# BSID 2017 Clinical Translational Day - Monday 3\textsuperscript{rd} April

## Session A: Epidemiology

**Introduction & Welcome:** Dr Helen Young, BSID Chair

**CHAIRS:** Carsten Flohr & Sinead Langan

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| 09.45 | From patient care to policy - how translational research has set the global agenda for podococnosis  
*Prof Gail Davey, Brighton & Sussex Medical School, University of Brighton, UK* |
| 10.30 | Domestic hard water exposure in infancy and subsequent risk of childhood atopic eczema  
| (O2)  | Withdrawn                                                                     |
| 10.45 | Keratinocyte Carcinoma Prevention  
*Prof Martin Weinstock, Department of Dermatology, Brown University, Rhode Island, USA* |

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<td>11:30</td>
<td>Coffee</td>
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## Session A1: Translational Research *

**CHAIRS:** Helen Young & Mike Ardern-Jones

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| 11:50 | Proteomic analysis of filaggrin deficiency identifies molecular signatures characteristic of atopic eczema  
| 12:03 | The Manchester skin proteome  
*S. Hibbert, M. Ozols, C. Griffiths, M. Bell, R. Watson, M. Sherratt* |
| 12:16 | Preliminary validation of the IL-36 receptor as a potential therapeutic target in psoriasis  
_S. Mahil, M. Peakman, R. Trembath, J. Wright, J. Barker, F. Capon* |
| 12:29 | TBC                                                                            |
| 13:10 | Lunch & exhibition                                                           |

## Session B: Cutaneous Ageing **

**CHAIRS:** Rachel Watson & Helen Young

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| 14:15 | The role of mitochondrial DNA damage and function in skin ageing  
*Prof Mark Birch-Machin, Institute of Cellular Medicine, Newcastle University, UK* |
The ageing dermis
Dr Mike Sherratt, Division of Cell Matrix Biology & Regenerative Medicine, University of Manchester, UK

Tea & coffee & commercial exhibition

The ageing hair follicle
Prof Ralf Paus, University of Manchester, UK & Westfälische Wilhelms-Universität Münster, Germany

Adipocyte ageing
Prof Jin Ho Chung, Seoul National University Hospital, Seoul, Korea

Open Discussion

Poster session & commercial exhibition

Welcome Reception
BSID Annual Meeting 2017 - Tuesday 4th April

Scientific Session C:

**CHAIRS: Daniele Bergamaschi**

08.30 (O6) A mass spectrometry-based proteomics study of biomarkers relevant to development of metastases from cutaneous squamous cell carcinoma  
*A. Shapanis, C. Lai, J. Theaker, E. Parkinson, P. Skipp, E. Healy*

08.43 (O7) Inducible β-catenin activation and PTEN inactivation elicit follicular tumours, not papillomas: a potential paradigm for Trichilemmomas in Cowden’s Disease  
*J. Tan, J. Meszaros, L. Young, D. Greenhalgh*

08.56 (O8) The transgenic HPV8 Mouse skin is associated with Lrig1 keratinocyte stem cell expansion  

09.09 (O9) Inhibition of CXCR4-CXCL12 Chemotaxis by Trametinib to Prevent Melanoma Dissemination within the Cutaneous Microenvironment  
*A. McConnell, G. O’Boyle, R. Plummer, P. Lovat*

09.22 (O10) Modulation of autophagy reduces survival of trametinib-resistant, CD271 expressing melanoma subpopulations  
*S. Verykiou, S. Muthiah, R. Plummer, P. Lovat, D. Hill*

09.35 (O11) Elucidation of the Role of Transforming Growth Factor-β Signalling in Cancer Stem Cell Drug Resistance  
*H. Morgan, G. Patel, R. Clarkson, A. Clarke*

09.48 (O12) CD200 mediated basal cell carcinoma immune-evasion  

10.01 **Young Investigator Award 2017 Recipient**

10.01 – Introduction  
10.09 – Presentation  
10.29 – Q & A

10.39 Coffee/Tea

Scientific Session D:

**CHAIRS: Miriam Wittman & Marta Polak**

11.00 (O13) Evidence for trichohyalin-gliadin epitope sharing in Alopecia Areata and Celiac Disease  
*E. Paul, S.K. Sikkink, R. Sedman-Sutherland, R. Hashem Ahmed, A. Wright, D. J. Tobin*

11.13 (O14) Tolerogenic function of LC is regulated by signalling from epidermis  
*S. Sirvent, J. Davies, K. Clayton, P. Friedman, M. Ardern-Jones, M. E. Polak*

11.26 (O15) Human Papillomavirus modulates expression of the pro apoptotic PRAF2 protein as a mechanism for de-regulating keratinocyte differentiation  
*C. Wasson, D. Kealy, M. Muller, P. Rowell, A. Macdonald*
11.39 (O16)  Cathepsin S is up-regulated in psoriatic inflammation and activates the pro-inflammatory cytokine IL-36γ
   J. Ainscough, T. Macleod, A. Latzko, A. Alase, M. Wittmann, M. Stacey

11.52 (O17)  Tumour Associated Macrophage Recruitment in Cutaneous SCC

12.05 (O18)  Exploring The Role of microRNAs in Alopecia Areata
   D. Broadley, A. Sharov, J. Sundberg, N. Botchkareva

12.20  Keynote Guest Lecture
   Mast cells – can’t live with them, can’t live without them
   Prof Marcus Maurer, Charité - University Medicine Berlin, Germany

13.00 - 14.00 Lunch, commercial exhibition & Poster session
Scientific Session E:

CHAIRS: Ryan O'Shaughnessy & Gareth Inman

14:00 (O19) Toll-Like Receptor 1/2 signalling is required for hyperkeratosis in severe ichthyosis
H. A. Tagoe, S.Hassan, R. O'Shaughnessy

14.13 (O20) Towards understanding the role of AQP5 in the epidermis
D. Blaydon, E. O'Toole, D. Kellsell

14.26 (O21) Identification of Novel Pathways Linked to the Pathogenesis of Recessive X-Linked Ichthyosis
F. McGeoghan, M. Menon, P. Dewan, M. Caley, M. Donaldson², E. O'Toole¹

14.39 (O22) Upstream regulation of iRHOM2 pathway in keratinocytes.
P. Arcidiacono, A. Chikh, D. Kellsell

14.52 (O23) Identifying the molecular mechanisms of cyclosporine A (CsA): CsA enhances WNT/β-catenin signalling through the downregulation of the WNT inhibitor, SFRP1, in human hair follicles.
N. Hawkshaw, J. Hardman, I. Haslam, A. Shahmalak, R. Paus

15.05 Distinguished Local Lecture - A Life in Science”.
Prof Dame Nancy Rothwell, President & Vice-Chancellor of The University of Manchester and Professor of Physiology. The University of Manchester, UK

15.45 Tea & Coffee

16:15 – 17.30 Annual General Meeting

18.40 Pre-dinner drinks

19.10 Seated for dinner

BSID Medal Presentation

19:30 Introduction – Dr Helen Young, BSID Chair

19.45 Medal Presentation – Recipient: Prof Irene Leigh, Division of Cancer Research, University of Dundee

19.4 Annual Dinner
BSID Annual Meeting 2017 - Wednesday 5th April

Scientific Session F:

CHAIRS: Muzz Haniffa

09.00 (O24) Polymorphic light eruption is associated with reduced tight junction function and altered protein expression
E. Pond, L. Rhodes, N. Gibbs, C. O’Neill

09.13 (O25) Large intragenic deletion in DSTYK underlies autosomal recessive complicated spastic paraparesis (SPG23) associated with loss of skin and hair pigment

09.26 (O26) Congenital anonychia and uncombable hair syndrome: co-inheritance of homozygous mutations in RSPO4 and PADI3

09.39 (O27) Dysregulation of autoubiquitination resulting from mutations in KLHL24 in autosomal dominant epidermolysis bullosa simplex

09.52 (O28) Understanding the role of ABCA12 in the Pathogenesis of Harlequin Ichthyosis
F. Enjalbert

10.05 (O29) Understanding Angiogenesis in Squamous Cell Carcinoma with Loss of Type VII Collagen
S. Alexander, M. Caley, S. Marsh, E. O’Toole

10.20 Tea/Coffee, Exhibition & Posters

Scientific Session G:

CHAIRS: Girish Patel & Des Tobin

10.50 (O30) Spatial transcriptome profiling of human cutaneous squamous cell carcinoma reveals the evolution of cancer and cancer immune pathways

11.03 (O31) The molecular landscape of cutaneous SCC from immunosuppressed and immunocompetent patients reveals common drivers and a novel mutational signature associated with chronic azathioprine exposure

11.16 (O32) Contribution of melanoma TGF-β2 secretion to the loss of endothelial integrity and tumour metastasis.
D.Y. L. Tang, A. Murray, P. Giglio, M. Gagliardi, M. Corazzari, R. Ellis, P. Lovat

11.30 British Photodermatology Group Guest Lecture
Prof Lesley Rhodes, The University of Manchester, UK

12.10 Break
12.20 Lunch served in lecture theatre

Session H - Cutaneous senses: Touch, itch and pain – A Lilly Sponsored Symposium

Chairs: Martin Steinhoff and Nicole Ward

12.30 Chairpersons welcome

12.35 Painful skin conditions – an unmet need
  Dr Mike Ardem-Jones, University of Southampton

13.00 Mechanisms of cutaneous itch.
  Prof Martin Steinhoff, UCD Charles Institute of Dermatology, Ireland

13.25 Discriminative and affective touch
  Prof Francis McGlone, Liverpool John Moores University, UK

13.50 Coffee break

14.05 The neuroimmunology of psoriasis
  Dr Nicole Ward, Case Western Reserve University, USA

14.30 Translational research in dermatology.
  Prof Brian Nickoloff, Eli Lilly and Company, USA

14.55 – 15.00: Chairpersons summary and closing remarks

15.00 BSID 2017 PRIZES

15.30 - Close of meeting

*** This symposium has been organised and funded by Eli Lilly & Company