

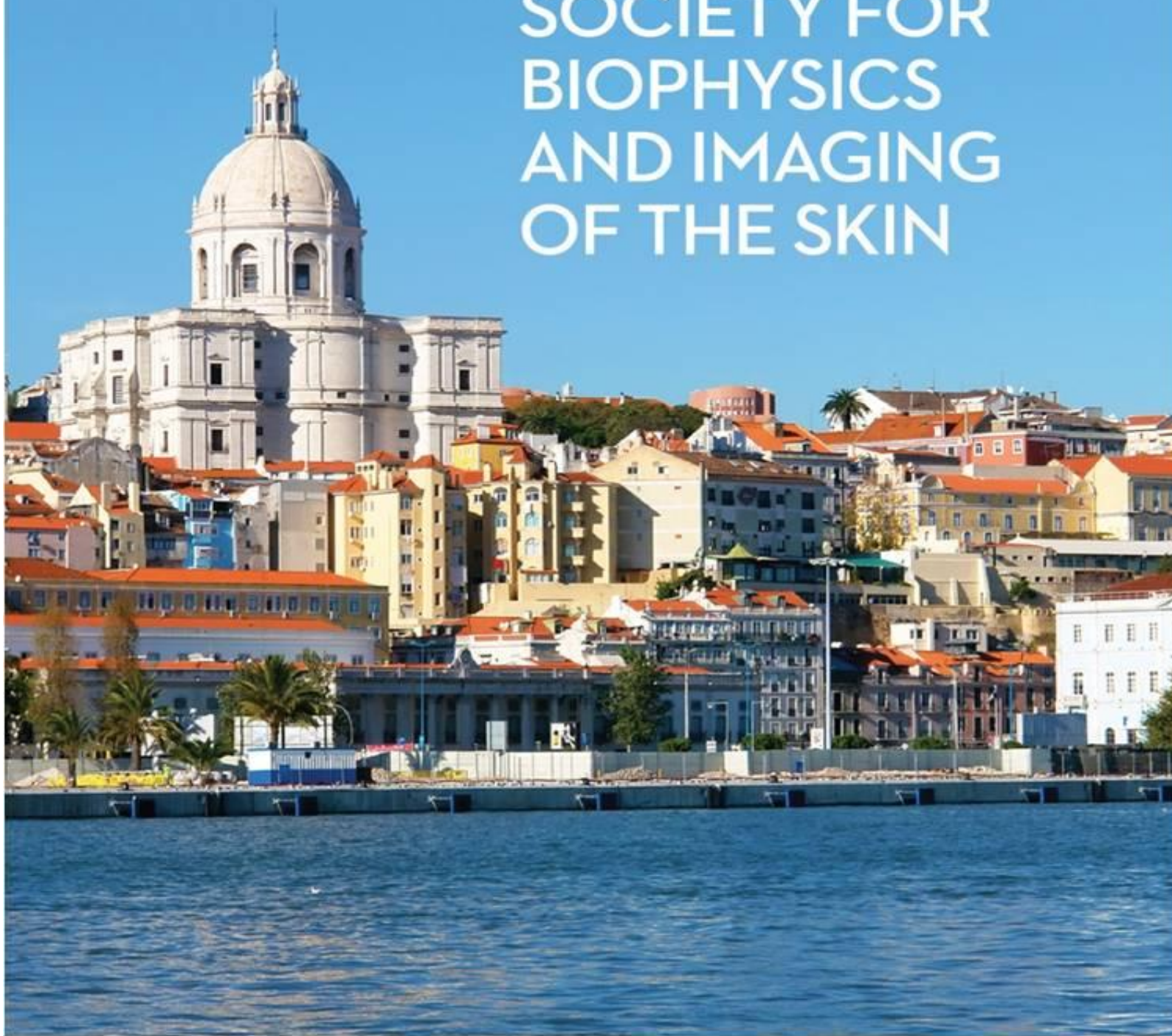
May 31st to June 3rd

FACULDADE DE CIÊNCIAS DA U LISBOA
AV. CAMPO GRANDE



WORLD
CONGRESS
LISBOA
2016

INTERNATIONAL
SOCIETY FOR
BIOPHYSICS
AND IMAGING
OF THE SKIN





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



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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., CBIOS- 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



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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 2nd 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 2photon microscopy

Sarri et al., Institut Fresnel, Marseille, France

C16 Shadow-Enhancing Facial Imaging and Age Perception

Rotella et al., Johnson & Johnson, Skillman, NJ, USA



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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



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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 Nottingham, 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**



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June 3rd Plenary V

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



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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**