Skin Aging Induced by Exposure to Environmental Stressors

Ines Martic, University of Innsbruck – Institute for Biomedical Aging Research, Austria

Keratin-Butyrate Scaffolds Accelerate Skin Wound Healing in Diabetic Rats

Piotr Konopelski, Medical University of Warsaw, Poland

5:20 pm – 7:00 pm Paris time

Interactive Live Discussion & Networking of Day 1

Dedicated to Questions & Networking with All Speakers

SKIN AGEING & CHALLENGES

November 10-12, 2021 - Virtual Interactive Congress



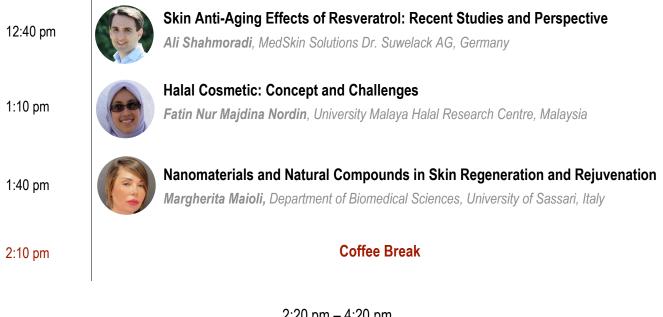
Congress Programme Day 2: November 12, 2021

Session 3: Lifestyle, Diet and Skin Aging: The Inside Beauty			
9:00 am		Ironing Out Skin Photoageing with Multifunctional Bio-Inspired Molecules Charareh Pourzand, University of Bath, United Kingdom	
9:30 am		UV Exposure – Major Skin Ageing Factor Jean-François Doré, Emeritus Research Director at INSERM, France	
10:00 am		Effects of Iron-Rich Diets, Cigarette Smoking, Color Cosmetics, and Genetic Diseas Such as Hemochromatosis and Hemophilia Impact on Skin Aging Xi Huang, i-On Skincare, USA	
10:30 am		Pollution and Skin: Advances and Perspectives Laurent Marrot, L'OREAL, France	
11:00 am		Skin Aging in Indians Living in Highly Polluted Areas Pia Jahan, IUF-Leibniz Research Institute for Environmental Medicine, Germany	
11:30 am		Coffee Break	
Session 4: Skin Challenges 2021 Innovations			
11:40 am		Updated Treatment for Acne: Targeted Therapy Based on Pathogenesis Ichiro Kurokawa, Meiwa Hospital, Japan	
		Advancements of Electronic Bandage for Accelerated Skin Wound Healing	

12:10 pm



Advancements of Electronic Bandage for Accelerated Skin Wound Healing Xudong Wang, University of Wisconsin-Madison, USA



2:20 pm – 4:20 pm Short Oral Presentations

Reduction of the Skin Biological Age and Improvement in Skin Health Markers by a Senotherapeutic Peptide Juliana Lott, Catholic University of Brasilia, Brazil

Exploring Hydroalcoholic Kiwiberry Leaves Extract as a New and Sustainable Cosmetic Ingredient Ana Margarida Silva, Polytechnic of Porto, Portugal

Hybrid Layer of Chitosan-TiO₂-Hyaluronic Acid as a Potential Wound Dressing/Skin Substitute Agnieszka Ewa Wiącek, Maria Curie-Skłodowska University, Poland

Keratin-Biphalin Scaffold Accelerate Skin Wound Healing in Diabetic Mice *Marek Konop*, *Medical University of Warsaw*, *Poland*

UVA Photoprotective Effect of Adenine Derivate Kinetin and its Derivatives on Normal Human Dermal Fibroblasts **Denisa Skarupova**, Palacký University Olomouc, Czech Republic

T Cells with Dysfunctional Mitochondria Induce Premature Skin Aging

Elisa Carrasco, Universidad Autónoma de Madrid, Spain

Mitochondria-Targeted Antioxidants Based on Hydroxycinnamic and Hydroxybenzoic Acids as Potential Candidates to Prevent Skin Ageing José Feliciano Duarte, Mitotag, Portugal

Cream for Skin Barrier Restoration Eva Moreino, Riga Stradins University, Latvia

Diagnostic In Vivo Covid 19 Virus Antibody Sensing by Using Synthetic Mimic Skin Tattoo Virtual Circuit *Sihyun Jun*, *Biosensor Research Institute Seoul Korea*, *Korea*

In Vivo Bio Assay of Artificial Skin Sensor for SARS Virus Detection

Dong Ho Kim, Korea Institute of Radiological and Medical Sciences, Korea

Voltammetric Corona Virus Detection using Antigen Antibody Ionic Skin Sensor

Hyeon Jeong Park, Biosensor Research Institute Seoul Korea, Korea

Tattoo Skin Sensing for Biological In Vitro and In Vivo Assay

Katlynn Ryu, Joongbu University Department of Bio-Cosmetics, Korea

4:30 pm – 6:00 pm Paris time

Interactive Live Discussion & Networking of Day 2

Dedicated to Questions & Networking with All Speakers

10

6:00 pm – End of Skin Ageing & Challenges 2021