



**WORLD CONGRESS OF THE
INTERNATIONAL SOCIETY FOR BIOPHYSICS
AND IMAGING OF THE SKIN
28 – 30 NOVEMBER 2012
COPENHAGEN, DENMARK**

FINAL PROGRAMME

<http://www.isbs-copenhagen.ics.dk/ISBS.swf>

WEDNESDAY, 28 NOVEMBER 2012

09:15 - 09:20

WELCOME

Hall A

by the Honorary Congress President Gert Erik Nilsson, (Sweden)

09:20 - 10:45

FO1

ISBS Free Presentations COSMETIC SCIENCE

Hall A

Chairs: Peter Clarys, (Belgium) & Stacy Hawkins, (USA)

09:20 - 09:32

FO1.01

Image analysis and correlates of facial wrinkles in a cohort of women: preliminary data from a retrospective analysis
Stephen Schwart, (USA), S Kligman, R Frumento

09:32 - 09:44

FO1.02

Determination of the sebum captation factor of the Sebumeter method: effect of application pressure
André Barel, (Belgium), R Divisova, P Clarys

09:44 - 09:56

FO1.03

Biomechanical assessment of the skin using multilayer approach
Gaëtan Boyer, (France), M Ben Tkaya, M Pericoi

09:56 - 10:08

FO1.04

Estimation of sweat production during exercise at two intensities using the AquaFlux instrument
Peter Clarys, (Belgium), R Clijsen, A Barel

10:08 - 10:20

FO1.05

Analysis of human eccrine sweat gland patterns using the SkinChip
Gary Grove, (USA), B Naimoli, T Houser

10:20 - 10:32

FO1.06

Noninvasive assessment of human skin plastic reserves
Lyudmila Grebenyuk, (Russian Federation)

10:32 - 10:44

FO1.07

Objective skin softness measurement: Acouskin method
Gaëtan Boyer, (France), M Ben Tkaya, M Pericoi

10:45 - 11:00

COFFEE BREAK

11:00 - 12:30

FO1

ISBS Free Presentations COSMETIC SCIENCE (CONT.)

Hall A

Chairs: Peter Clarys, (Belgium) & Stacy Hawkins, (USA)

11:00 - 11:12

FO1.08

Wettability and friction coefficient : *in vivo* and *in vitro* study
A Elkhyat, (France), F Fanian, T Lihoreau, A Guichard, S Mac-Mary, J-M Sainthillier, A Jeudy, Philippe Humbert

11:12 - 11:24

FO1.09

Friction heel blisters: the effect of hydration on the risk of blister
Farina Hashmi, (UK), S Kirkham, C Nester

11:24 - 11:36

FO1.10

Ultrasound evaluation of the efficacy of anti-alopecia formulation
Ximena Wortsman, (Chile), R Guerrero

11:36 - 11:48

FO1.11

Multivariate analysis of Raman confocal spectra of the *stratum corneum* for evaluation of efficacy of a moisturizing cosmetic product
Alex Nkengne, (France), A Tenehaus, M Lanctin, C Bertin

11:48 - 12:00

FO1.12

Texture analysis of cosmetic/pharmaceutical raw materials and products
AW Tai, (USA), R Bianchini, Janus Jachowicz, (USA)

12:00 - 12:12

FO1.13

Antiperspirant with 20% aluminum chlorohydrate effectively decreases sweating and odor 48 hours after use
Izabela Buraczewska Norin, (Sweden)

12:12 - 12:24

FO1.14

Effect of microparticles containing green tea extract on facial skin improvement
Neti Waranuch, (Thailand), S Maphanta, W Wisuitiprot

12:24 - 12:30

Discussion

12:30 - 13:15

LUNCH

WEDNESDAY, 28 NOVEMBER 2012

- 13:15 - 14:45** **SS01** **Scandinavian Society of Cosmetic Chemists** **Hall A**
(SCANCOS) Seminar
EVIDENCE BASED COSMETIC SCIENCE
Chairs: Marie Loden, (Sweden) & Mats Hagwall, (Sweden)
- 13:15 - 13:35** **SS01.01** Skin in detail
Lars Norlen, (Sweden)
- 13:35 - 13:55** **SS01.02** Humectants regulate skin hydration and skin permeability.
Hyaluronic acid, glycerin and urea ex vivo and *in vivo*
Cathrine Alber, (Sweden), M Loden, V Kochebitov, J Engblom
- 13:55 - 14:15** **SS01.03** Use of "Connectivity Map" to identify novel retinoid-like agents with
cosmetic benefits
*Johanna M Gillbro, (Sweden), T Al-Bader, L Duracher, M Westman,
K Cattley, P Camattari, A Klack, G Moran, L Visdal-Johnsen,
MJ Olsson, E Merinville, A Mavon*
- 14:15 - 14:35** **SS01.04** Penetration for efficacy and toxicity of cosmetics
Howard Maibach, (USA)
- 14:35 - 14:45** Discussion
- 14:45 - 15:00** **COFFEE BREAK**
- 15:00 - 16:15** **EW** **Exhibitors' Workshop** **Hall A**
INSTRUMENTS AND SKIN
Chairs: Peter Elsner, (Germany) & André Barel, (Belgium)
- 15:00 - 15:15** **EW.01** Biox Ltd (UK)
Speaker tba
- 15:15 - 15:30** **EW.02** Cortex Technology (Denmark)
Speaker tba
- 15:30 - 15:45** **EW.03** Courage & Khazaka Electronic (Germany)
Speaker tba
- 15:45 - 16:00** **EW.04** GF Messtechnik (Germany)
Speaker tba
- 16:00 - 16:15** **EW.05** Perimed, (Sweden)
Speaker tba
- 09:15 - 09:20** **WELCOME** **Hall B**
by the Congress President Jørgen Serup, (Denmark)
- 09:20 - 10:45** **FO2** **ISBS Free Presentations** **Hall B**
MEDICAL SCIENCE
Chairs: Stephan El Gammal, (Germany) & Chris Anderson, (Sweden)
- 09:20 - 09:32** **FO2.01** Development and diagnostic accuracy and reliability of a teledermatology
tool for occupational skin surveillance
Markus Steiner, (UK), S Semple, F Dick, E Murphy, J Ayres, A Ormerod
- 09:32 - 09:44** **FO2.02** Optical coherence tomography monitoring of NMSC undergoing
photodynamic therapy
Lotte Themstrup, (Denmark), C Banzhaf, HC Ring, M Mogensen, GBE Jemec
- 09:44 - 09:56** **FO2.03** Imaging telangiectasia using optical coherence tomography
*Hans Christian Ring, (Denmark), C Banzhaf, L Themstrup,
GBE Jemec, M Mogensen*
- 09:56 - 10:08** **FO2.04** *In vivo* imaging of sarcoptes scabiei infestation using optical
coherence tomography
*Christina Banzhaf, (Denmark), L Themstrup, HC Ring,
M Mogensen, GBE Jemec*
- 10:08 - 10:20** **FO2.05** A human, *in vivo*, minimally invasive wound model for the evaluation
of skin reactivity
Joakim Henricson, (Sweden), E Tesselaar, O Seifert, C Anderson

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- 10:20 - 10:32 FO2.06 A structured approach to understand the mechanics of skin
Marion Geerligs, (The Netherlands), E Lamers, C Oomens, G Peters
Discussion
- 10:32 - 10:45
- 10:45 - 11:00 **COFFEE BREAK**
- 11:00 - 12:30 FO2 **ISBS Free Presentations** **Hall B**
MEDICAL SCIENCE (CONT.)
Chairs: Stephan El Gammal, (Germany) & Chris Anderson, (Sweden)
- 11:00 - 11:12 FO2.08 Development of interventions to reduce pediatric pressure ulcers
Marty Visscher, (USA), C White, T Cahill, L Mack, B Pan, D Jones
- 11:12 - 11:24 FO2.09 Biomechanical, structural and topographical features of the skin of patients with spine pathology
Lyudmila Grebenyuk, (Russian Federation), S Ryabykh, A Kobizev
- 11:24 - 11:36 FO2.10 Emptying of the diclofenac stratum corneum reservoir is influenced by the mode of application
Ron Clijsen, (Belgium), J-P Baeyens, A Barel, P Clarys
- 11:36 - 11:48 FO2.11 Cutaneous microdialysis: interpreting cytokine production in innate skin reactivity of cytokines after catheter insertion
F Sjögren, M Sjöström, Chris Anderson, (Sweden)
- 11:48 - 12:00 FO2.12 Protective effects of tamarind seed coat extract in UVA-irradiated human skin fibroblasts
Viyoch Jarupa, (Thailand), R Rakchai, P Khemjira
- 12:00 - 12:12 FO2.13 The platform SkinExplorer™ from full-size overview to dynamic skin visualization in S3D environment
Marie-Danielle Vazquez-Duchene, (France), P Kraemer, C Mion, S Mine, B Levy, C Jeanmaire, O Freis, G Pauly, A Rathjens
- 12:12 - 12:24 FO2.14 Assessment of reproducibility of clinical investigators
Gaëtan Boyer, (France), M Ben Tkaya, S Laquière, M Hering, M Pericoi
- 12:24 - 12:30 Discussion
- 12:30 - 13:15 **LUNCH**
- 13:15 - 14:45 SS02 **International Society of Skin Pharmacology & Physiology (ISP) Seminar** **Hall B**
BASIC RESEARCH AND SKIN: FROM IN VITRO TO IN VIVO
Chairs: Joachim Fluhr, (Germany) & Jürgen Lademann, (Germany)
- 13:15 - 13:35 SS02.01 Non-invasive *in vivo* assessment of the anti-oxidative status of human skin
Jürgen Lademann, (Germany), MC Meinke, S Schanzer, W Koecher, ME Darwin
- 13:35 - 13:55 SS02.02 Mathematical modeling: new meanings for established variables
Luis Monteiro Rodrigues, (Portugal), P Pinto, J Morais, H Ferreira, J Fluhr
- 13:55 - 14:15 SS02.03 Clinical scales, scores and instruments: assessment of disease severity in dermatology with advanced optical methods
Joachim Fluhr, (Germany)
- 14:15 - 14:35 SS02.04 New indications of OCT and confocal microscopy: morphology and functional aspects
Julia Welzel, (Germany)
- 14:35 - 14:45 Discussion
- 14:45 - 15:00 **COFFEE BREAK**

WEDNESDAY, 28 NOVEMBER 2012

- 15:00 - 16:00** **SS02** **International Society of Skin Pharmacology & Physiology (ISP) Seminar** **Hall B**
BASIC RESEARCH AND SKIN: FROM *IN VITRO* TO *IN VIVO* (CONT.)
Chairs: Joachim Fluhr, (Germany) & Jürgen Lademann, (Germany)
- 15:00 - 15:20** **SS02.05** Mucosa: physiology and penetration pathways
Christian Surber, (Switzerland)
- 15:20 - 15:40** **SS02.06** Effects of tissue-tolerable plasma on chronic wound treatment compared to a modern conventional liquid antiseptic
J Lademann, C Ulrich, F Kluschke, A Patzelt, VA Czaika, H Richter, A Bob, J von Hutten, A Kramer, Bernhard Lange-Asschenfeldt, (Germany)
- 15:40 - 15:50** **SS02.07** Elasticity and viability of cells treated with surfactants and proteins
Tomasz Kobiela, (Poland), K Lelen-Kaminska, M Stepulak, M Lekka, M Malejczyk, J Arct, S Majewski
- 15:50 - 16:00** **SS02.08** Effects of polyols on human keratinocytes: beyond the physical-chemical properties
Tamás Bíró, (Hungary), J Szabó-Papp, L Ambrus, A Oláh
- 16:15 -** **SCANCOS GENERAL ASSEMBLY** **Hall C**
(CLOSED MEETING)
- 16:15 -** **ISBS BOARD MEETING** **Room 1**
(CLOSED MEETING)
- 18:30 - 20:00** **WELCOME RECEPTION AT COPENHAGEN TOWN HALL**

THURSDAY, 29 NOVEMBER 2012

- 08:15 - 09:00 FP01 ORAL SUMMARY OF POSTER SESSION Hall A & Hall B**
Chairs: Shabtay Dikstein, (Israel) & Enzo Berardesca, (Italy)
- 08:15 - 08:20 FP01 Elasticity of facial skin: a precise three dimensional mapping
Frederic Flament, (France), P Julien, R Bazin, C Leonce, V Rubert, C Cornillon, E Doublet, G Francois, F Kharroub, H Qiu
- 08:20 - 08:25 FP02 Visible and measured firmness: a new global approach to link action on biological target
Frederic Flament, (France), H Qiu, C Ye, T Hanaya, H Totsuka, S Yamamoto, X Long, A-M Benize, J Pierre, R Bazin
- 08:25 - 08:30 FP03 Improvement of image analysis of dermatological images by utilizing intelligent scissors
Arne Böhling, (Germany), M Seise, S Bielfeldt, K-P Wilhelm
- 08:30 - 08:35 FP04 Color-consistent clinical photography in dermatological studies
Arne Böhling, (Germany), M Seise, S Bielfeldt, K-P Wilhelm
- 08:35 - 08:40 FP05 Chinese panel biomechanical property investigation by clinical tool densiscore
Huixia Qiu, (PR China), F Flament, X Long, J Hou, A Laurent, J Senee, D Batisse, R Bazin
- 08:40 - 08:45 FP06 Global evaluation platform from local to global assessment on pores
Huixia Qiu, (PR China), F Flament, X Long, C Cornillon, J Senee, D Batisse, C Ye
- 09:00 - 10:30 SY01 Symposium Hall A & Hall B**
STRATUM CORNEUM AND EPIDERMAL STRUCTURE AND FUNCTION
Chairs: Klaus-Peter Wilhelm, (Germany) & Luis Monteiro Rodrigues, (Portugal)
- Honorary Lecture**
- 09:00 - 09:30 KL01 Biomechanical properties of stratum corneum
Jean-Luc Lévêque, (France)
- 09:30 - 09:40 SY01.01 An epidermal turnover model predicts uneven skin tone with aging.
Yasuko Amano, (Japan), T Uehara, M Tanahashi, K Nagayama
- 09:40 - 09:50 SY01.02 Characterization of dry/scaly skin and quantification of scaliness
Iqbal Sadiq, (USA)
- 09:50 - 10:00 SY01.03 *In vitro* evaluation of isotretinoin loaded microemulsions with ATR-FTIR spectroscopy and tape stripping
Sedef Erdal, (Turkey), S Güngör, A Araman
- 10:00 - 10:10 SY01.04 Imaging drug delivery to the skin using coherent Raman scattering microscopy
Natalie Belsey, (UK), LR Contreras-Rojas, N Garrett, J Moger, G Price, R Guy
- 10:10 - 10:20 SY01.05 Imaging topical nail delivery using stimulated Raman scattering (SRS) microscopy
Wing Sin Chiu, (UK), NL Garrett, J Moger, GJ Price, MB Delgado-Charro, RH Guy
- 10:20 - 10:30 Discussion
- 10:30 - 11:00 COFFEE BREAK**

THURSDAY, 29 NOVEMBER 2012

- 11:00 - 12:30 SY02 Symposium Hall A & Hall B**
EMERGING TECHNOLOGIES IN SKIN RESEARCH
Chairs: Stefania Seidenari, (Italy) & Jürgen Lademann, (Germany)
- Keynote Lecture**
- 11:00 - 11:30 KL02 Development of instrumentation for assessment of skin
Gert Erik Nilsson, (Sweden)
- 11:30 - 11:50 SY02.01 Multiphoton/CARS microscopy for skin imaging
Karsten König, (Germany)
- 11:50 - 12:10 SY02.02 Measuring skin cell stiffness
Sören Jaspers, (Germany), C Schulze, H Reuter, T Blatt
- 12:10 - 12:30 SY02.03 Electron spin resonance spectroscopy to evaluate biophysical parameters of the skin
Martina Meinke, (Germany), S Haag, J Lademann
- 12:30 - 13:15 LUNCH**
- 13:15 - 13:30 INTRODUCTION TO ISBS Hall A & Hall B**
Chairman of ISBS Klaus-Peter Wilhelm, (Germany)
- 13:30 - 15:00 SY03 Symposium Hall A & Hall B**
EMERGING TECHNOLOGIES IN SKIN RESEARCH (CONT.)
Chairs: Gary Grove (USA) & Stephan El Gammal, (Germany)
- Keynote Lecture**
- 13:30 - 14:00 KL03 Optical methods for assessment of skin
Martin J Leahy, (Ireland)
- 14:00 - 14:20 SY03.01 Fever screening by thermal imaging of the face
Francis Ring, (UK), A Jung, J Zuber, B Kalicki, R Vardasca
- 14:20 - 14:30 SY03.02 Quantification of blood content in skin during the capillary refill test highlights gender differences in skin microcirculation reactivity
Rani John Toll, (Sweden), J Henricson, M Sjöström, G Nilsson, C Anderson
- 14:30 - 14:40 SY03.03 *In vivo* multiphoton microscopy associated with 3D image processing: non invasive, quantitative characterization of human skin
A-M Pena, T Baldeweck, E Decencièrre, Emmanuelle Tancredi-Bohin, (France)
- 14:40 - 14:50 SY03.04 Fluorescence lifetime imaging and multiphoton tomography for the study of skin tumors
Stefania Seidenari, (Italy), F Arginelli, M Manfredini
- 14:50 - 15:00 Discussion
- 15:00 - 15:15 COFFEE BREAK**
- 15:15 - 16:45 SY04 Symposium Hall A & Hall B**
USE OF INSTRUMENTAL METHODS IN RESEARCH AND PRODUCT DEVELOPMENT
Chairs: Martha Tate, (USA) & R Randall Wickett, (USA)
- Keynote Lecture**
- 15:15 - 15:45 KL04 Approached to today and futures needs in world of clinical change
Howard I Maibach, (USA)
- 15:45 - 16:05 SY04.01 Foundation of instrumental measurements in formulation development & claims substantiation of skin care products
Ward Billhimer, (USA), J Woodford, S Sherman, K Lammers
- 16:05 - 16:25 SY04.02 Topical 5-alpha reductase inhibitors may effectively reduce skin surface sebum production
Neelam Muizzuddin, (USA), M Matsui, D Yarosh, R Sparacio, T Mammone
- 16:25 - 16:45 SY04.03 Friction and adhesion of products and materials on human skin: product development research in Kimberly-Clark
Martha Tate, (USA), A Wright, R Zepp, K Zwick

THURSDAY, 29 NOVEMBER 2012

16:45 - 18:00

POSTER VIEWING SESSION

Poster Hall

See full list at the end of the programme

16:45 -

ISBS GENERAL ASSEMBLY

Hall A & Hall B

19:30 -

GALA DINNER, TIVOLI GARDENS

FRIDAY, 30 NOVEMBER 2012

- 08:15 - 09:00** **FPO2** **ORAL SUMMARY OF POSTER SESSION** **Hall A**
Chairs: Silvia H Pérez-Damonte, (Argentina) & Gert Erik Nilsson, (Sweden)
- 08:15 - 08:20** **FP07** Natural modulators of vascular inflammation and innate immunity: a new generation of anti-redness skin care
Nadege Lachmann, (France), C Baudouin, M Biasette, F Vial, S Bredif, F Menu, P Msika, G Lorette
- 08:20 - 08:25** **FP08** Aging-induced changes of the dermal papilla structure and dermal fiber-like structure in facial cheek regions
Koji Mizukoshi, (Japan), K Yonekura, M Futagawa, T Nakamura, K Hirayama, K Takahashi
- 08:25 - 08:30** **FP09** *Stratum corneum* structure and composition evolve with age in adults
E Boireau, A Baillet-Guffroy, Georgios N Stamatas, (France)
- 08:30 - 08:35** **FP10** A new approach to evaluate in vivo biomechanical properties of nails
G Musitelli, S Sacchi, M Bleve, P Capra, Paola Perugini, (Italy)
- 08:35 - 08:40** **FP11** Imaging haemangioma using optical coherence tomography
Hans Christian Ring, (Denmark), C Banzhaf, L Themstrup, GBE Jemec, M Mogensen
- 08:40 - 08:45** **FP12** Milia and other scars in optical coherence tomography
Hans Christian Ring, (Denmark), C Banzhaf, L Themstrup, M Mogensen, GBE Jemec
- 09:00 - 10:30** **SE01** **Seminar** **Hall A**
CROSS-SECTIONAL IMAGING - OCT
Chairs: Julia Welzel, (Germany) & Mette Mogensen, (Denmark)
- Special Lecture**
- 09:00 - 09:20** **SL01** OCT - technique and indications in dermatology
Julia Welzel, (Germany)
- 09:20 - 09:35** **SE01.01** OCT - skin tumours and inflammatory diseases
Mette Mogensen, (Denmark)
- 09:35 - 09:50** **SE01.02** High-definition optical coherence tomography in the diagnosis of non-melanoma skin cancer
Tanja Maier, (Germany), T Ruzicka, C Berking
- 09:50 - 10:00** **SE01.03** Histological correlates of optical coherence tomography in non-melanoma skin cancer
Andrew John Coleman, (UK), TJ Richardson, G Orchard, A Uddin, MJ Choi, KE Lacy
- 10:00 - 10:10** **SE01.04** Hair shaft anomalies in alopecia areata evaluated by optical coherence tomography
N Garcia Bartels, I Jahnke, A Patzelt, H Richer, Jürgen Lademann, (Germany), U Blume-Peytavi
- 10:10 - 10:20** **SE01.05** Optical coherence tomography of NMSC undergoing imiquimod therapy
Christina Banzhaf, (Denmark), L Themstrup, HC Ring, M Mogensen, GBE Jemec
- 10:20 - 10:30** **SE01.06** Optical coherence tomography of human skin undergoing cryotherapy
Lotte Themstrup, (Denmark), C Banzhaf, HC Ring, M Mogensen, GBE Jemec
- 10:30 - 11:00** **COFFEE BREAK**

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11:00 - 12:30	SE02	Seminar	Hall A
		NEW METHODS & APPLICATIONS	
		<i>Chairs: Bernard Querleux, (France) & Chil Hwan Oh, (Korea)</i>	
		Special Lecture	
11:00 - 11:20	SL02	Combining experiments and simulations for a better understanding of skin properties <i>Bernard Querleux, (France)</i>	
11:20 - 11:35	SE02.01	Moving beyond the established test laboratory: meeting the challenges <i>Betsy Hughes-Formella, (Germany), O Wunderlich</i>	
11:35 - 11:50	SE02.02	Comparison of odour test methods based on experimental data <i>Björn Maxeiner, (Germany)</i>	
11:50 - 12:05	SE02.04	A novel method for dynamic assessment of sweat gland activity <i>Gert Erik Nilsson, (Sweden)</i>	
12:05 - 12:20	SE02.05	Fluorescent fibre-optic confocal imaging of lesional and non-lesional psoriatic skin compared to normal skin <i>in vivo</i> <i>Christian Suihko, (Sweden), J Serup</i>	
12:20 - 12:30		Discussion	
12:30 - 13:30		LUNCH	
13:30 - 15:00	SE03	Seminar	Hall A
		QUALITY ASSURANCE AND REGULATORY ISSUES	
		<i>Chairs: Marie Loden, (Sweden) & Bernard Gabard, (Switzerland)</i>	
		Special Lecture	
13:30 - 13:55	SL03	Safety evaluation of cosmetics in Europe without animal testing <i>Vera Rogiers, (Belgium)</i>	
13:55 - 14:10	SE03.01	Cosmeceuticals - "an annoying itch that won't go away" <i>Chris Gummer, (UK)</i>	
14:10 - 14:25	SE03.02	Nanoparticles in cosmetics: prospects and safety aspects <i>Jürgen Lademann, (Germany), H Richter, MC Meinke, W Sterry, A Patzelt</i>	
14:25 - 14:40	SE03.03	Satisfying the European consumers. The new regulation and challenges to the industry <i>Gerald Renner, (Belgium)</i>	
14:40 - 14:50	SE03.04	Preclearance of TV ads for a hair lightening product - an example of instrumental measurement, visual, and consumer data in claims substantiation <i>Karen Lammers, (USA), J Woodford, S Sherman, W Billhimer</i>	
14:50 - 15:00	SE03.05	Hold of decorative cosmetics determined by lay and expert rating and image analysis <i>Marianne Brandt, (Germany), M Renner, M Seise, S Gunja, S Bielfeldt, K-P Wilhelm</i>	
15:00 - 15:15		COFFEE BREAK	
15:15 - 16:45	SE04	Seminar	Hall A
		INSTRUMENTAL SKIN RESEARCH IN ANIMALS	
		<i>Chairs: Ernest H Braue, (USA) & Kezia Juul, (Denmark)</i>	
		Special Lecture	
15:15 - 15:45	SL04	The application of non-invasive methods in a comprehensive framework for studying cutaneous injury and wound healing in laboratory swine <i>John Azeke, (USA), RS Stevenson, RF Railer, RR Deckert, JL Devorak, JD Boecker, HL Lumpkin, BF Doxzon, JS Graham, EH Braue</i>	
15:45 - 16:05	SE04.01	Evaluation of RSDL and measurement of VX depth profiles in hairless guinea pig skin using confocal Raman microspectroscopy <i>Ernest Braue, (USA), B Doxzon, H Lumpkin, J Azeke</i>	

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- 16:05 - 16:20 SE04.02 Local distribution of insulin in porcine subcutaneous tissue related to hypodermic needle dimensions - evaluated by 3D CT-scanning and histology
Kezia Juul, (Denmark), H Bengtsson, B Eyving, J Kildegaard, S Lav, M Poulsen, J Serup, B Stallknecht
- 16:20 - 16:35 SE04.03 Pig skin vs. artificial membranes in penetration investigations
Magdalena Krulikowska, (Poland), J Arct, M Lucova, B Cetner, S Majewski, I Bialas
- 16:35 - 16:45 Discussion
- 08:15 - 09:00 FPO3 **ORAL SUMMARY OF POSTER SESSION** **Hall B**
Chairs: Betsy Hughes-Formella, (Germany) & Elena Hernandez, (Russian Federation)
- 08:15 - 08:20 FP13 A quantitative modification of MASI score using UV image analysis for pigmentary skin diseases
GW Lee, SU Park, OS Lee, JS Moon, Chil Hwan Oh, (Korea)
- 08:20 - 08:25 FP14 Quantitative assessment for extramammary Paget's disease using ultraviolet imaging system and photodynamic therapy
GW Lee, TS Oh, SU Park, OS Lee, Chil Hwan Oh, (Korea)
- 08:25 - 08:30 FP15 Color Doppler ultrasound characterization of glomus tumors of the nail
Ximena Wortsman, (Chile), N Lobos
- 08:30 - 08:35 FP16 Sonographic appearance of glomangiomas
Ximena Wortsman, (Chile), N Lobos
- 08:35 - 08:40 FP17 Sonographic characterization of pilomatrixomas
Ximena Wortsman, (Chile), N Lobos
- 08:40 - 08:45 FP18 The possibility of monitoring using the high-frequency ultrasound in patients with the primary cutaneous T-cell lymphoma
Karolina Olek-Hrab, (Poland), A Osmola-Mañkowska, W Silny, A Dańczak-Pazdrowska, A Polańska
- 08:45 - 08:50 FP19 HF-USG and cutometer in monitoring of sclerodermoid cGvHD patients with joint contractures
Agnieszka Osmola-Mankowska, (Poland), A Danczak-Pazdrowska, K Olek-Hrab, W Silny, A Polanska, A Sadowska-Przytocka
- 09:00 - 10:30 SE05 **Seminar** **Hall B**
CROSS-SECTIONAL IMAGING – ULTRASOUND
Chairs: Ximena Wortsman, (Chile) & Jørgen Serup, (Denmark)
- Special Lecture**
- 09:00 - 09:20 SL05 Imaging techniques, why, when and which?
Klaus-Peter Wilhelm, (Germany)
- 09:20 - 09:35 SE05.01 Common applications of ultrasound in dermatology
Ximena Wortsman, (Chile)
- 09:35 - 09:50 SE05.02 Ultrasound examination of skin: what is imaged and what is measured?
Jørgen Serup, (Denmark)
- 09:50 - 10:05 SE05.03 Locoregional ultrasonographic staging of melanoma
Christiane Voit, (Germany)
- 10:05 - 10:15 SE05.04 Ultrasound assessment of tattoo reactions
Katrina Hutton Carlsen, (Denmark) & Jacob Tolstrup, (Denmark)
- 10:15 - 10:25 SE05.05 Sebaceous gland size influences viscoelasticity of the skin - Comparison of three-dimensional ultrasound microscope imaging and biomechanics measurements
Yoshifumi Saijo, (Japan), R Nagaoka, K Kubo
- 10:25 - 10:30 Discussion
- 10:30 - 11:00 **COFFEE BREAK**

FRIDAY, 30 NOVEMBER 2012

11:00 - 12:30 SE06

Hall B

HORIZONTAL IMAGING AND OPTICAL BIOPSY; CONFOCAL MICROSCOPY AND MULTIPHOTON LASER TOMOGRAPHY

Chairs: Salvador González, (USA) & Anne Colonna, (France)

Special Lecture

- 11:00 - 11:20 SL06 Non-linear spectral imaging of skin
Hans Gerritsen, (The Netherlands)
- 11:20 - 11:30 SE06.01 *In vivo* microscopic evaluation of dermal changes over age with
reflectance confocal microscopy (RCM)
Alex Nkengne, (France), V Bruere, G Pellacani, M Ardigo, C Bertin
- 11:30 - 11:40 SE06.02 Skin aging: RCM scoring system. Application to cosmetics' research
Caterine Longo, (Italy)
- 11:40 - 11:50 SE06.03 Cutaneous response to ultraviolet radiation exposure
Martina Ulrich, (Germany)
- 11:50 - 12:00 SE06.04 Confocal laser scanning microscopy in the fluorescence mode
Julia Welzel, (Germany)
- 12:00 - 12:10 SE06.05 Inflammatory skin conditions and their differential confocal features
Marco Ardigo, (Italy)
- 12:10 - 12:20 SE06.06 Skin hydration, skin barrier damage and influence of topical products
on keratinocyte biology evaluated by reflectance confocal microscopy
*Giovanni Pellacani, (Italy), M Manfredini, A Casari, G Mazzaglia, S Simonazzi, S
Ciardo, C Longo*
- 12:20 - 12:30 SE06.07 New barrier function estimation by fluorescence confocal microscopy
Josselin Breugnot, (France), G Bon, E Vignau, M Le Guillou, B Closs

12:30 - 13:30

LUNCH

13:30 - 15:00 SE07

Hall B

Seminar PHOTOGRAPHY AND DIGITAL IMAGING

Chairs: Nikiforos Kollias, (USA) & Seher Pelin Guvenc, (USA)

Special Lecture

- 13:30 - 14:00 SL07 Optical diagnostics for documentation and analysis of skin attributes
Nikiforos Kollias, (USA)
- 14:00 - 14:15 SE07.01 Automatic validated assessment of acne lesions from digital images
Sachin Patwardhan, (USA)
- 14:15 - 14:30 SE07.02 The use of computer vision based tools in the analysis of skin
structures e.g. wrinkles, acne
Gabriela O Cula, (USA)
- 14:30 - 14:45 SE07.03 Manipulation and analysis of massive imaging data
Greg Payonk, (USA)
- 14:45 - 14:55 SE07.04 Evaluation of facial aging by spatial frequency analysis of digital images
Akihiro Tada, (Japan), S Inoue-Torii, K Yamazaki
- 14:55 - 15:00 Discussion

15:00 - 15:15

COFFEE BREAK

FRIDAY, 30 NOVEMBER 2012

15:15 - 16:45 SE08

Hall B

PHOTOGRAPHY AND DIGITAL IMAGING (CONT.)

Chairs: Nikiforos Kollias, (USA) & Seher Pelin Guvenc, (USA)

Special Lecture

- 15:15 - 15:35 SL08 Sector expansion and elliptical modeling of blue-gray ovoids for basal cell carcinoma discrimination in dermoscopy images
Seher Pelin Guvenc, (USA), RW Leander, WV Stoecker, RK Rader, KA Hinton, HS Rabinovitz, M Oliviero, RH Moss
- 15:35 - 15:45 SE08.01 Modelling skin complexion radiance for quantitative measurement of better looking skin
Di Qu, (USA), E Chun, J Scimeca
- 15:45 - 15:55 SE08.02 An instrument for three dimensional measurement of skin surface topography
Francis Ring, (UK), P Plassmann, C Jones
- 15:55 - 16:05 SE08.03 Eye opening angle: a new parameter to assess anti-ageing skincare product efficacy on Asian panel
Frederic Flament, (France), H Qiu, R Bazin, X Long, S Yamamoto, C Morimoto, D Compan, D Amar, V Rubert, C Nguyen
- 16:05 - 16:15 SE08.04 Optical method to assess facial pores visibility in Asian population
Huixia Qiu, (PR China), X Long, C Ye, A Laurent, J Senee, L Colomb, G Francois, R Bazin
- 16:15 - 16:25 SE08.05 An integrated process for clinical photography
Arne Böhling, (Germany), S Bielfeldt, M Seise, K-P Wilhelm
- 16:25 - 16:35 SE08.06 Ranking of paired standardized facial photographs to evaluate attractiveness and skin radiance
Stephan Bielfeldt, (Germany), M Renner, M Seise, A Maron, K-P Wilhelm
- 16:35 - 16:45 Discussion

- FP01 Elasticity of Skin face: a precise three dimensional mapping
Frederic Flament, (France), P Julien, R Bazin, C Leonce, V Rubert, C Cornillon, E Doublet, G Francois, F Kharroub, H Qiu
- FP02 Visible and measured firmness: a new global approach to link action on biological target
Frederic Flament, (France), H Qiu, C Ye, T Hanaya, H Totsuka, S Yamamoto, X Long, A-M Benize, J Pierre, R Bazin
- FP03 Improvement of image analysis of dermatological images by utilizing intelligent scissors
M Seise, Arne Böhling, (Germany), S Bielfeldt, K-P Wilhelm
- FP04 Color-consistent clinical photography in dermatological studies
M Seise, Arne Böhling, (Germany), S Bielfeldt, K-P Wilhelm
- FP05 Chinese panel biomechanical property investigation by clinical tool densiscore
Huixia Qiu, (PR China), F Flament, X Long, J Hou, A Laurent, J Senee, D Batisse, R Bazin
- FP06 Global evaluation platform from local to global assessment on pores
Huixia Qiu, (PR China), F Flament, X Long, C Cornillon, J Senee, D Batisse, C Ye
- FP07 Natural modulators of vascular inflammation and innate immunity: a new generation of anti-redness skin care
Nadege Lachmann, (France), C Baudouin, M Biasette, F Vial, S Bredif, F Menu, P Msika, G Lorette
- FP08 Aging-induced changes of the dermal papilla structure and dermal fiber-like structure in facial cheek regions
Koji Mizukoshi, (Japan), K Yonekura, M Futagawa, T Nakamura, K Hirayama, K Takahashi
- FP09 Stratum corneum structure and composition evolve with age in adults
E Boireau, A Baillet-Guffroy, Georgios N Stamatias, (France)
- FP10 A new approach to evaluate in vivo biomechanical properties of nails
G Musitelli, S Sacchi, M Bleve, P Capra, Paola Perugini, (Italy)
- FP11 Imaging haemangioma using optical coherence tomography
Hans Christian Ring, (Denmark), C Banzhaf, L Themstrup, GBE Jemec, M Mogensen
- FP12 Milia and other scars in optical coherence tomography
Hans Christian Ring, (Denmark), C Banzhaf, L Themstrup, M Mogensen, GBE Jemec
- FP13 A quantitative modification of MASI score using UV image analysis for pigmentary skin diseases
GW Lee, SU Park, OS Lee, JS Moon, Chil Hwan Oh, (Korea)
- FP14 Quantitative assessment for extramammary Paget's disease using ultraviolet imaging system and photodynamic therapy
GW Lee, TS Oh, SU Park, OS Lee, Chil Hwan Oh, (Korea)
- FP15 Color Doppler ultrasound characterization of glomus tumors of the nail
Ximena Wortsman, (Chile), N Lobos
- FP16 Sonographic appearance of glomangiomas
Ximena Wortsman, (Chile), N Lobos
- FP17 Sonographic characterization of pilomatrixomas
Ximena Wortsman, (Chile), N Lobos
- FP18 The possibility of monitoring using the high-frequency ultrasound in patients with the primary cutaneous T-cell lymphoma
Karolina Olek-Hrab, (Poland), A Osmola-Mańkowska, W Silny, A Dańczak-Pazdrowska, A Polańska

THURSDAY, 29 NOVEMBER 2012

- FP19 HF-USG and cutometer in monitoring of sclerodermoid cGvHD patients with joint contractures
Agnieszka Osmola-Mankowska, (Poland), A Danczak-Pazdrowska, K Olek-Hrab, W Silny, A Polanska, A Sadowska-Przytocka
- FP20 Diet water seems to influence skin hydration and biomechanics
L Palma, L Tavares, C Monteiro, MJ Bujan, Luis Monteiro Rodrigues, (Portugal)
- FP21 Antioxidant potential and safety of pure green coffee oil
T Wagemaker, P Rijo, AS Fernandes, A Roberto, C Reis, PM Campos, Luis Monteiro Rodrigues, (Portugal)
- FP22 Texture analysis of skin magnetic resonance imaging data: a feasibility study
H Ferreira, Luis Monteiro Rodrigues, (Portugal)
- FP23 Wavelet and detrended fluctuation analysis of skin microcirculation: assessment of perfusion restriction in healthy subjects
H Ferreira, CD Fernandes, P Pinto, Luis Monteiro Rodrigues, (Portugal)
- FP24 Efficacy assessment of cosmetic formulations by dynamic TEWL analysis
C Rosado, J Ferreira, P Pinto, Luis Monteiro Rodrigues, (Portugal)
- FP25 Plectranthus ecklonii extracts as new bioactive ingredients
AS Fernandes, M Prazeres, M Batista, MF Simoes, C Reis, C Rosado, Luis Monteiro Rodrigues, (Portugal), P Rijo
- FP26 Sub-products of prunus cerasus liquor as novel ingredients for topical formulations
E Maurício, C Rosado, M Bordalo, I Iria, A Diaz, Luis Monteiro Rodrigues, (Portugal)
- FP27 An *in vivo*, minimally invasive rodent model to assess skin repair
G Spongiatto, (C Mello-Sampayo, MM Pereira, H Silva, MF Otuki, BS Lima, Luis Monteiro Rodrigues, (Portugal)
- FP28 Studying the impact of age in the rat's skin physiology
G Spongiatto, C Mello-Sampayo, MM Pereira, H Silva, MF Otuki, BS Lima, Luis Monteiro Rodrigues, (Portugal)
- FP29 Body Mass Index and association with *in vivo* skin physiology
L Tavares, L Palma, O Santos, MA Almeida, MJ Bujan, Luis Monteiro Rodrigues, (Portugal)
- FP30 Looking for a global indicator of obese skin function
L Tavares, L Palma, O Santos, MA Almeida, MJ Bujan, Luis Monteiro Rodrigues, (Portugal)
- FP31 Low-energy helium-neon laser therapy induces repigmentation and improves cutaneous microcirculatory dysfunction in segmental-type vitiligo
Yu Hsin-Su, (Taiwan), W Chieh-Shan
- FP32 The characteristics of skin barrier damage of facial dermatitis
Lily Li, (PR China), H Xie
- FP33 Quantitative evaluation of adhesion and coverage effect of facial base makeup
SY Lee, AR Choi, Ji Hwoon Baek, (Korea), DK Lee, JS Koh
- FP34 Morphological pattern as well as quantitative grade of skin wrinkle can be analyzed using fringe projection
Changhui Cho, (Korea), J Ha, E Lee, J Lee, Y Hwang
- FP35 A noble method to evaluate cleansing effect of cleansing products using a digital imaging system
Eunyoung Lee, (Korea), Y Hwang, J Ha
- FP36 Application of autologous dermal fibroblasts for correction of age-related changes of skin: the year of clinical observations
Vadim Zorin, (Russian Federation), A Zorina, V Cherkasov, R Deev, A Isaev, A Nerobeev, E Krechina, A Alikova, S Donetskaya