



Satellite Symposia Series with leading experts in skin & hair science

Wednesday  
June  
10

# New Insights into Skin Ageing and Skin Health Using Systems Biology

17.00 to 19.00 - Vancouver Convention Centre - West 301

Chair: Professor Alexa Kimball MD, MPH,  
Harvard Medical School & Massachusetts General Hospital, Boston, USA

Co-Chair: Dr. Frauke Neuser PhD, Procter and Gamble, Cincinnati, USA

Faculty/Speakers: Professor Alexa Kimball MD, MPH,  
Harvard Medical School & Massachusetts General Hospital, Boston, USA  
Dr. Ilya Shmulevich PhD, Institute for Systems Biology, Seattle, USA  
Dr. Pearl Grimes MD, Vitiligo & Pigmentation Institute, Los Angeles, USA  
Professor Leihong Xiang MD, PhD, Huashan Hospital, Shanghai Medical College, Fudan University, China  
Dr. Rosemarie Osborne PhD, Procter and Gamble, Cincinnati, USA

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## Summary

Systems Biology is a dynamic area of research that originated in the biomedical field but also offers great potential for unprecedented insights into skin function. This symposium will provide an overview of latest Systems Biology advances and share new fundamental research – including comparative analysis of molecular pathways across ages and ethnicities – that deepen our understanding of skin health and ageing. We will discuss how P&G is applying Systems Biology tools to create new models that help predict skin's behaviour and identify new bioactives that can be used to create proven and effective technologies beneficial to both Dermatologists and patients.

## Learning objectives

This symposium explores the area of systems biology; it's applied role in decoding skin health & skin aging and creating the most effective solutions to model, predict & manage skin's behaviour and appearance.

- Have a better understanding of the principals of systems biology and bioinformatics and their application to skin research and clinical studies.
- Have new insights into the molecular pathways of skin health and aging across a cohort of women of widely differing ages, and the research programs being developed to identify bioactives designed to address skin health and aging in holistic ways.
- Gain enhanced knowledge of the similarities and differences of skin aging across multiple ethnicities and how they should be taken into account when dealing with patients in the clinical situation
- Learn about new research into the role of microRNA – its targets and impact on skin ageing - revealed in a new microRNA age-dependency study comparing young and aged skin biopsy samples using Systems Biology tools.

Refreshments served at each symposium. Be sure to visit the P&G exhibition booth to learn more about our brands and the science behind them and receive your personal trial samples.