Monday 27th April

**THESIS BSID Pre Conference Session**

10:00  Welcome

10.05 New advances in the management of atopic eczema
Associate. Prof Michael Ardem-Jones

10:35 New Horizons for Clinical Translational Research
Prof Stephen Holgate

11:05 Research activity and opportunity in Southampton
Prof Eugene Healy

11:30 Tea, coffee & posters

11:55 Research activity and opportunity at St John’s Institute
Prof John McGrath

12:20 Best SpR Paper - in depth and explained
Dr Richard Woolf

12:50 Lunch

14:00 **BSID Medal Presentation** - Introduced by Associate Prof Michael Ardem-Jones
Prof Robin Eady

**BSID Skin Club Symposium**

14:05 The skin basement membrane - what do we know now?
Prof John McGrath (UK)

14:35 Biofilms and the skin
Dr Jeremy Webb (UK)

15:15 Tea & coffee

15:45 The role of microbiota in wound repair
Dr Matthew Hardman

16:25 Microbes in Allergy and Autoimmunity Related to the Skin
Prof Harri Alenius (Finland)

17:05 UKTREND - an opportunity for research
Prof Nick Reynolds (UK)

17:35 Open Discussion

17:45 Welcome Reception: drinks, poster session & commercial exhibition

19.45 Buffet Dinner – Novotel Southampton
Scientific Session A – Chairpersons: Ryan O’Shaughnessy & John Connelly

08.30 O1 iRhom2: a novel regulator of wound healing and cancer
T. Maruthappu, A. Chikh, D. Kelsell

08.43 O2 iRHOM2 regulation of ADAM17 as a key regulator of epithelial growth factor and pro-inflammatory cytokine signaling
M. Brooke, S. Etheridge, B. Fell, D. Kelsell

08.56 O3 Generation of an in vitro three-dimensional model of X-linked recessive ichthyosis
F. McGeoghan, P. Dewan, M. Caley, M. Donaldson, E. O’Toole

09.09 O4 Patient-derived skin and in vitro skin models elucidate the roles of connexins in tissue repair
K. Hussey, C. Faniku, S. Baird, W. Stuart, P. Martin, C. Wright

09.22 O5 The impact of hyperpigmentation on mitochondria - a comparative approach to investigating bioenergetic pathways in melanoma and keratinocyte cell types
S. J. Boulton, M. Birch-Machin,

09.35 O6 How do HPV and VZV viruses disrupt epidermal structure? - the pivotal role of Kallikrein 6

09.50 Guest Lecture
Mechanistic insights into the evolving spectrum of systemic and biologic psoriasis therapeutics
Dr Richard Warren *

10.30 Coffee/Tea

Scientific Session B – Chairpersons: Sara Brown & David Kelsell

11.00 O7 Novel germline copy number changes involving PPP2R3B predispose to melanoma and congenital melanocytic naevi

11.13 O8 Dissecting the role of iASPP, a novel regulator of epidermal homeostasis, in keratinocyte skin carcinogenesis
D. Robinson, C. Harwood, D. Bergamaschi

11.26 O9 Phakomatosis pigmentovascularis is caused by somatic missense mutations in GNA11: a new addition to the mosaic G protein disorder group

11.39 O10 Functional inactivation of mutant K14 as a gene therapy for epidermolysis bullosa simplex using programmable nucleases
M. Aushev, J. Reichelt,
11.55 **Keynote Guest Lecture**
'The latest concepts in angiogenesis and cellular adhesion in skin biology'
Prof Hodivala-Dilke, QMUL, London

12.35 Lunch, Posters & commercial exhibition

**Scientific Session C – Chairpersons: Penny Lovat & Helen Young**

14:00 O11 Cutaneous SCC cell lines retain the genetic signature of human cutaneous SCC and recapitulate the histology of the original human tumour in mouse xenograft models

14.13 O12 Targeting mitogen-activated protein kinase kinase to prevent CXCR4–CXCL12 chemotaxis in cutaneous melanoma
A. McConnell, G. O’Boyle, M. Wright, R. Plummer, P. Lovat

14.26 O13 Transforming Growth Factor beta mediates loss of epidermal integrity and melanoma ulceration
R. Ellis, S. Verykiou, M. Anagnostou, D. Hill, E. Carling, P. Lovat

14.39 O14 Contribution of autophagy to the survival of melanoma-initiating CD271-positive subpopulations
S. Verykiou, D. Hill, R. Plummer, P. Lovat

14.52 Tea & Coffee

15.30 **British Photodermatology Group Guest Lecture**
'The acute and long-term adverse effects of solar ultraviolet radiation (UVR) on the skin’
Prof Anthony Young

16.10 O15 Robust detection of minimal sunburn in phototypes I to VI by infrared laser speckle contrast imaging of blood flux
B. Shih, D. Allan, F. de Gruijl, L. Rhodes

16.23 O16 Genetically-determined filaggrin deficiency does not influence erythermal sensitivity to ultraviolet radiation in human skin.

16:45 – 17.45 Annual General Meeting

18.25 – 19.00 Travel to Grand Café (BSID Annual Dinner)

19.00 Pre-dinner drinks/Drinks with the Committee

19.30 Annual Dinner – The Grand Café, Southampton
**Wednesday 29th April**

**Scientific session D – Chairpersons: Michael Ardem-Jones & Graham Ogg**

08.30 O17  The effect of chronological ageing on skin elasticity; a comparison between the ballistometer and cutometer methodologies  

08.43 O18  The costimulatory receptor OX40 is expressed by regulatory T cells and influences immune function in cutaneous squamous cell carcinoma  

08.56 O19  PI3K-gamma regulates Langerhans-cell mediated allergic type T cell activation in human skin.  
M. E. Polak, J. Masapust, C. Y. Ung, T. Freeman, M. Ardem-Jones

09.09 O20  A novel pathway of recognition of skin lipid antigens by T cells  
S. Subramaniam, E. Bourgeois, M. Salio, V. Cerundolo, B. Moody, G. Ogg

09.22 O21  Vδ1+ T cells in human skin provide evidence for innate-like T cells with implications for tissue lymphoid stress surveillance  
R. Woolf, O. Nussbaumer, A. Hayday

09.35 O22  Inhibition of BET bromodomains differentially regulates cytokine production in an in vivo skin inflammation model relevant to psoriasis  
K. Wu, M. Morse, M. Donaldson, N. Reynolds

09.48  **Special Guest Lecture**  
Antigen presentation in the skin  
Dr Muzlifah Haniffa

10.18  Tea/Coffee with Posters

**Scientific session E – Chairpersons: Muzz Haniffa & Frank Nestle**

11.00 O23  The role of lipids in inflammatory skin processes  
M. Olding, M. Ardem-Jones, E. Healy, T.M. Millar

11.13 O24  Cis-urocanic acid, a breakdown product of filaggrin, exerts an immunomodulatory effect on dendritic cells in vitro  
E. Natafji, C. Leitch, C. Yu, S. Howie, J. Schwarze, R. Weller

11.26 O25  IFNλ stimulates MxA production in human dermal fibroblasts via a MAPK-dependent STAT1-independent mechanism  

11.39 O26  Characterising the quality of CD4 and CD8 T lymphocyte proliferative responses to p-phenyldiamine.  
A. Popple, J. Williams, G. Maxwell, N. Gellatly, R. Dearman, I. Kimber

11.52 O27  In-vitro rapid diagnostic tests for severe drug hypersensitivity in children  

12.05 O28  Neutrophil Elastase activates the IL-36 receptor antagonist.  
12.20  **Distinguished Local Lecture**  
Prof Tim Elliott  
‘Understanding antigen presentation to T cells’

13.00  Close of meeting

13.15  Lunch

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