

**ISBS/SICC 1st JOINT INTERNATIONAL CONGRESS**  
**Milan, October 15th-16th 2013 – Leonardo Da Vinci Science and Technological Museum**

**SCIENTIFIC PROGRAM**

**October 15<sup>th</sup> 2013**

**Morning Session**

**“Museo Leonardo da Vinci” Auditorium**

8,30 **Registration**

9,00 **Exhibition and Poster Sessions to Open**

9,00 – 9,30

**Magisterial Lecture**

Social and Psychological Aspects of Organizations' and Human Beings' Ageing

G. Varchetta - Organizational Psychologist; Professor, Bicocca University of Milan – Consultant in Organizational Training

9,30 – 12,15

**Session 1: New insights in Skin Aging: Medical and Cosmetic perspectives**

**Chairman:** L. Brkich (Croatia)

9,30 New Insights on Biomechanics of Aged Skin through Mechanical Models of Stratum Corneum and Skin

Santoprete R, Querleux B.

L'Oréal – Research & Innovation, Aulnay sous Bois, France.

9,45 Analysis of Bound, Weakly Bound and Unbound Water inside the Stratum Corneum as a Function of Age and Body Site

Boireau-Adamezyk E<sup>1</sup>, Baillet-Guffroy A<sup>1</sup>, Stamatas GN<sup>2</sup>

<sup>1</sup>Université Paris Sud 11, Châtenay-Malabry, <sup>2</sup> Johnson & Johnson Santé Beauté France, Issy-les-Moulineaux, France.

10,00 Asymmetry in Crows Feet Wrinkles in a Sample of Female Subjects with Routine Environmental Exposures

Schwartz SR, Frumento RJ

International Research Services Inc., Port Chester, NY USA.

10,15 Characterization of Microthermal Zones using Reflectance Confocal Microscopy

Min Kyung Shin<sup>1</sup>, Jong Min Park<sup>2</sup>, Hee Kyeong Lim<sup>1</sup>, Jeong Hwee Choi<sup>1</sup>, Ji Hwoon Baek<sup>3</sup>, Han Jo Kim<sup>3</sup>, Jae Sook Koh<sup>3</sup>, Mu Hyoung Lee<sup>1</sup>

<sup>1</sup> Department of Dermatology, School of medicine, Kyung Hee University, <sup>2</sup>ZELL Dermatology & Cosmetic Laser Center, <sup>3</sup>Dermapro/Skin Research Center, Seoul, Korea

10,30 Changes in Mechanic Properties of Human Fibroblasts with Age and Influence of Anti-Ageing Peptide on Skin Cells Stiffness

Dulińska-Molak I<sup>1</sup>, Pasikowska M<sup>2</sup>, Pogoda K<sup>3</sup>, Tyszczyk B<sup>2</sup>, Lewandowska M<sup>1</sup>, Eris I<sup>2</sup>, Lekka M<sup>3</sup>

<sup>1</sup>Faculty of Materials Science and Engineering, Warsaw University of Technology, Warsaw,

<sup>2</sup>Dr Irena Eris Cosmetic Laboratories, Centre for Science and Research, Warsaw, <sup>3</sup>The Henryk Niewodniczanski Institute of Nuclear Physics, Polish Academy of Sciences, Krakow, Poland

10,45 – 11,15 **Coffee Break and Poster visit**

**11.15 – 11.45 Keynote Lecture**

P. Gerald

11,45 Non-Invasive Analysis Using Three-dimensional Ultrasound Tomography Demonstrates Gender- and Age-wise Differences in Facial Sebaceous Glands

Tomoko Sugawara<sup>1</sup>, Noriaki Nakagawa<sup>1</sup>, Norio Shimizu<sup>1</sup>, Nami Hirai<sup>1</sup>, Yoshifumi Saijo<sup>2</sup>, Shingo Sakai<sup>1</sup>

<sup>1</sup>Innovative Beauty Science Laboratory, Kanebo Cosmetics Inc; <sup>2</sup>Biomedical Imaging Laboratory, Graduate School of Biomedical Engineering, Tohoku University, Japan.

12,00 Raman Investigation of Skin Samples of Different Ages: Shedding Light on Collagen/Water Interactions

Nguyen TT<sup>1</sup>, Happillon T<sup>1</sup>, Feru J<sup>2</sup>, Brassart-Passco S<sup>2</sup>, Angiboust JF<sup>1</sup>, Manfait M<sup>1</sup>, Piot O<sup>1</sup>

<sup>1</sup>MÉDIAN Biophotonique et Technologies pour la Santé, SFR Cap-Santé, UFR Pharmacie, Université de Reims Champagne-Ardenne, Reims, <sup>2</sup>CNRS FRE 3481 MEDyC, SFR Cap-Santé, UFR Médecine, Université de Reims Champagne-Ardenne, France.

12,15 – 12,50 **Poster Session discussion**

5' each paper – see attached program

12,55 – 14,15 **Lunch**

**October 15<sup>th</sup> 2013**  
**Afternoon Session**  
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14,15 – 17,45

**Session 2: New Techniques for investigating skin ageing**

**Chairman:** Y. Yasan (Turkey), Randall Wickett (USA)

**14,15 Keynote Lecture**

Antioxidants and Skin Ageing: New Techniques for the in-vivo Determination of Carotenoids in Human Skin

Lademann J: Prof. of Dermatology at the Charité University of Berlin, Deutschland.

**14,45 Effects of Sun Exposure Habits on Skin Aging: a Multivariate Analysis**

Mercurio DG, Wagemaker TAL, Maia Campos PMBG.

Faculty of Pharmaceutical Sciences of Ribeirao Preto, University of São Paulo, Ribeirão Preto, SP, Brazil.

**15,00 Can Spatially Resolved Diffuse Reflectance Spectroscopy Emphasize Skin Collagen Changes?**

Roig B<sup>1</sup>, Koenig A<sup>1</sup>, Perraut F<sup>1</sup>, Piot O<sup>2</sup>, Manfait M<sup>2</sup>, Dinten JM<sup>1</sup>

<sup>1</sup>CEA, LETI, MINATEC, Grenoble; <sup>2</sup>MéDIAN Biophotonique et Technologies pour la Santé, FRE CNRS 3481 MEDyC, UFR Pharmacie, Reims, France.

**15,15 In-vitro Cytotoxicity Assay for Lipophylic Cosmetic Raw Material**

Pistis V<sup>1</sup>, Tamplenizza M<sup>1</sup>, Milani P<sup>1,2</sup>, Lenardi C<sup>1,2</sup>

<sup>1</sup>Fondazione Filarete, Milano; <sup>2</sup>CIMaIna, Dipartimento di Fisica, Università degli Studi di Milano, Italia.

**15,30 Characterization of the Anisotropy of Skin Tension during Aging: Morpho-mechanical Approach**

Zahouani H<sup>1</sup>, Vargiolu R<sup>1</sup>, Tschachler E<sup>3</sup>, Morizot F<sup>2</sup>

<sup>1</sup>University of Lyon, Laboratory of Tribology and Dynamic of Systems UMR-CNRS 5513. ENISE – ECLECL, Ecully; <sup>2</sup>CE.R.I.E.S, Neuilly Sur Seine; France; <sup>3</sup> Department of Dermatology, University of Vienna Medical School, Vienna, Österreich.

**15,45 Multiphoton Microscopy For High Precision Noninvasive Measurement of Age-related Accumulation of Advanced Glycation End-products in Human Skin**

Zobova S, Kirilkin I, Khiroug L; Neurotar Ltd, Helsinki, Finland.

16,00 – 16,30 **Coffee Break**

16,30 Viscoelasticity Properties of Human Skin Evaluated with High Frequency Ultrasound  
Yoshifumi Saijo<sup>1</sup>, Ryo Nagaoka<sup>1</sup>, Miki Horie<sup>1</sup>, Kazuto Kobayashi<sup>2</sup>  
<sup>1</sup>Graduate School of Biomedical Engineering, Tohoku University, Sendai; <sup>2</sup>Honda Electronics  
Co. Ltd., Toyohashi, Japan

16,45 Evaluation of Elastin/Collagen Content in Human Dermis in-vivo by Multiphoton  
Tomography – Variation with the Depth and Correlation with Aging  
Pittet<sup>1</sup> JC, O. Freis<sup>2</sup>, M.D. Vazquez-Duchêne<sup>2</sup>, G. Périé<sup>2</sup>, G. Pauly<sup>2</sup>  
<sup>1</sup>Orion Concept, Tours; <sup>2</sup>BASF Beauty Care Solutions France SAS, Essey-lès-Nancy, France.

17,00 Skin Ageing Measured by Multiphoton/CARS Tomography  
König K<sup>1,2</sup>, Weinigel M<sup>1</sup>  
<sup>1</sup>JenLab GmbH, Jena; <sup>2</sup>Saarland University, Department of Biophotonics and Laser  
Technology, Saarbrücken, Deutschland.

17,15 In vivo Assessment of Biomechanical Properties of Skin: Multilayer Approach  
Boyer G<sup>1</sup>, Ben Tkaya M<sup>1</sup>, Pericoi M<sup>2</sup>  
<sup>1</sup>Laboratoire PERITESCO, Montpellier; <sup>2</sup>Laboratoire PERITESCO, Paris, France.

17,30 Role of Ageing on the Biomechanics of Skin Damage Processes  
Levi K, Keller J.  
Bio-X Consulting, Mountain View, CA, USA.

17,45 – 18,10 **Poster Session discussion**  
5' each paper – see attached program

18.30 **Guided visit to the “Leonardo da Vinci Museum”**

20.30 **Gala Dinner at the “Polene Dinig Room”**

**October 16<sup>th</sup> 2013**  
**Morning Session**  
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9,00 – 12,00

**Session 3: Alternative strategies and future trends in skin ageing**

**Chairman:** Dimitri Melissos (Greece), L. Monteiro Rodrigues (Portugal)

9,00 **Keynote Lecture**

S. Pacillo: Mkt&Adv Cons. – Prof. of Strategic Marketing, Pavia and Padua Universities. Italia

9,30 **Advanced Automated Hair Detection and Evaluation of Hair Parameters**

Seise M, Böhling A, Bielfeldt S, Wilhelm KP

proDERM Institute for Applied Dermatological Research GmbH, Schenefeld/Hamburg, Deutschland.

9,45 **Crocin and Kaempferol, Powerful Skin Antioxidants, in *Crocus sativus L.* Flowers**

Zeka K<sup>1</sup>, Arroo RRJ<sup>2</sup>, Ruparelia KC<sup>2</sup>, Bhambra A<sup>2</sup>, Vegliò F<sup>1</sup>, Pajewski LA.<sup>1</sup>, Continenza MA<sup>3</sup>

<sup>1</sup>Dep. Ingegneria industriale, dell'informazione e di economia - Università degli Studi dell'Aquila, L'Aquila, Italia

<sup>2</sup>Leicester School of Pharmacy, Faculty of Health and Life Sciences, De Montfort University, The Gateway, Leicester, United Kingdom

<sup>3</sup>Dep. Medicina Clinica, Sanità Pubblica, Scienze della Vita e dell'Ambiente - Università degli Studi dell'Aquila, L'Aquila, Italia.

10,00 **L-ergothioneine protects mtDNA of Skin Cells from Damages induced by UVA**

Pasikowska M<sup>1</sup>, Sotyga A<sup>2</sup>, Marczak B<sup>1</sup>, Bazela K<sup>1</sup>, Eris I<sup>1</sup>

<sup>1</sup>Dr Irena Eris Cosmetic Laboratories, <sup>2</sup>Institute of Genetics and Biotechnology, Faculty of Biology, University of Warsaw, Warsaw, Poland.

10,15 **Combined Dual Chambered Topical Formulation in Acne Treatment**

Güngör S<sup>1</sup>, Kaytanlioğlu L<sup>2</sup>, Erdal Meryem S<sup>1</sup>, Özsoy Y<sup>1</sup>, Embil K<sup>2</sup>

<sup>1</sup>Istanbul University, Faculty of Pharmacy; <sup>2</sup>Embil Pharmaceutical Company, Istanbul-Turkey.

10,30 – 11,00 **Coffee Break**

- 11,00 Effective Treatment of Dry Mature Skin: Lipid Concentrate Based on Advanced Ceramide Technology for Improved Skin Barrier Function  
Schrader A, Menthel M, Maczkiewitz U, Farwick M  
Evonik Industries AG, Essen, Deutschland.
- 11,15 Nanostructured Lipid Carriers (nlc) loaded with CoQ10: Effect on Human Dermal Fibroblasts under Normal and UVA-mediated Oxidative Conditions  
Brugè F<sup>1</sup>, Damiani E<sup>2</sup>, Puglia C<sup>3</sup>, Offerta A<sup>3</sup>, Armeni T<sup>1</sup>, Littarru GP<sup>1</sup>, Tiano L<sup>1</sup>  
<sup>1</sup>Dipartimento di Scienze Cliniche Specialistiche ed Odontostomatologiche, <sup>2</sup>Dipartimento di Scienze della Vita e dell'Ambiente, Università Politecnica delle Marche, Ancona;  
<sup>3</sup>Dipartimento di Scienza del Farmaco, Università degli Studi di Catania, Catania, Italia.
- 11,30 Chitin-Hyaluronan Nanoparticles to deliver Anti-aging Active Ingredients through the Skin  
Morganti P<sup>1</sup>, Palombo M<sup>2</sup>, Fabrizi G<sup>3</sup>, Guarneri F<sup>4</sup>, Cardillo A<sup>5</sup>, Del Ciotto P<sup>5</sup>, Carezzi F<sup>5</sup>, Morganti G.<sup>5</sup>  
<sup>1</sup>Dermatology Depart., 2nd University of Naples, <sup>2</sup>Department of Plastic, Reconstructive and Aesthetic Surgery, CTO Hospital, Rome; <sup>3</sup>Dermatological Department, University of Parma, <sup>4</sup>Dermatological Department, University of Messina, <sup>5</sup>R&D, Centre of Nanoscience, Mavi Sud srl, Italia.
- 11,45 Skin and Nail Wettability – Decreasing Effect  
Elkhyat A<sup>1</sup>, Fanian F<sup>1</sup>, Guichard A<sup>1</sup>, Mac-Mary S<sup>2</sup>, Humbert P<sup>1</sup>  
<sup>1</sup>Research and Studies Center on the Integument (CERT), Department of Dermatology, Clinical Investigation Center (CIC BT506), Besançon University Hospital; INSERM UMR1098, FED4234 IBCT, University of Franche-Comté, Besançon, France  
<sup>2</sup>Skinexigence; Bioparc, Besançon, France.

12,00 – 12,55 **Poster Session discussion**  
5' each paper – see attached program

13,00 – 14,15 **Lunch**

**October 16<sup>th</sup> 2013**  
**Afternoon Session**  
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14,15 – 17,15

**Session 4: Efficacy claim substantiation in skin ageing**

**Chairman:** A.O. Dragomirescu (Romania)

**14,15 Keynote Lecture**

**Claim Substantiation for Anti-Ageing Product Efficacy. Evidence-Based or Fantasy?**

Prof. Klaus Peter Wilhelm – ProDerm Institute (Hamburg) and ISBS President.

**14,45 Changing Landscape for US Advertising Claim Substantiation**

Schwartz SR, Frumento JR

International Research Services, Inc., NY, USA.

**15,00 Imaging Human Sweat Pore and Molecular Penetration into Skin with Label free Nonlinear Microscopy (CARS, SRS)**

Chen X<sup>1,3</sup>, Gasecka P<sup>1</sup>, Pele D<sup>2</sup>, Formanek F<sup>2</sup>, Galey JB<sup>2</sup>, Rigneault H<sup>1,3</sup>

<sup>1</sup>Institut Fresnel, MOSAIC, CNRS, Université Aix-Marseille III, Ecole Centrale Marseille, Marseille; <sup>2</sup>L’Oréal Advanced Research, Aulnay sous Bois, France.

**15,15 In-vivo Product Efficacy Testing by Analyzing Epidermal Proteins Extracted from Tape Strips**  
Westman M<sup>1</sup>, Al-Bader T<sup>1</sup>, Merinville E<sup>2</sup>, Cattley K<sup>2</sup>, Lafon-Kolb V<sup>1</sup>, Darbon J<sup>2</sup>, Mavon A<sup>1</sup>, Laloef A<sup>1</sup>

<sup>1</sup>Oriflame Skin Research Institute, Stockholm, Sweden; <sup>2</sup>Oriflame R&D, Bray, Wicklow, Ireland.

**15,30 Efficacy Evaluation of new Cosmeceutical for Antiaging and the other Purposes using by Quantitative 3D Measuring of Skin Surface Contours.**

Jae Young Kim<sup>1</sup>, On Seok Lee<sup>2</sup>, Seung Han Ha<sup>1</sup>, Gun Woo Lee<sup>1</sup>, Mingi Kim<sup>4</sup>, Chil Hwan Oh<sup>1,3</sup>

<sup>1</sup>Research Institute of Skin Image, Korea University College of Medicine, Seoul;  
<sup>2</sup>Department of Radiological Science, Gimcheon University, Gimcheon; <sup>3</sup>Department of Dermatology, Korea University Guro Hospital, Seoul; <sup>4</sup>3D Information Processing Laboratory, Korea University, Seoul, Korea.

**15,45 Computer Modelling, in-vitro and in-vivo Efficacy Tests in Osmotic Protection Strategy**

Semenzato A<sup>1</sup>, Baratto G<sup>2</sup>, Portolan A<sup>2</sup>, Meloni M<sup>3</sup>, Pieraccini S<sup>4</sup>, Sironi M<sup>4</sup>, Bonfigli A<sup>5</sup>, Lionetti N<sup>6</sup>

<sup>1</sup>UNIR&D S.r.l – Università di Padova; <sup>2</sup>Unifarco S.p.A Santa Giustina (BL), <sup>3</sup>Vitroscreen S.r.l Milano, <sup>4</sup>Dept. Physical Chemistry University of Milano, <sup>5</sup>ISPE Milano, <sup>6</sup>Rigano Industrial Consulting Milano, Italia.

**16,00 Microclimate next to the Skin: Influence on Percutaneous Absorption of Caffeine (ex-vivo Study)**

Lboutounne Y<sup>1,2</sup>, Silva J<sup>1,2</sup>, Pazart L<sup>1,2</sup>, Bérard M<sup>4</sup>, Muret P<sup>2,3,4</sup>, Humbert P<sup>2,3,5</sup>

<sup>1</sup>Univ Hospital of Besançon CIT 808 Inserm; <sup>2</sup>Inserm UMR 1098; <sup>3</sup>Univ Franche-Comte,

<sup>4</sup>Univ Hospital of Besançon, Department of Clinical Pharmacology and Toxicology, <sup>5</sup>Univ Hospital of Besançon, Department of Dermatology, Besançon, France.

16,15 New Diagnostic Possibilities Using Electron Paramagnetic Resonance Spectroscopy to Develop Anti-Aging Strategies

Meinke MC, Lauer AC, Friedrich A, Arndt S, Haag SF, Lademann J.

Charité -Universitätsmedizin Berlin, Klinik für Dermatologie, Venerologie und Allergologie, Berlin, Deutschland

16,30 New Efficacy Evaluation Method for Whitening Cosmeceuticals

Jae Young Kim<sup>1</sup>, Sun Up Park<sup>1</sup>, On Seok Lee<sup>2</sup>, Seung Han Ha<sup>1</sup>, Gun Woo Lee<sup>1</sup>, Yoo Sang Baek<sup>3</sup>, Jong Sub Moon<sup>4</sup>, Chil Hwan Oh<sup>1,3</sup>

<sup>1</sup>Research Institute of Skin Image, Korea University College of Medicine, Seoul,

<sup>2</sup>Department of Radiological Science, Gimcheon University, Gimcheon, <sup>3</sup>Department of Dermatology, Korea University Guro Hospital, Seoul, <sup>4</sup>Neural network Lab, University, Seoul, Korea.

16,45 Reflection Spectrum Study on Women's Entire Faces and its Application to Cosmetics

Tada Akihiro<sup>1</sup>, Kitabatake Mana<sup>2</sup> and Toyohisa Shozo<sup>2</sup>

<sup>1</sup>pola Chemical Industries Inc., Yokohama; <sup>2</sup>kilt Planning Office Inc, Kawasaki, Kanagawa, Japan.

17,00 Tenskinmetric Evaluation of Adult Skin Energetical Changes Evidences from 902 Normal Subjects Monitored in Controlled Conditions

Bettero A, Dal Bosco C.

Department of Pharmaceutical and Pharmacological Sciences - University of Padova, Italia.

17,15 – 18,00 **Congress Closing**

18.30 **Guided Visit to the “Leonardo da Vinci Last Supper” (Invited Speakers)**

Organizing Secretariat: **Promoest Srl**

Piazza Piemonte 2, Milan

Phone: **+39 02 43912468**

E-mail: **isbs-sicc@promoest.com**

For details on the program, please visit the following sites:

**[www.sicc.it](http://www.sicc.it) - [www.i-s-b-s.org](http://www.i-s-b-s.org)**