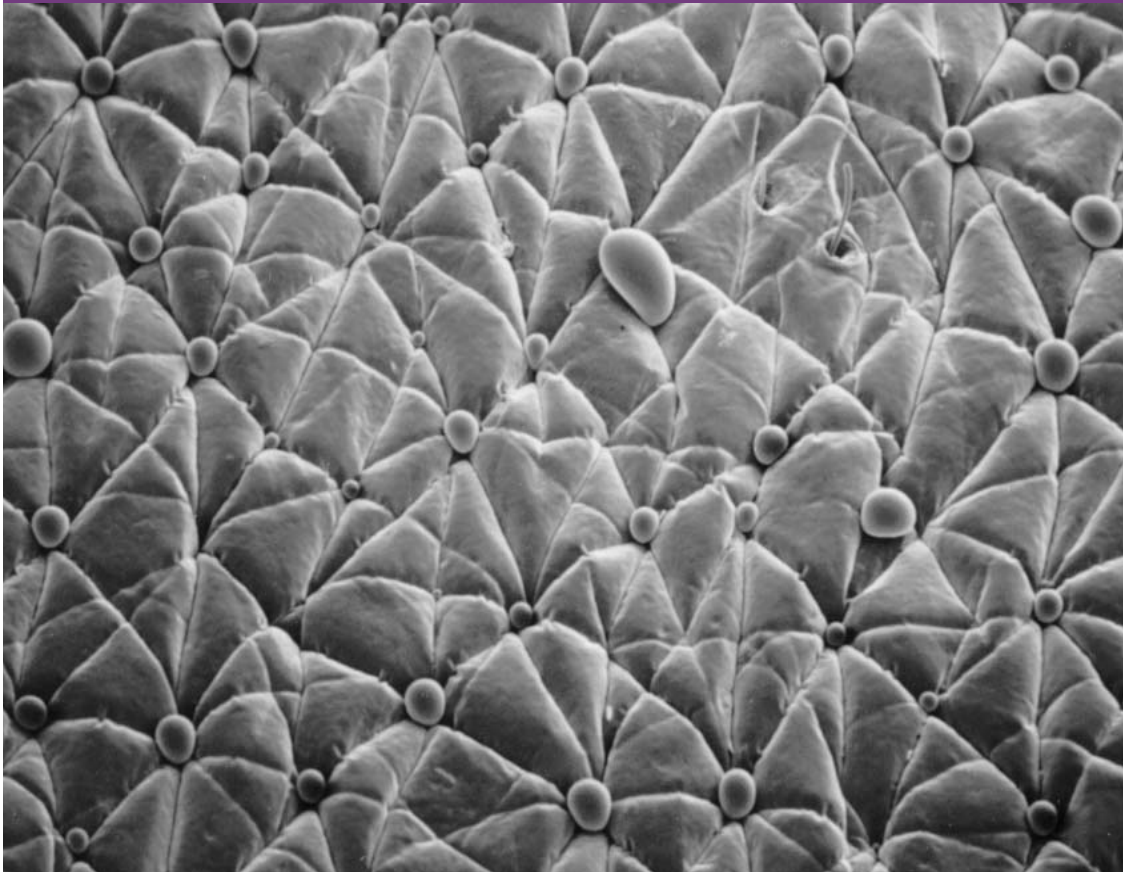


Skin

Target or Barrier?

Thursday 1 November 2007
SCI, London, UK



Organised by the Bioactive Sciences Group
& Skin Forum UK

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09.15 **Registration and Refreshments**

10.00 **Opening Remarks - 'The Skin Paradox'**

Dr Majella Lane, School of Pharmacy, University of London, UK

Session 1: Biophysical Techniques to Image the Skin

10.15 **Spectrum on Skin**

Prof Jonathan Hadgraft, School of Pharmacy, University of London, UK

10.50 **Stratum Corneum Barrier Function - New Measures of the Effects of Treatments delivered both to and through it**

Prof Paul Matts, Procter & Gamble, UK

Session 2: Targeting Drugs to the Skin

11.25 **Formulation Strategies to Overcome the Skin's Defence**

Prof Adrian Davis, Limeway Consulting, UK

12.00 **Vampex - Putting the Vamp into Psoriasis**

Dr Simon Ward, York Pharma, UK

12.35 **Lunch**



Session 3: Skin and Defence

14.00 **How We Lose Skin to Defend Ourselves**

Dr Tony Rawlings, AVR Consulting, UK

14.35 **Assessment of Percutaneous Absorption and its Role in Risk Assessment - Applications to REACH**

Dr Han van de Sandt, TNO Quality of Life, Netherlands

15.10 **Refreshment Break**

Session 4: Modelling Permeability Effects

15.40 **Quantitative Structure - Permeability Relationships - Useful or Useless?**

Dr Mark Cronin, Liverpool John Moores University, UK

16.15 **Modelling of the Effect of Formulation Factors on Skin Penetration**

Dr Taravat Ghafourian, Greenwich University, UK

16.50 **Closing Remarks**

17.00 **Close**

SYNOPSIS

The human skin has a dual function as a barrier to unwanted substances, but also as a delivery route for therapeutic chemicals. Both areas of science use similar technologies and techniques to assess the passage and influence of chemicals crossing the skin. Skin – target or barrier, a one day meeting, aims to bring together scientists interested in the problems relating to the transfer of xenobiotics into and across the skin. The programme will focus on understanding both the promotion and the retardation of dermal penetration. State of the art biophysical techniques for characterisation of permeant transport across membranes will be presented, with a particular emphasis on spectroscopic approaches to interrogate the skin. Formulation strategies for pharmaceuticals and cosmeceuticals will be reviewed. The development and application of models to predict skin toxicity will be addressed. The sourcing of data for toxicology quantitative structure-activity relationships (QSAR) will be discussed as well as the development and application of models for human health effects and the implications of the REACH initiative for the scientific and industrial community.

The programme includes presentations from internationally recognised leaders in the fields of skin permeation and dermal risk assessment. This meeting will be attended by scientists of all levels from academia, industry and regulatory agencies.

POSTERS

Delegates are invited to submit an abstract for poster presentation at this symposium. Abstracts should be no longer than 300 words and should be emailed to Tamlynnne Wilton at tamlynnne.wilton@soci.org before 12 October 2007.

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