



**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*

## WEDNESDAY, 28 NOVEMBER 2012

- 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 Darvin*
- 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

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

## 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 Decencière, Emmanuelle Tancrède-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**

## FRIDAY, 30 NOVEMBER 2012

11:00 - 12:30	SE02	<b>Seminar</b>	<b>Hall A</b>
		<b>NEW METHODS &amp; APPLICATIONS</b>	
		<i>Chairs: Bernard Querleux, (France) &amp; Chil Hwan Oh, (Korea)</i>	
		<b>Special Lecture</b>	
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		<b>LUNCH</b>	
13:30 - 15:00	SE03	<b>Seminar</b>	<b>Hall A</b>
		<b>QUALITY ASSURANCE AND REGULATORY ISSUES</b>	
		<i>Chairs: Marie Loden, (Sweden) &amp; Bernard Gabard, (Switzerland)</i>	
		<b>Special Lecture</b>	
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		<b>COFFEE BREAK</b>	
15:15 - 16:45	SE04	<b>Seminar</b>	<b>Hall A</b>
		<b>INSTRUMENTAL SKIN RESEARCH IN ANIMALS</b>	
		<i>Chairs: Ernest H Braue, (USA) &amp; Kezia Juul, (Denmark)</i>	
		<b>Special Lecture</b>	
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>	

## FRIDAY, 30 NOVEMBER 2012

- 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-Mańkowska, 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

## THURSDAY, 29 NOVEMBER 2012

16:45 - 18:00

### POSTER VIEWING SESSION

Poster Hall

- 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*