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

**09:20 - 10:45**  
**Fo1**  
**ISBS Free Presentations**  
**Hall A**

**10:00 - 10:15**  
**Cosmetic Science (Cont.)**  
**Hall A**

**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 Berin

**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 Kocherbitov, 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-Johansen,
MJ Olsson, E Merinville, A Mayon

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
J o akim 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 Geerlings, (The Netherlands), E Lamers, C Oomens, G Peters
Discussion

10:45 - 11:00  COFFEE BREAK

11:00 - 12:30  FO2  ISBS Free Presentations  
Hall B
MEDICAL SCIENCE (CONT.)
Chairs: Stephan El Gamal, (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 Grebenuy, (Russian Federation), S Ryabikh, 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 Sjüström, Chris Anderson, (Sweden)

11:48 - 12:00  FO2.12  Protective effects of tamarind seed coat extract in UVA-irradiated human skin fibroblasts  
Viyooh Jarupa, (Thailand), R Rakchai, P Khemjira

12:00 - 12:12  FO2.13  The platform SkinExplorerTM 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
Discussion

12:30 - 13:15  LUNCH

13:15 - 14:45  SS02  International Society of Skin Pharmacology & Hall B
Physiology (ISP) Seminar
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
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>15:00 - 16:00</td>
<td>SS02</td>
<td><strong>International Society of Skin Pharmacology &amp; Physiology (ISP) Seminar</strong>&lt;br&gt;<strong>BASIC RESEARCH AND SKIN: FROM IN VITRO TO IN VIVO (CONT.)</strong>&lt;br&gt;<em>Chairs: Joachim Fluhr, (Germany) &amp; Jürgen Lademann, (Germany)</em></td>
<td>Hall B</td>
</tr>
<tr>
<td>15:00 - 15:20</td>
<td>SS02.05</td>
<td>Mucosa: physiology and penetration pathways&lt;br&gt;<em>Christian Surber, (Switzerland)</em></td>
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<tr>
<td>15:20 - 15:40</td>
<td>SS02.06</td>
<td>Effects of tissue-tolerable plasma on chronic wound treatment compared to a modern conventional liquid antiseptic&lt;br&gt;<em>J Lademann, C Ulrich, F Kluschke, A Patzelt, VA Czaika, H Richter, A Bob, J von Hutten, A Kramer, Bernhard Lange-Asschenfeldt, (Germany)</em></td>
<td></td>
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<tr>
<td>15:40 - 15:50</td>
<td>SS02.07</td>
<td>Elasticity and viability of cells treated with surfactants and proteins&lt;br&gt;<em>Tomasz Kobiela, (Poland), K Lelen-Kaminska, M Stepulak, M Lekka, M Malejczyk, J Arct, S Majewski</em></td>
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<tr>
<td>15:50 - 16:00</td>
<td>SS02.08</td>
<td>Effects of polyols on human keratinocytes: beyond the physical-chemical properties&lt;br&gt;<em>Tamás Bíró, (Hungary), J Szabó-Papp, L Ambrus, A Oláh</em></td>
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<tr>
<td>16:15 - 17:00</td>
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<td><strong>SCANCOS GENERAL ASSEMBLY</strong> <em>(CLOSED MEETING)</em></td>
<td>Hall C</td>
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<tr>
<td>16:15 - 17:00</td>
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<td><strong>ISBS BOARD MEETING</strong> <em>(CLOSED MEETING)</em></td>
<td>Room 1</td>
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<td>18:30 - 20:00</td>
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<td><strong>WELCOME RECEPTION AT COPENHAGEN TOWN HALL</strong></td>
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THURSDAY, 29 NOVEMBER 2012

08:15 - 09:00  FPO1  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,

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 desniscoare
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 Lévéque, (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 Gängör, 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 Sympium  
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 SY03 Sympium  
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 Leahey, (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 Henrikson, 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 Sympium  
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 Mamnone

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
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>16:45 - 18:00</td>
<td>POSTER VIEWING SESSION</td>
<td>Poster Hall</td>
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<td>See full list at the end of the programme</td>
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<tr>
<td>16:45</td>
<td>ISBS GENERAL ASSEMBLY</td>
<td>Hall A &amp; Hall B</td>
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<tr>
<td>19:30</td>
<td>GALA DINNER, TIVOLI GARDENS</td>
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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  CROSS-SECTIONAL IMAGING - OCT  Hall A
   Seminar

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
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Location</th>
<th>Chairs</th>
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<tbody>
<tr>
<td>11:00 - 12:30</td>
<td>SE02</td>
<td>Seminar NEW METHODS &amp; APPLICATIONS</td>
<td>Hall A</td>
<td>Chairs: Bernard Querleux, (France) &amp; Chil Hwan Oh, (Korea)</td>
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<tr>
<td>11:00 - 11:20</td>
<td>SL02</td>
<td>Special Lecture</td>
<td></td>
<td>Combining experiments and simulations for a better understanding of skin properties</td>
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<tr>
<td>11:20 - 11:35</td>
<td>SE02.01</td>
<td>Special Lecture</td>
<td></td>
<td>Moving beyond the established test laboratory: meeting the challenges</td>
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<tr>
<td>11:35 - 11:50</td>
<td>SE02.02</td>
<td>Special Lecture</td>
<td></td>
<td>Comparison of odour test methods based on experimental data</td>
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<tr>
<td>11:50 - 12:05</td>
<td>SE02.04</td>
<td>Special Lecture</td>
<td></td>
<td>A novel method for dynamic assessment of sweat gland activity</td>
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<tr>
<td>12:05 - 12:20</td>
<td>SE02.05</td>
<td>Special Lecture</td>
<td></td>
<td>Fluorescent fibre-optic confocal imaging of lesional and non-lesional psoriatic skin compared to normal skin in vivo</td>
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<td>12:20 - 12:30</td>
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<td>Discussion</td>
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<td>12:30 - 13:30</td>
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<td>LUNCH</td>
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<td>13:30 - 15:00</td>
<td>SE03</td>
<td>Seminar QUALITY ASSURANCE AND REGULATORY ISSUES</td>
<td>Hall A</td>
<td>Chairs: Marie Loden, (Sweden) &amp; Bernard Gabard, (Switzerland)</td>
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<tr>
<td>13:30 - 13:55</td>
<td>SL03</td>
<td>Special Lecture</td>
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<td>Safety evaluation of cosmetics in Europe without animal testing</td>
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<tr>
<td>13:55 - 14:10</td>
<td>SE03.01</td>
<td>Special Lecture</td>
<td></td>
<td>Cosmeceuticals - “an annoying itch that won’t go away”</td>
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<tr>
<td>14:10 - 14:25</td>
<td>SE03.02</td>
<td>Special Lecture</td>
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<td>Nanoparticles in cosmetics: prospects and safety aspects</td>
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<tr>
<td>14:25 - 14:40</td>
<td>SE03.03</td>
<td>Special Lecture</td>
<td></td>
<td>Satisfying the European consumers. The new regulation and challenges to the industry</td>
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<td>14:40 - 14:50</td>
<td>SE03.04</td>
<td>Special Lecture</td>
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<td>Preclearance of TV ads for a hair lightening product - an example of instrumental measurement, visual, and consumer data in claims substantiation</td>
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<tr>
<td>14:50 - 15:00</td>
<td>SE03.05</td>
<td>Special Lecture</td>
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<td>Hold of decorative cosmetics determined by lay and expert rating and image analysis</td>
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<td>15:00 - 15:15</td>
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<td>COFFEE BREAK</td>
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<tr>
<td>15:15 - 16:45</td>
<td>SE04</td>
<td>Seminar INSTRUMENTAL SKIN RESEARCH IN ANIMALS</td>
<td>Hall A</td>
<td>Chairs: Ernest H Braue, (USA) &amp; Kezia Jual, (Denmark)</td>
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<tr>
<td>15:15 - 15:45</td>
<td>SL04</td>
<td>Special Lecture</td>
<td></td>
<td>The application of non-invasive methods in a comprehensive framework for studying cutaneous injury and wound healing in laboratory swine</td>
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<tr>
<td>15:45 - 16:05</td>
<td>SE04.01</td>
<td>Special Lecture</td>
<td></td>
<td>Evaluation of RSDL and measurement of VX depth profiles in hairless guinea pig skin using confocal Raman microspectroscopy</td>
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</table>
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

Pig skin vs. artificial membranes in penetration investigations
Magdalena Krulikowska, (Poland), J Arct, M Lucova, B Cetner, S Majewski, I Bialas

Discussion

ORAL SUMMARY OF POSTER SESSION

Chairs: Betsy Hughes-Formella, (Germany) & Elena Hernandez, (Russian Federation)

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)

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)

Color Doppler ultrasound characterization of glomus tumors of the nail
Ximena Wortsman, (Chile), N Lobos

Sonographic apppearance of glomangiomas
Ximena Wortsman, (Chile), N Lobos

Sonographic characterization of pilomatrixomomas
Ximena Wortsman, (Chile), N Lobos

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 Polański

HF-USG and cutometer in monitoring of scleroderma cGvHD patients with joint contractures
Agnieszka Osmola-Mankowska, (Poland), A Danczak-Pazdrowska, K Olek-Hrab, W Silny, A Polanska, A Sadowska-Przytocka

Seminar

CROSS-SECTIONAL IMAGING – ULTRASOUND

Chairs: Ximena Wortsman, (Chile) & Jørgen Serup, (Denmark)

Special Lecture

Imaging techniques, why, when and which?
Klaus-Peter Wilhelm, (Germany)

Common applications of ultrasound in dermatology
Ximena Wortsman, (Chile)

Ultrasound examination of skin: what is imaged and what is measured?
Jørgen Serup, (Denmark)

Locoregional ultrasonographic staging of melanoma
Christiane Voit, (Germany)

Ultrasound assessment of tattoo reactions
Katrina Hutton Carlsen, (Denmark) & Jacob Tolstrup, (Denmark)

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

Discussion

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
PHOTOGRAPHY AND DIGITAL IMAGING
Chairs: Nikiforos Kollias, (USA) & Seher Pelin Gavenc, (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
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 Flamant, (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

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

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 Stamatas, (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 apppearance 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 Mauricio, 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 Spongiateo, (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 Spongiateo, 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