

International Society for Biophysics and Imaging of the Skin

Skin: Surface to Depth

May 1-4, 2018

At

Kimpton Solamar, San Diego

435 6TH AVENUE, SAN DIEGO, CA 92101

Hotel: (619) 819-9500

www.regonline.com/isbs2018



Program

Tuesday May 1st

Pre-Congress Hands-on Workshops

12:00-17:00
12:00-12:30 Registration
12:30-13:30 Lunch and Orientation
Barrier Function: Jonn Damia
Mechanical Properties: Randy Wickett
Colorimetry: Neelam Muizzudin
Hydration: Tim Houser

18:00 Reception on the rooftop terrace: All participants of the ISBS-World congress

Wednesday May 2nd

8:15-9:00 Breakfast
9:00-9:15 Formal Opening: Bernard Querleux and Joachim Fluhr

Plenary I: Delivery of active ingredients

9:15-10:00 Keynote Lecture: Samir Mitragotri (Harvard Univ.): Overcoming the barrier
10:00-10:15 Screening Transdermal Patch Compositions to Optimize Delivery
10:15-10:30 Mechanisms of anionic surfactant penetration into human skin (Kligman Travel Award Winner)
10:45-11:15 Coffee break and visit to posters and exhibits

Avadhesh S. Kushwaha
Stephanie Ventura

Plenary II: Neonatal Skin: In honor of Steven B. Hoath

11:15-11:45 Nature's Multi-Functional Skin Cream: Vernix Caseosa
11:45-12:00 Digital Image Analysis Reveals Features of Neonatal Skin Condition After Oil Massage in the Community Setting of Rural Nepal
12:00-12:15 Objective assessment of dry skin roughness in a pediatric population
12:15-12:45 In Honor of Steven B Hoath
12:45-14:00 Lunch

Vivek Narendran
Marty Visscher
Gaëtan Boyer

Plenary III A Barrier function and hydration

14:00-14:45 Keynote speaker: Joachim Fluhr (Charité Universitätsmedizin): Atopic dermatitis and the barrier
14:45-15:00 Skin barrier impairment due to occlusion by firefighter clothing
15:00-15:15 In vivo confocal microscopy: from the optical biopsy of the stratum corneum to the quantification of the barrier function
15:15-15:45 Coffee break and visit posters and exhibits

Wilbert van den Eijnde
Pauline Tinguely

Plenary III B (Stratum corneum hydration)

15:45-16:30 Keynote Lecture: Prof. Hiraó: Application of corneocyte analysis
16:30-16:45 Capacitance Imaging of Barrier Disruption
16:45-17:00 Skin barrier function: impact of the skin "very" aging on stratum corneum lipids organization and water content in vivo
17:00-17:15 Characterizing skin hydration dynamics of human skin using confocal Raman microscopy
17:30-19:00 General Assembly

Tim Houser
Aline Rigal
Hequn Wang

Thursday May 3rd

8:15-9:00 Breakfast
Plenary IV A: Skin Imaging: In Honor of Nick Koliás
9:00-9:45 Lifetime achievement introduction lecture: Gopi Menon
9:45-10:00 A Novel Method to Measure Skin Mechanical Properties with Three-Dimensional Digital Image Correlation
10:00-10:15 Characterization and statistical modeling of facial skin radiance in senior women
10:15-10:30 Skin Surface Oiliness & Shine Measurement using Polarized Images
10:30-11:00 Coffee break and visit to posters and exhibits
Plenary IV B: Skin Imaging
11:00-11:45 Key note lecture: Chilhwon Oh, University of Seoul: From image analysis to molecular imaging
11:45-12:00 A Method to characterize age-related changes in fiber orientation and density of multiphoton microscopy images
12:00-12:15 Characterization of Fitzpatrick Skin Types I-III for UV Tolerance and Extrinsic Aging Using Classical and Computer Generated Modalities
12:15-12:30 The relationship of skin color parameters and the perception of skin brightness
12:30-13:30 Lunch

Zhequan Xu
Virginie Hourblin
Sachin Patwardhan

Plenary V : Claim Support and Science-based marketing

13:30-14:15 Key note lecture: Kavssery Ananthapadmanabhan, Cosmetic and personal care product claims: Facts and Fiction
14:15-14:30 Cross polarized UVA photography for the imaging of sunscreens
14:30-14:45 Removal of Contaminants with Hand Washing and Drying
14:45-15:00 Improving Stratum Corneum Barrier Function Through High Lipid Deposition from Rinse-off Cleansers: Skin Biomarker Measures
15:00-15:30 Coffee break and visit poster and exhibits
15:30-15:45 Dynamic Thermal Imaging on Actinic Keratosis (Kligman Travel Award Winner)
15:45-16:00 Body measurement, possibilities & limitations
16:00-16:15 A Cross-Sectional Multiethnic Multicountry Study on the Prevalence of Visible Facial Skin Pores
16:15-16:30 Investigate and visualize the skin barrier alterations associated with environmental stresses (UV, ozone) by FTIR Spectroscopy and FTIR
16:30-16:45 In vivo breast skin imaging using multiphoton tomography
16:45-17:00 Non-invasive LED-based measurement of the sun protection factor Using OCT to Detect Changes in Epidermal Thickness after Application of Topical Cosmetic Products
17:00-17:15
18:30 Boat Cruise; Boarding 18:30-19:00

Jonathan M Crowther
Martha Tate
Lijuan Li
Jaeyoung Kim
Jean-Jacques Servant
Rong Kong
Samuel Gourion-Arsiquaud
Ana Batista
Martina Meinke
Lily Jiang

Friday May 4th

8:15-9:00 Breakfast
Plenary VI A: New devices, new models and new metrics
9:00-9:30 Opening lecture: Multiphoton imaging of Stem Cells in Hair Follicles
9:30-9:45 The dermal-epidermal junction - revisited R. Voegeli (Ritter Award Winner 2016)
9:45-10:00 Multi-scale Identification of cutaneous tension by a folding model and elastic wave propagation
10:00-10:15 Development and validation of a non-invasive spatially resolved spectroscopy probe for collagen and water determination
10:15-10:30 The evolution of gender effect on static and active tactile perception over age
10:30-10:45 Nanoscale quantification of the stratum corneum based on optical coherence tomography coupled with statistical decision theory
10:45-11:15 Coffee break and visit posters and exhibits
Plenary VI B: New devices, new models and new metrics
11:15-11:30 A Deep-Learning Strategy for Automated Detection and Localization of Skin Vasculature with Application to Basal Cell Carcinoma Classification
11:30-11:45 Application of reflectance microscopa in the skin photoaging of young men (Kligman Travel Award Winner)
11:45-12:00 Closing remarks and awards
12:00-12:15 Attribution of Best Poster Award
Attribution of the Johann Wilhelm Ritter Award for Skin Imaging

Karsten Koenig
Rainer Voegeli
Hassan Zahouani
Thomas Nappez
Abdenaceur Abdouni
Bernard Querleux

Pegah Kharazmi
Victor Hugo Pacagnelli Infante

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