

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	Registration
12:00-12:30	Lunch and Orientation
12:30-13:30	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	Avadhesh S. Kushwaha
10:15-10:30	Mechanisms of anionic surfactant penetration into human skin (Kligman Travel Award Winner)	Stephanie Ventura
10:45-11:15	Coffee break and visit to posters and exhibits	

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

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

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	Wilbert van den Eijnde
15:00-15:15	In vivo confocal microscopy: from the optical biopsy of the stratum corneum to the quantification of the barrier function	Pauline Tinguely
15:15-15:45	Coffee break and visit posters and exhibits	

Plenary III B (Stratum corneum hydration)

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

Thursday May 3rd

8:15-9:00	Breakfast	
	Plenary IV A: Skin Imaging: In Honor of Nick Kolias	
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	Zhequan Xu
10:00-10:15	Characterization and statistical modeling of facial skin radiance in senior women	Virginie Hourblin
10:15-10:30	Skin Surface Oiliness & Shine Measurement using Polarized Images	Sachin Patwardhan
10:30-11:00	Coffee break and visit to posters and exhibits	

Plenary IV B: Skin Imaging

11:00-11:45	Key note lecture: Chilwan 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	Hequn Wang
12:00-12:15	Characterization of Fitzpatrick Skin Types I-III for UV Tolerance and Extrinsic Aging Using Classical and Computer Generated Modalities	Michael Anthonavage
12:15-12:30	The relationship of skin color parameters and the perception of skin brightness	Rong Kong
12:30-13:30	Lunch	

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	Jonathan M Crowther
14:30-14:45	Removal of Contaminants with Hand Washing and Drying	Martha Tate
14:45-15:00	Improving Stratum Corneum Barrier Function Through High Lipid Deposition from Rinse-off Cleansers: Skin Biomarker Measures	Lijuan Li
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)	Jaeyoung Kim
15:45-16:00	Body measurement, possibilities & limitations	Jean-Jacques Servant
16:00-16:15	A Cross-Sectional Multiethnic Multicountry Study on the Prevalence of Visible Facial Skin Pores	Rong Kong
16:15-16:30	Investigate and visualize the skin barrier alterations associated with environmental stresses (UV, ozone) by FTIR Spectroscopy and FTIR	Samuel Gourion-Arsiquaud
16:30-16:45	In vivo breast skin imaging using multiphoton tomography	Ana Batista
16:45-17:00	Non-invasive LED-based measurement of the sun protection factor	Martina Meinke
17:00-17:15	Using OCT to Detect Changes in Epidermal Thickness after Application of Topical Cosmetic Products	Lily Jiang
18:30	Boat Cruise; Boarding 18:30-19:00	

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	Karsten Koenig
9:30-9:45	The dermal-epidermal junction - revisited R. Voegeli (Ritter Award Winner 2016)	Rainer Voegeli
9:45-10:00	Multi-scale Identification of cutaneous tension by a folding model and elastic wave propagation	Hassan Zahouani
10:00-10:15	Development and validation of a non-invasive spatially resolved spectroscopy probe for collagen and water determination	Thomas Nappiez
10:15-10:30	The evolution of gender effect on static and active tactile perception over age	Abdenaceur Abdouni
10:30-10:45	Nanoscale quantification of the stratum corneum based on optical coherence tomography coupled with statistical decision theory	Bernard Querleux
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	Pegah Kharazmi
11:30-11:45	Application of reflectance microscopa in the skin photoaging of young men (Kligman Travel Award Winner)	Victor Hugo Pacagnelli Infante
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	

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