



REFLECTIONS AND FUTURE DIRECTIONS

13th – 14th September 2022
Park Regis, Birmingham

Day one – Tuesday 13th September

09:00 - 10:00	Arrival and Registration	
10:00 – 10:15	Welcome Address Dr Deborah Sage and Dr Colin Brown	Level 16 Sky Gallery
10:15 – 12:00	Plenary Session I: Post-pandemic Reflections - Lessons Learnt <i>Chairs: Arthi Anand and Carla Rosser</i> HLA polymorphisms and virus-specific immune responses in Controlled Human Infection Models and vaccine studies - Dr Stephanie Ascough, Research Associate, Department of Infectious Disease, Imperial College HLA polymorphisms and responses to aerosolised COVID-19 vaccination – Dr Nana Marie Lemm, Clinical Research Physician and clinical PhD Candidate, Imperial College London OTDT and the pandemic - Lisa Mumford - Head of OTDT Studies, NHS Blood and Transplant Reflections on the path to recovery: donor infection and recipient immunisation – Dr Ines Ushiro-Lumb - Consultant Virologist, Lead Microbiologist for Organ and Tissue Donation and Transplantation, NHS Blood and Transplant	
12:00 - 13:30	Lunch & Trade Exhibition	
12:40 - 13:00	Level 16 Sky Gallery Trade session 1 – CareDX AlloSeq HCT – A Simple NGS Technique Designed Specifically for Post-Transplant Engraftment Monitoring <i>Speaker: Paul Kyle, CareDx</i>	Dunlop Trade session 2 – VH Bio From Antigens to Epitopes: Tools to Better Define Antibodies <i>Speaker: Ben Adams, Manager of Transplant Products and Laboratory Services</i>
13:05 - 13:25	Level 16 Sky Gallery Trade session 3 – Immucor You asked, we listened: Latest innovations to enhance your antibody testing strategies <i>Speakers: Dr Christine Heylen - Sr. Director, International Commercial Scientific Affairs, Transplant, Immucor</i>	Dunlop Trade session 4 – STEMCELL Technologies Rapid, Automated Cell Isolation Directly from Whole Blood <i>Speaker: Christine Barr, Field Applications Scientist, Immunology, Europe at STEMCELL Technologies</i>

	<i>William Midwinter - Technical Sales Specialist, Transplant, Immucor</i>	
13:30 – 14:30	Paul Sinnott Next Generation Scientist Award <i>Chairs: Martin Howell and Deborah Pritchard</i>	Level 16 Sky Gallery
	<p>O1 - A Retrospective Analysis to Evaluate if KIR B Haplotype Donors Confer a Reduced Risk of Relapse in Patients with Haematological Malignancies following Haploidentical Transplantation at the Blood and Bone Marrow Unit at Hammersmith Hospital ICHNHST – Chris Byrnes</p> <p>O2 - Establishing the link between pre-transplant immunological risk, post-transplant donor- specific antibody development and transplant outcome in cardiac transplants – Rebecca Cope</p> <p>O3 - The impact of HLA-DPB1 match status on haematopoietic stem cell transplant outcomes – Rachael Cole</p> <p>O4 - Removal of platelet glycoprotein GPIIb/IIIa and HLA Class I antibodies for a patient with Glanzmann’s thrombasthenia to facilitate successful mitral valve replacement surgery supported by HLA-selected platelet transfusions – Sophie Chambers</p> <p>O5 - Validation of LABScreen™ Luminex® kits for the detection and characterisation of HLA IgM antibodies – Katie Whittle</p> <p>O6 - The Significance of anti-MICA Antibodies in the Differential Antibody Mediated Rejection of Pancreas Following Simultaneous Pancreas and Kidney Transplantation – Deeya Balgobin</p>	
14:30 – 16:00	Plenary Session II: Current Novel Therapies <i>Chairs: Steven Marsh and Anthony Poles</i>	Level 16 Sky Gallery
	<p>Pharmacogenomics – past, present and future – Dr Martin Howell - Head of Histocompatibility & Immunogenetics Service Development, NHS Blood and Transplant</p> <p>‘Universal’ CAR T cell therapies for haematological malignancies – Dr Kanchan Rao - Consultant in Bone marrow Transplant, Great Ormond Street Hospital</p> <p>The Influence of HLA Genotype on the Development of Metal Hypersensitivity Following Joint Replacement Surgery - David Langton – Director, ExplantLab</p>	
16:00 – 16:30	Tea & Coffee	
16:30 – 17:30	Festenstein Lecture <i>Chairs: Colin Brown and Paul Wright</i>	Level 16 Sky Gallery
	<p>Leveraging HLA Disease Associations to Learn about Human Immunity - Dr Becca Asquith - Professor of Mathematical Immunology, Imperial College, London</p>	
17:30 – 18:30	Poster Session and Canapés & Wine reception	
19:30 - late	Conference dinner and networking Park Regis Hotel, Birmingham	



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Day two – Wednesday 14th September

08:30 - 09:00	Arrival and Registration
09:00 – 10:30	<p>Plenary Session III: Future Directions Level 16 Sky Gallery <i>Chairs: Sarah Peacock and Olivia Shaw</i></p> <p>Non-HLA antibodies - Update from Workshop – Dr Ray Fernando, Clinical Scientist, Solid Organ Group, Anthony Nolan, Royal Free Hospital</p> <p>The Role of Transplant Immunology in VCA: The Leeds Way - Dr Brendan Clarke, Consultant Clinical Scientist, St James’s University Hospital</p> <p>The UK Hand Transplantation Programme - Professor Simon Kay OBE FRCS, Lead Clinician UK Hand Transplant Service, Leeds General Infirmary</p>
10:30 – 11:00	Tea & Coffee
11:00 – 12:00	<p>Best Abstracts Level 16 Sky Gallery <i>Chairs: David Briggs and Helena Lee</i></p> <p>O7 - Use of immunoabsorption in an ex-vivo laboratory setting to provide a potential intraoperative desensitisation methodology for paediatric cardiothoracic transplantation – Richard Issitt</p> <p>O8 - Withdrawn</p> <p>O9 - HNA-1 genotyping: detecting FCGR3B-specific polymorphisms – Jessica Brookes</p> <p>O10 - NHSBT experience of the HITAlert diagnostic testing kit for the investigation of heparin-induced thrombocytopenia (HIT) and vaccine induced/associated thrombotic thrombocytopenia (VITT/VATT) – Matthew Hopkins</p> <p>O11 - Case Report on a relapsed Post-HSCT patient with Donor Cell Derived Myelodysplastic Syndrome (MDS) –a collaborative effort for diagnosis and treatment between the H&I laboratory and the Specialist Integrated Haematological Malignancy Diagnostic Service (SIHMDS) at Imperial College NHS Trust – Betia Nouri</p> <p>O12 - NGS as a tool to detect cancer-derived SNPs in a subset of cells in patients with Haematopoietic malignant diseases – Dario Merlo</p>

12:00 – 13:30	Lunch & Trade Exhibition	
12:40 - 13:00	<p>Level 16 Sky Gallery Trade session 5 – Omixon</p> <p>The NanoTYPE Beta study - Nanopore Sequencing as the New Solution for Routine and Urgent Donor Typing</p>	<p>Dunlop Trade session 6 – Promega</p> <p>Engraftment monitoring using STRs following repeat haematopoietic stem cell transplantation <i>Dr Anna Barker, Manchester University NHS FT</i></p>
13:05 - 13:25	<p>Level 16 Sky Gallery Trade session 7 – Alpha Biotech Ltd</p> <p>New developments in pre- and post-transplant diagnostics NGS Chimerism and HLA fast-typing using Nanopore sequencing <i>Speaker: Jan Duiker, Distribution Channel Director, GenDx</i></p>	<p>Dunlop Trade session 8 - Devyser</p> <p>Knowing is half the battle: An end-to-end NGS chimerism monitoring solution for HSCT recipients. <i>Speaker: Connor Dove, Field Application Specialist, Devyser</i></p>
13:30 – 14:30	Level 16 Sky Gallery	
	<p>BSHI MDT Solid organ and HSCT cases study presentations <i>Chairs: Deborah Sage, Brendan Clarke and Sharon Vivers</i></p> <p>O13 - Surrogate listing of unacceptable antigens to avoid predictable positive crossmatch offers – Sandra Lloyd</p> <p>O14 - Update to the BSHI/BTS HLA antibody guidelines in relation to liver transplantation illustrated through a case study – Sarah Peacock</p> <p>O15 - Case study – First HNA-3a antibody incompatible living donor kidney transplant case for desensitisation –Sarinder Day</p> <p>O16 - Possible HLA sensitisation of a paediatric renal patient following live Varicella Zoster vaccination – Katherine Mounsey</p> <p>O17 - Successful Haploidentical Haematopoietic Progenitor Stem Cell Transplantation (HPCT) following antibody removal of high-level donor-specific antibodies – Alison Logan</p> <p>O18 - HLA antibodies and unrelated donor selection for a patient requiring an urgent stem cell transplant – Anna Barker</p>	
14:30 – 15:00	Tea & Coffee	
15:00 – 16:00	<p>Terasaki Lecture</p> <p><i>Chairs: Andrea Harmer and Katy Latham</i></p> <p>Understanding the antibody barrier in kidney transplantation (or; so long and thanks for all the antibodies!) – Professor David Briggs, Consultant Clinical Scientist, NHSBT Birmingham</p>	Level 16 Sky Gallery
16:00 – 16:30	Closing ceremony & awards	