

# Agenda

16<sup>th</sup> International Congress

**Skin**  
CHALLENGES

Rethinking Skin Ageing

November 11-12, 2025 - Valencia, Spain

# 16<sup>th</sup> International Congress Skin Ageing and Challenges

November 11 - 12, 2025 – Valencia, Spain

## Agenda

Day 1 – November 11, 2025

### Materials Distribution & Welcome Coffee



#### Welcome Note of Skin Ageing & Challenges 2025

Jean Krutmann, President of Skin Challenge 2025,

### Keynote Presentation



#### Epigenetic Regulation of Skin Ageing-Associated Genes in Short-Lived and Long-Lived Mammals

Vladimir A. Botchkarev, Boston University School of Medicine, USA

### Session 1: Senolytic & Senomorphic Agents: Impact on Rejuvenation

Moderator



#### Skin Senescence as a Driver of Whole-Body and Brain Ageing and How to Intervene

Cláudia Cavadas, University of Coimbra, Portugal



#### The Role of Natural Killer Cells in Skin Ageing – Perspective of a novel senolytic approach

Karin Scharffetter-Kochanek, Universitätsklinikum Ulm, Germany



#### Senescence in Ageing Skin: A New Focus on mTORC1 and the Lysosome

Bernadette Carroll, University of Bristol, United Kingdom

### Session 2: Innovative Approaches for Skincare and Longevity

Moderator



#### Leveraging Circadian Plasma Proteomics to Detect Ageing-induced changes in Skin Architecture

Thomas Mortimer, Institute for Research in Biomedicine, Spain



#### Targeting Skin Cell Senescence: Approaches and Strategies

Manuel Collado, Instituto de Investigación Sanitaria de Santiago de Compostela, Spain



#### Nanotechnology and Nanosystems: Detecting and Targeting Senescent Cells

Ramon Martinez Mañez, Universidad Politécnica de Valencia, Spain

Short oral presentations (8 slots) – Abstracts Submission is open

18h00 End of Day 1



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Day 2 – November 12, 2025

### Session 3: Skin Ageing 2025: Recent Advances and Mechanistic Insights

Moderator



**The Fire Within: Inflammaging, Skin Health, and the Next Generation of Anti-Aging**  
*Christopher Griffiths, University of Manchester & King's College Hospital, United Kingdom*



**Targeting Staphylococcus Aureus: A novel therapeutic Approach for skin microbiome recovery and regeneration**  
*Mathew Hardman, Hull York Medical School, United Kingdom*



**Impact of Biomechanical Changes on Skin Aging: Current Advances and Future Perspectives**  
*Costanza Giampietro, Swiss Society for Microcirculation and Vascular Research, Switzerland*



**Protein Homeostasis and Aging: Advances, Detection and Innovations**  
*Sebastian Iben, Universitätsklinikum Ulm, Germany*

### Session 4: Industrial and Academic Innovations: The Challenge of Translation, Next-Gen Biomaterials, and Smart Skincare

Moderator



**Nanotechnology and Nanosystems: Detecting and Targeting Senescent Cells**  
*Ramon Martinez Mañez, Universidad Politécnica de Valencia, Spain*

**Short oral presentations (6 slots) – Abstract submission is open**

**The First Facial Aging Phenotype Trained DNA Methylation Aging Clock**  
*Ryan Smith, TruDiagnostic, USA*

**The Skin Microbiome and Skin Aging: Experimental Models for Investigating Dermo-Cosmetic Interventions**  
*Patricia Martin, Vibiosphen, France*

**Hormonal Harmony for Ageless Skin: Mapping the Estrogen–Testosterone–Cortisol Axis in Skin Aging**  
*Rajoli Brahmananda Reddy, Vernon Skin & Hair Clinics / Genoryx Longevity India, India*

**Call for Innovations**

**Short Oral Presentations & Pitch on Polyphenols Innovations (8 + 2 min)**

**Concluding Remarks**

**Skin Ageing & Challenges 2025 Awards**

**16h30 End of Skin Ageing & Challenges 2025**

