May 31st to June 3rd

WORLD CONGRESS LISBOA 2016

INTERNATIONAL SOCIETY FOR BIOPHYSICS AND IMAGING OF THE SKIN
PROGRAMME

May 31st

15.00 Installing the Structure
   Stands and exhibition
   Posters

17.00-18.30 Welcome reception

June 1st  Plenary I

09.15 Formal Opening
   L. Monteiro Rodrigues, Klaus-Peter Wilhelm and Joachim Fluhr
   Inaugural speeches (~45min)

10.00-10.30 Conference  Simulating touch: development of a haptic human-computer interface
   Hugo Ferreira, IBEB_UL - CBIOS, Lisboa, Portugal

   Moderator: L. Monteiro Rodrigues & Enzo Berardesca

10.30-11.00 Coffee break and visit to Posters

11.00-12.30 Skin’s functional variables and assessment

Podium Communications (~12 min each)

C01 Age and gender effect on human tactile perception
   Abdouni et al., École Centrale de Lyon, Lyon, France

C02 Effects of ageing on tactile acuity: Experimental and numerical approaches
   Amaied et al., École Centrale de Lyon, Lyon, France

C03 The relationship between human skin elasticity and seasonal changes as well as the biological aging considerations
   E et al., Vivian Tech And Serv Inc., New Jersey, USA

C04 The Fibrous structure of the skin and its relation to the elastic wave propagation
   - Zahouani et al., University of Lyon - CNRS - ECL-ENISE -ENTPE, Ecully/Rhone Alpes, France
C05 A numerical-experimental methodology for characterization of human skin mechanical properties by suction test
Fetih et al., University of Ljubljana, Ljubljana, Slovenia

Q/A

Lunch time

Plenary II
The ISBS Board will meet by 13.45 (room 6.1.27)

14.15-15.30 Skin’s functional variables and assessment
Moderator: Klaus-Peter Wilhelm & John Azeke

Podium Communications (~12 min each)
C06 Three-dimensional Epidermo-dermal Segmentation in In Vivo High-definition Optical Coherence Tomography: Redefining the Pathology and Treatment of Miliaria Profunda
Tey et al., National Skin Centre, Singapore, Singapore

C07 Histamine iontophoresis as in vivo model to study human skin inflammation with minimal barrier impairment. Results from application of the model to a sensitive skin panel
Falcone et al., Radboud University Medical Center, Nijmegen, The Netherlands

C08 A Two Phase Study to Examine the Efficacy and Absorption of a Topical Anti-Aging Product when used in Conjunction with an Ultrasonic Facial Device
Schwartz et al., International research Services, Port Chester, New York, USA

C09 Biomechanical properties of the skin: a non-contact measure of skin deformation by air blow and fringe projection
Camel et al., Institut D’Expertise Clinique (IEC), Lyon, France

C10 Compared biomechanics of aging skin assessed with different optical-based instruments (Cutometer®, Reviscometer® and Cutiscan®)
Rosado et al., CB IOS- Universidade Lusófona, Lisboa, Portugal

Q/A

16.00-16.30 Coffee break and visit to Posters

16.30-17.00 Conference New technique to evaluate oxidative stress and drug delivery: EPR and beyond
Martina Meinke, Charité Universitätsmedizin, Berlin, Germany
Moderator: Philippe Humbert & Patrícia Rijo

17.00 Unmet needs for skin research

Podium Communications (~12 min each)

**C11** In vivo assessment of the efficacy and safety of O/W photoprotective emulsions containing tea as external phase
Almeida et al., CBIOS - Universidade Lusófona, Lisboa, Portugal

**C12** Pore Evaluation: Two Approaches to a Single Cosmetic Phenomenon
Böhling et al., proDERM Institute for Applied Dermatological Research GmbH, Schenefeld, Hamburg, Germany

**C13** Complexity of facial skin hydration of different ethnic groups visualized by novel 3D and 2D color mapping approaches and the effect of a moisturizer
Voegeli et al., DSM Nutritional Products Ltd., Kaiseraugst, Switzerland

**C14** New investigations on antiperspirant action of Aluminum salts using microfluidics
Bretagne et al., L’Oréal Recherche et Innovation, Aulnay sous bois, France

Q/A

Conclusion and Closure

June 2\textsuperscript{nd}  Plenary III

09.15-09.45 Conference Imaging Drug Delivery to Skin and Nail with Micro(spectro)scopic Techniques
Richard Guy, University of Bath, United Kingdom

Moderator: Joachim Fluhr & Ernest Braue

09.45-10.30 News from Skin Imaging

Podium Communications (~12 min each)

**C15** Ex vivo and in vivo quantitative 3D molecular cutaneous imaging in human skin using coherent Raman and 2-photon microscopy
Sarri et al., Institut Fresnel, Marseille, France

**C16** Shadow-Enhancing Facial Imaging and Age Perception
Rotella et al., Johnson & Johnson, Skillman, NJ, USA
C17 Image analysis of skin pigmentation by image color channel separation  
*Lee et al., Amorepacific R&D center, Yongin, Republic of Korea*

Q/A

10.30-11.00 Coffee break and visit to Posters

11.00-12.30 News from Skin Imaging  
*Moderator: Catarina Reis & Bernard Querleux*

Podium Communications (~12 min each)  
C18 Topographical and structural properties of aged skin by skin imaging analysis  
*Martine et al., University of Sao Paulo - Faculty of Pharmaceutical Sciences of Ribeirão Preto, Ribeirão Preto, Brazil*

C19 Fluorescent fibre-optic confocal characterization of in vivo epidermal changes in atopic eczema  
*Suihko et al., Faculty of Health Sciences, Linköping, Sweden*

C20 Non-invasive short-term assessment of two retinoids effects on human skin in vivo using multiphoton microscopy  
*Pena et al., L’Oréal Research and Innovation, Aulnay-sous-Bois, France*

C21 The effect of intrinsic ageing and photo damage on skin dyspigmentation: an explorative study  
*Dobos et al., Charité - Universitätsmedizin Berlin, Berlin, Germany*

Q/A

Lunch time

Plenary IV

14.15-15.00 Emerging techniques and methodologies  
*Moderator: Hugo Ferreira & Tim Lee*

Podium Communications (~12 min each)  
C22 In vivo assessment of optical properties of melanocytic skin lesions and differentiation of melanoma from non-malignant lesions by high-definition optical coherence tomography  
*Boone et al., Université Libre de Bruxelles, Brussels, Belgium*

C23 Use of Optical Coherence Tomography to assess epidermal thickness changes induced by topical treatments  
*Sadiq et al., Product Investigations Inc., Pennsylvania, USA*
C24 Computer-assisted diagnosis of skin cancer: an overview of methods and applications in the ‘Big Data’ age
Ferreira et al., Institute of Biophysics and Biomedical Engineering, Faculty of Sciences of the University of Lisbon, Lisbon, Portugal

15.00-15.45 Conference Unmet needs for skin research
Enzo Berardesca, San Gallicano Dermatological Institute, Rome, Italy

Q/A

15.45-16.15 Coffee break and visit to Posters

16.15-17.30 Emerging techniques and methodologies
Moderator: Tânia Almeida & Stephan El Gammal

Podium Communications (~12 min each)
C25 MR molecular imaging for melanoma research
Oh et al., Research Institute for Skin Image, Korea University Medical, Seoul, Republic of Korea

C26 In vivo characterization of murine and human components of (laser Doppler) flow during hyperoxia
Silva et al., Universidade Lusófona, School of Health Sc & Technologies , CBiOS (Research Center for Biosciences and Health Technologies, Lisboa, Portugal)

C27 Elucidating the spatial distribution of both native and topically applied compounds within skin tissue using ToF-SIMS
Starr et al., University of Nottingam, Nottingham, UK

C28 Quantitative and simultaneous non-invasive infrared spectroscopic measurement of skin hydration and sebum levels
Ezerskaia et al., Department of Personal Care and Wellness, Philips Research, Eindhoven, The Netherlands

Q/A
Conclusion and Closure

18.00 ISBS General Assembly (all members)

20.00 Gala Dinner
09.15-09.45 **Conference** Skin Imaging of Astronauts after Long-Term Space Flights using Femtosecond Laser Multiphoton Tomography
*Karsten König, Saarland University, Saarbruecken and Jena, Germany*

*Moderator: Patricia Maia Campos & Razvigor Darlenski*

09.45-11.00 **What irritates the skin?**

**Podium Communications (~12 min each)**

**C29** Refining the STARS (Skin Trauma After Razor Shave) Bioassay
*Houser et al., cyberDERM, inc., Broomall, PA, USA*

**C30** Evaluation of cutaneous irritation and discomfort sensations induced by the repeated friction of cellulose tissues on the skin
*Thieulin et al., École Centrale de Lyon, Lyon, France*

**C31** The load tolerance of skin during impact on artificial turf
*van den Eijnde et al., Radboud University Nijmegen Medical Center, Nijmegen, The Netherlands*

**C32** The role of topical antioxidants in the prevention of skin inflammation
*Wagemaker et al., University of São Paulo, Faculty of Pharmaceutical Sciences of Ribeirão Preto, Ribeirão Preto, Brazil*

Q/A

11.00-11.30 **Coffee break and visit to Posters**

11.30-12.30 **Clinical Application of non-invasive measurements**
*Moderator: Stacy Hawkins & Chil H. Oh*

**Podium Communications (~12 min each)**

**C33** Infant Skin Maturation: Color Features and Biomechanical Properties Over the First Years of Life
*Visscher et al., Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA*

**C34** Nail and skin wettability "treatments effect"
*Lihoreau et al., CERT, University Hospital Besancon, Besancon, France*

**C35** Biometrology can help the dermatologist in his daily practice
*Fanian et al., CERT, University Hospital Besancon, Besancon, France*
C36 Unwelcome guests involved in inflammatory diseases: how to track these parasites?
Lihoreau et al., CERT, University Hospital Besancon, Besancon, France

Q/A

Lunch time

Plenary VI
The new ISBS Board will meet by 13.45 (room 6.1.27)

14.15-14.45 Conference Pattern recognition in medical research
Marília Antunes, U Lisboa FCUL, Lisboa, Portugal

Moderator: Catarina Rosado & Randy Wickett

14.45-15.45 Clinical Application of non-invasive measurements

Podium Communications (~12 min)

C37 Visual and mechanical properties of striae distensae on Chinese women
Nkengne et al., Laboratoires Clarins, Pontoise, France

C38 Automatic and consistent detection of facial hyperpigmented lesions and its application to efficacy evaluation of drug and quasi-drug spot treatment products
Qu et al., Amway R&D, Ada, Michigan, USA

Q/A

15.45-16.15 Coffee break

16.15 Final Session
Moderator: L. Monteiro Rodrigues, Klaus-Peter Wilhelm, Joachim Fluhr

Best Poster Award (3 min presentation (3 slides) of 10 selected posters)
Attribution of the ISBS Lisboa 2016 Best Poster Award by CBIOS (U. Lusofona’s Research Center in Biosciences and Health Technologies)

The Johann Wilhelm Ritter Award for Skin Imaging
Attribution of the ISBS Johann Wilhelm Ritter Award by JenLab

17.30 Conclusions and Closure