



PROGRAMME

Wednesday 9 September

19h30 WELCOME CEREMONY (Museum of Fine Arts) and COCKTAIL DINNER

President : Pr Philippe HUMBERT



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Website

<http://sites.google.com/site/isbs2009/>

Organization

Des fourmis dans les jambes
contact@desfourmisdanslesjambes.fr

Durations (including questions) :

Invited speakers: 45'

Special lectures : 30'

Communications: 15'



Inserm

Institut national
de la santé et de la recherche médicale



Thursday 10 September

8h30 OPENING CEREMONY

9h00 *Invited speaker* : **Laurent Misery**

A sensory organ, the skin

9h45 SESSION 1 : NEW MODELS and METHODS

Chairmen:

J.L. Lévêque

G. Piérard

■ Capacitance imaging of skin lesions

J.L. Lévêque

■ The influence of *stratum corneum* hydration on body fat determination by bioelectrical impedance analysis

P. Clarys

10 h 15 – 10 h 45 Break

■ New techniques for occupational skin health surveillance

H. Taylor

■ Corneoxenometry: a *stratum corneum* toxicity model

G. Piérard

■ SkinGlossMeter – a novel device for the measurement of skin gloss

T. Lahtinen

11h30 *Invited speaker* : **Gladimir V.G. Baranoski**

Modeling light and skin interactions :
pitfalls and perspectives

12h15 Lunch

13h30 *Special lecture* : **Jean-Claude Guimberteau**

Through the epidermis

14h00 *Invited speaker* : **Stephen Boppart**

Innovations in skin imaging

14h 45 – 15 h 00 Break

AMPHI A

15h00 SESSION 2 : IMAGING and SPECTROSCOPY

Chairmen:

B. Querleux

K.P. Wilhelm

■ *In vivo* reflectance confocal microscopy: a new non-invasive tool for microscopical skin inflammation evaluation and management

M. Ardigo

■ Melanocytes and skin pigmentation: *in vivo* visualization and characterization by reflectance confocal microscopy high spatial resolution *in vivo* Raman analysis of human skin

G. Pellacani

■ Comparison of the *stratum corneum* thickness on forearm, leg, face and palmar measured by confocal Raman spectroscopy and confocal microscopy

A. Böhling

■ Skin hydration as measured by *in vivo* Raman spectroscopy: dry skin characterization and effect of body wash cleansers

S. Zhang

16 h 00 – 16 h 30 Break

■ High spatial resolution *in vivo* Raman analysis of human skin

S. Naito

■ *In vivo* measurement of the human epidermal thickness in different locations by multiphoton laser tomography

M.J.Koehler

■ *In vivo* Raman investigation of *stratum corneum* lipids: effect of natural aging

E. Guillard

■ Non-invasive multiphoton tomography of human skin with Dermalnspect™

H. Studier

In honor of Professors A. Kligman, H. Maibach, R. Marks, G. Piérard, H. Tagami and Mr. G. Khazaka



In memory of Pr. P.G. Agache

From surface to deepness

ISBS International Symposium



In association with ESCAD
European Society For Cosmetic & Aesthetic Dermatology

Besançon

From 9th to 12th of September 2009

PROGRAMME



Vauban

AMPHI B			
15 h 00	SESSION 3 : ETHNIC SKIN	Chairwoman	C. Guinot
	■ Skin colour diversity of Indian women		J. Latreille
	■ Factors influencing the severity of skin aging in Indian women		E. Mauger
	■ Typology of Maghreb skins		N. Ismaili
15h45	SESSION 4 : SKIN BIOMECHANICS	Chairmen :	A. Barel C. Flynn S. El Gammal
	■ Analysis of the dynamics of femoral skin acoustic properties under the conditions of graduated traction for lower limb congenital shortening		L.Grebenyuk
16 h 00 – 16 h 30 Break			
	■ Usage of mechanical acoustic parameters of investing tissues for diagnosis of hyperextension condition and plasticity reserve in reconstructive restorative treatment in orthopaedics and plastic surgery		L.Grebenyuk
	■ Mechanical characterization of <i>in vivo</i> human skin using a 3D force-sensitive micro-robot and finite element analysis		C. Flynn
	■ Numerical identification of initial stress within <i>in vivo</i> human skin		J.Chambert
	■ Evaluation of the elastic properties of the skin using the suction method (Cutometer®)		A. Barel
17h30 End of the day			
20h00 GALA DINNER: "Grange Grillard" typical dinner in ARBOIS (Jura)			

Friday 11 September



Victor Hugo

8h30	<i>Invited speaker</i> : Lars Norlén	Molecular cryo-electron tomography of skin	
9h15	<i>Special lecture</i> : Klaus Hoffmann	History of high frequency ultrasound	
9h45 – 10h15 Break			
AMPHI A			
10h15	SESSION 5 : SKIN PHYSIOLOGY and SKIN DISEASES	Chairpersons :	S. Hawkins R. Wickett
	■ Decorative tattoos and motivation for their removal : a prospective study in 151 patients living in South of France		C. Guinot
	■ The method of diagnosis of demodex		N. Kaluga
	■ Effects of partial sleep deprivation on face appearance and skin properties		F. Morizot
	■ Objectivation of the individual sensory state by the assessment of specific biophysical properties of the skin in different climatic conditions		A. Bigouret
	■ Clinical visualization of photodamaged skin by facial averaging		S. Hawkins
	■ Face morphing and age perception		A.Porcheron
	■ Neonatal Skin Maturation – <i>Vernix Caseosa</i> and Natural Moisturizing Factor		R. Wickett
	■ Mannose-6-phosphate improves the colour of skin following damage		S. Alam

In honor of Professors A. Kligman, H. Maibach, R. Marks, G. Pierard, H. Tagami and Mr. G. Khazaka



PROGRAMME



Louis Pasteur



Hôpital Saint-Jacques - Besançon

AMPHI B

10h30	SESSION 6 :	STRATUM CORNEUM and BARRIER FUNCTION	Chairmen :	H. Tagami H. Maibach
	■	The barrier function and water-holding capacity of the <i>stratum corneum</i> are not simply inter-related each other but are influenced by underlying pathological conditions as well as by body locations		H. Tagami
	■	Estimation of the <i>stratum corneum</i> diclofenac reservoir by chromametry		R. Clijsen
	■	Non-invasive bioengineering assessment of the skin barrier function in patients with chronic venous insufficiency		I. Angelova - Fischer
	■	Measurement of Inter- and Intra-cellular water in <i>stratum corneum</i>		M. Misra
	■	Macro-scale mathematical model for hydration and TEWL in intact <i>stratum corneum</i>		B. Imhof
	■	Experimental studies on the nature of <i>stratum corneum</i>		I. Sadiq
12h15	Lunch			
13h30	Invited speaker : Michel Manfait		Skin and vibrational microspectroscopies (Raman and FT-IR)	
14 h 15 – 14 h 30	Break			

AMPHI A

14h30	SESSION 7 :	SKIN OPTICS and DIGITAL IMAGING	Chairmen :	B. Gabard J.W. Wiechers
	■	Optical properties of the skin in the visible range; Application to the measurement of skin complexion		J. de Rigal
	■	Non-Invasive optical methods for the study of infant skin		G. Stamatias
	■	How to measure exactly the same location on the face as a function of time with digital photography ?		J.W. Wiechers
	■	IQMA Sphere as a diagnostic tool in the evaluation of cosmetic skin treatments		E. Viviant
	■	Innovative combination of <i>in vivo</i> methods to assess pores characteristics in surface and volume		L. Colomb
15 h 45 – 16 h 15	Break			
	■	Contactless apparatus with lateral and vertical micrometric resolution for real-time qualification of live tissue topography		C. Roques - Carnes
	■	Acquisition, visualization and exploration of stereoscopic images of skin with virtual reality		C. Guinot
	■	Distant evaluation of arsenic-induced skin hyperpigmentation and hyperkeratosis using digital skin images		T. Islam
	■	Advances in 3D stereo imaging		J.P. Thirion

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PROGRAMME



Citadel of Besançon



Salines Royales - Arc 8 Senans

AMPHI B			
14h30	SESSION 8 : <i>IN VITRO</i> BIODESIGN	Chairwomen :	A. Colonna D. Mougin
	■ <i>In vitro</i> skin surface titration : from macro to nano		M. Wagner
	■ Tretinoin in polyethylene glycol-phospholipids micelle : stability improvement and human fibroblasts viability		A. Wichit
	■ Three-dimensional imaging of collagen reorganization induced by mechanical stress in engineered skin tissue		A. Colonna
	■ Cell imaging connected with protein mapping to investigate glyphosate-induced toxicity on human keratinocytes		C. Heu
15 h 30 – 16 h 00	Break		
	■ Empetrum nigrum fruit extract a multilevel skin protector		T. Saquet
	■ Exploration of anti-ageing activity of Corsican « immortelle » Essential Oil. Technic and calculation of various markers on human skin explants maintained in survival		D. Davenne
16h30	SESSION 9 : ENGINEERING and PROTEOMICS	Chairwomen :	A. Colonna D. Mougin
	■ Effect of Filaggrin gene mutations on biophysical and biochemical skin properties in individuals with pathological dry skin		J. Latreille
	■ Influence of TNF- α polymorphism -308 on irritant dermatitis in health care workers		R. Wickett
17 h 15	End of the day		
20h00	CITADEL PARTY		
Saturday 12 September			
8 h 30	<i>Invited speaker</i> : Cees W.J. Oomens	Mechanical properties of human skin layers	
9 h 15	<i>Special lecture</i> : Mickaël Tanter	Quantitative <i>in vivo</i> imaging of tissues visco-elasticity using Supersonic Shear Imaging	
9 h 45 – 10 h 15	Break		
10 h 15	<i>Invited speaker</i> : Vera Rogiers	Safety and efficacy: cosmetic dossier and the EU regulation	
11 h 00	<i>Special lecture</i> : Klaus P. Wilhelm	Functional food, food supplements and the skin	
11h30	SESSION 10 : CLAIMS	Chairpersons :	V. Rogiers R. Bazin
	■ Developing a proper testing program for cosmetic advertising claim substantiation in the US		S.R. Schwartz
	■ New method of skin rejuvenation in aesthetic cosmetology and plastic surgery		N.V. Kaluga
	■ Corneometry in assessing health safety of skin purification products		O.I. Voloschenko
	■ Smile, beauty, self-perception and fulfillment in the society		S. Zemmouri
12h30	CLOSING CEREMONY		
14h00	Conducted tour : Salines Royales and Pasteur Route		

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