

CONFERENCE PROGRAMME

Thursday 5 December

08:00-09:00 **Registration, refreshments, exhibition and posters** Rooms 3A & 4B

09:00-10:30 Plenary session – (joint with BSI) Hall 1
Learning from cell signalling in immunodeficiency
Chairs: Martina Colicchia, Queen Mary, University of London and Dr Siniša Savić, UKPIN

09:00 **Welcome**
 President, BSI, and Chair, UKPIN
NF-κB transcription factors in the control of B-cell development
 Professor Ulf Klein, Professor of Immunology and Haemato-oncology, University of Leeds

09:30 **Activated PI3Kδ syndrome - pathological B cells and B cell lymphoma**
 Professor Klaus Okkenhaug, Professor of Immunology, University of Cambridge

10:00 **STIM1 regulates type I interferon response by retaining STING at the endoplasmic reticulum**
 Dr Sonal Srikanth, Adjunct Assistant Professor, UCLA, USA

10:30-11:00 **Refreshments, exhibition and posters** Rooms 3A & 4B

11:00-12:45 **Parallel sessions A**

A1: Pattern recognition in inflammation - from mechanisms to therapy (BSI & UKPIN) Hall 1

Chair: Paras Anand, Imperial College London and Gloria Lopez-Castejon, University of Manchester

A2: Immunology GeCIP/UKPIN Room 4A

Chair: Dr Suzanne Elcombe, Consultant Immunologist, Newcastle upon Tyne Hospitals NHS Foundation Trust and Dr Catherine Stroud, Consultant Immunologist, Newcastle upon Tyne Hospitals NHS Foundation Trust

A3: Nurses and AHPs Room 13

Chair: Jill Edmonds, Specialist Nurse, Manchester University NHS Foundation Trust

11:00 **New insights into inflammasome signalling and therapeutic inhibition**
 Associate Professor Kate Schroder, Principal Research Fellow, University of Queensland, Australia

11:00 **Understanding genetic results**
 Dr Tracy Briggs, Senior Lecturer Genomic Medicine, The University of Manchester and Honorary Consultant Clinical Geneticist, Manchester Centre for Genomic Medicine

11:00 **Transition**
 Rejoice Sango, Immunology and Allergy Specialist Nurse, University Hospitals of Leicester NHS Trust, and Richard Cawthorn, Children's Immunology Specialist Nurse, Leicester Children's Hospital

11:30 **AhR sensing of bacterial quorum and infection dynamics**
 Pedro Moura Alves, University of Oxford

11:25 **Immunology GeCIP – past, present and future**
 Professor Sophie Hambleton, Professor of Paediatrics & Immunology, Newcastle University

11:25 **Transition care: Why are adolescents important, what is all the fuss about? - transition to adult services**
 Louise Porter, National Lead Nurse for Transition, The Burdett National Transition Nursing Network

11:45 **Inhibition of NLRP3 by chloride channel (VRAC) inhibitors is independent of the essential VRAC component LRRC8a**
 Jack Green, University of Manchester

11:50 **Provision of genetic testing for PID and other rare immunological disorders in the NHS**
 Dr Kimberly Gilmour, Chief of Laboratory Medicine, Great Ormond Street Hospital for Children NHS Trust

11:50 **Nurse-led paediatric HAE service**
 Suzie Preston, Paediatric Immunology Clinical Nurse Specialist, The Leeds Teaching Hospitals NHS Trust

12:00 **CXCL4 in complex with natural DNA and RNA amplify TLR9- AND TLR7-DRIVEN interferon- γ signature in systemic sclerosis**
 Loredana Frasca, Istituto Superiore di Sanità (Italian Institute of Health)

12:15 **WGS via GEL/Counselling for genetic testing**
 Professor Anthony Williams, Professor of Translational Medicine and Honorary Consultant Clinical Immunologist, University of Southampton

12:15 **Patient open days**
 John Toolan, Senior Nurse, The Leeds Teaching Hospitals NHS Trust

12:15 **Inflammasomes in infectious and inflammatory disease**
 Professor Clare Bryant, Professor of Innate Immunity, University of Cambridge

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12:45-14:15 Lunch, exhibition and posters Rooms 3A & 4B

13:15-14:00 Sponsored lunchtime session – Takeda Room 3B

The first UK clinical experience of UK patients participating in the HELP study

Dr Sorena Kiani, Consultant Immunologist and Lorena Lorenzo, Clinical Nurse Specialist - discussing their experience at the Royal London Hospital

14:15-16:00 Parallel sessions B

B1: Autoimmunity - natural and man-made (BSI & UKPIN)

Hall 1A

Chair: Esperanza Perucha, King's College London, and Kathryn Steel, King's College London

14:15 **Checks and balances in autoimmunity - role of the CTLA-4 checkpoint**
Professor Lucy Walker, Professor of Immune Regulation, University College London

14:45 **The 11q13.5 immune risk locus contains a Treg-specific distal transcriptional enhancer required for resistance to colitis**
Rahul Roychoudhuri, Babraham Institute

15:00 **Investigation of predictive signatures of disease activity and development of novel therapeutic targets in systemic lupus erythematosus**
Cristiano Scotta, King's College London

15:15 **Determining the contribution of EGF-like growth factor HB-EGF in the differentiation of Th17 cells and Th17-mediated autoimmunity**
Felicity Macdonald, University of Edinburgh

15:30 **Autoimmune diabetes induced with checkpoint inhibitors**
Professor Kevan Herold, Professor of Immunobiology and of Medicine (Endocrinology), Yale University, USA

B2: Immunology GeCIP/UKPIN

Room 4A

Chair: Dr Kimberly Gilmour, Chief of Laboratory Medicine, Great Ormond Street Hospital for Children NHS Trust

14:15 **Interactive MDT**
Dr Kimberly Gilmour, Chief of Laboratory Medicine, Great Ormond Street Hospital for Children NHS Trust; Dr Siniša Savić, Clinical Associate Professor and Honorary Consultant Immunologist, University of Leeds; Professor Siobhan Burns, Professor of Translational Immunology, UCL Institute of Immunity and Transplantation; Professor Sophie Hambleton, Professor of Paediatrics & Immunology, Newcastle University; and Dr Smita Patel, Clinical Immunologist, University of Oxford

Short oral presentations

14:45 **Severe neutropenia and enterocolitis as predominant features associated with a novel missense mutation of ADA2**

Dr Anu Goenka, Clinical Lecturer in Paediatric Infectious Diseases and Immunology at the University of Bristol and Bristol Royal Hospital for Children

15:00 **Novel case of Tripeptidyl Peptidase 2 deficiency associated with mild immunodeficiency phenotype**
Dr Claire Stockdale, Immunology Registrar, St James' Hospital, Leeds

15:15 **'CRACing' a patient's phenotype**
Laura Rice, PhD student, University of Leeds

15:30 **Severe type I interferonopathy and unrestrained interferon signaling due to a homozygous germline mutation in STAT2**
Dr Chris Duncan, Clinician Scientist and Honorary Consultant in Infectious Disease, Newcastle University

15:45 **IL-6 receptor deficiency - novel primary immunodeficiency**
Dr Sarah Spencer, Academic Clinical Fellow Immunology, Cambridge University Hospitals NHS Trust and Dr Melanie York, Specialist Registrar, Sheffield Teaching Hospitals NHS Foundation Trust

B3: Nurses and AHPs

Room 13

Chair: John Toolan, Senior Nurse, The Leeds Teaching Hospitals NHS Trust

14:15 **Nurse-led family clinics**
Helen Braggins, Clinical Nurse Specialist Chronic Granulomatous Disorder, Great Ormond Street Hospital for Children NHS Trust

14:50 **The patient journey through gene therapy**
Jinhua Xu-Bayford, Gene Therapy / Immunology CNS Lead, Great Ormond Street Hospital for Children NHS Trust

15:25 **HyQvia**
Anne Sloan, Clinical Nurse Specialist in Allergy and Immunology, St James's Hospital, Dublin and Emily Carne, Advanced Nurse Practitioner and Lead CNS Immunology & Allergy, Immunodeficiency Service for Wales and National Allergy Service

16:00-16:30 Refreshments, exhibition and posters Rooms 3A & 4B

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16:30-17:30

Plenary session – (joint with BSI) Hall 1

Mechanism of inflammation in immunodeficiency

Chairs: Dr James Thaventhiran, Rutherford Fellow, MRC Toxicology Unit, University of Cambridge and Dr Smita Patel, UKPIN

16:30

Immune dysregulation as a manifestation of inborn errors of immunity

Professor Sophie Hambleton, Professor of Paediatrics and Immunology, Newcastle University

17:00

Primary immune regulatory disorders of the lymphocyte CBM complex

Dr Andrew Snow, Associate Professor, Uniformed Services University of the Health Sciences

17:30

Close of day

17:45-18:30

Sponsored session – Pharming Room 4A

Hereditary Angioedema and C1-INH - a relationship that matters

Introduction

Dr Patrick Yong, Frimley Park and Royal Surrey County Hospitals

C1-INH replacement vs targeted therapy in HAE

Dr Hilary Longhurst, University College London Hospitals

Which treatment for which patient?

Professor Anna Valerieva, Medical University of Sofia, Bulgaria

Summary and close

Dr Patrick Yong, Frimley Park and Royal Surrey County Hospitals

19:45-late

Gala dinner (by pre-booked ticket only)

Hilton Liverpool City Centre (3 Thomas Steers Way, Liverpool L1 8LW)

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Friday 6 December 2019

07:45-08:45 **Registration, refreshments, exhibition and posters** Rooms 3A & 4B

08:45-10:15 **Parallel sessions C**

C1: Clinical Room 3B	C2: Laboratory Room 4A
<p>Chair: Dr Tomaz Garcez, Consultant Immunologist, Manchester University NHS Foundation Trust</p>	<p>Chair: Dr Kimberly Gilmour, Chief of Laboratory Medicine, Great Ormond Street Hospital for Children NHS Trust</p>
<p>BMT for adults with PID Dr Venetia Bigley, Clinical Senior Lecturer and Honorary Consultant Haematologist, Newcastle University and Newcastle Hospitals NHS Foundation Trust</p>	<p>Complement immunology diagnostics Dr Adrian Heaps, Consultant Clinical Scientist in Immunology, South Tees University Hospitals NHS Trust</p>
<p>QPIDS update and annual census Dr Claire Bethune, Consultant Immunologist, Plymouth Hospitals NHS Trust</p>	<p>Update on new-born screening for SCID Dr Stuart Adams, Organisational Lead Healthcare Scientist, Great Ormond Street Hospital Children NHS Foundation Trust</p>
<p>The role of the Clinical Reference Group in driving policies in immunology and allergy Dr Siraj Misbah, Consultant Immunologist, Oxford University Hospitals NHS Trust and Honorary Senior Clinical Lecturer, University of Oxford</p>	<p>National Immunology audit - results from Immunology audit 1 & 2 Dr Ross Sadler, Consultant Clinical Scientist, Oxford University Hospitals Foundation NHS Trust</p>
<p>Guidelines development Dr Claire Bethune, Consultant Immunologist, Plymouth Hospitals NHS Trust</p>	

10:15-11:00 **Refreshments, exhibition and posters** Rooms 3A & 4B

10:25-10:55 **Takeda HAE training sessions** Room 4A

11:00-12:25 Plenary session – Grand round and Great debate Room 3B
Chair: Dr Siniša Savić, Clinical Associate Professor and Honorary Consultant Immunologist, University of Leeds and Dr Rashmi Jain, Consultant Immunologist, Oxford University Hospitals Foundation NHS Trust

11:00	Grand round
11:00	Human thymic stromal cell defects - emerging clinical dilemmas Dr Fatima Dhalla, Specialist Registrar (ST6) in Clinical Immunology, John Radcliffe Hospital, Oxford
11:20	A case of adult onset agammaglobulinaemia, extensive lymphoproliferation, and multiorgan lymphohistiocytic infiltration - a diagnostic and treatment dilemma Dr Stephen Boag, ST7 Immunology Trainee, Newcastle upon Tyne Hospitals NHS Foundation Trust
11:40	Great debate – “Immunoglobulin replacement - only immunologists can prescribe!” Panellists: For – Professor William Egner, Consultant Immunologist, Sheffield Teaching Hospitals NHS Foundation Trust Against – Dr Aarnoud Huissoon, Consultant Immunologist, University Hospitals Birmingham NHS Foundation Trust

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12:25-13:25 **Lunch, exhibition and posters** Rooms 3A & 4B

12:50-13:20 **Takeda HAE training sessions** Room 4A

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13:25-14:05 **AGM** Room 3B

13:25 **UKPIN Annual General Meeting**

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14:05-15:35 **Parallel sessions D**

D1: Clinical Room 3B

Chairs: Dr Smita Patel, Clinical Immunologist, University of Oxford and Dr Ravi Sargur, Consultant Immunologist, Sheffield Teaching Hospitals NHS Foundation Trust

PID-BRIDGE project update:

Novel gene discovery

Dr James Thaventhiran, Rutherford Fellow, MRC Toxicology Unit

PID-BioResource

Professor Siobhan Burns, Professor of Translational Immunology, UCL Institute of Immunity and Transplantation

HAE - new treatment options

Dr Sorena Kiani, Consultant Immunologist, Barts Health NHS Trust

Secondary HLH/MAS - an update

Dr Rachel Tattersall, Consultant Adolescent Rheumatologist and Clinical Lead for Sheffield MSK Service, Sheffield Children's NHS Foundation Trust

D2: Nursing Room 4A

Chair: John Toolan, Senior Nurse, The Leeds Teaching Hospitals NHS Trust

PID and genetics

Dr Tracy Briggs, Senior Lecturer Genomic Medicine, The University of Manchester and Honorary Consultant Clinical Geneticist, Manchester Centre for Genomic Medicine

Providing psychological support to patients with immunodeficiency

Dr Mari Campbell, Consultant Clinical Psychologist, Royal Free London NHS Foundation Trust

Home IVIG case studies

Peter Pimblett, Specialist Nurse, Manchester University NHS Foundation Trust

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15:40-16:15 **Plenary session and poster prizes** Room 3B

Chairs: Dr Smita Patel, Clinical Immunologist, University of Oxford and Dr Ravi Sargur, Consultant Immunologist, Sheffield Teaching Hospitals NHS Foundation Trust

15:40 **Acquired systemic autoinflammatory disorders**

Dr Šiniša Savić, Clinical Associate Professor and Honorary Consultant Immunologist, University of Leeds

16:05 **Presentation of poster prizes and closing comments**

16:15 **Close of conference**