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# Frontiers in Transplantation

## Clinical Excellence through Innovation

Organising committee: Alberto Sanchez-Fueyo, Nilou Safinia, Pankaj Chandak

4 – 5<sup>th</sup> March 2025

VIRTUAL

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## PROVISIONAL PROGRAMME

Day 1: clinical updates			
Time		Topic	Speaker
08:50	09:00	Introduction to the course	<b>Organisers</b>
09:00	09:30	Breaking out of the dichotomy of rejection vs toxicity in liver transplantation	<b>Alberto Sanchez-Fueyo</b> , Professor Hepatology, KCL and King's College Hospital
09:30	10:00	Robotics in kidney transplantation	<b>Ioannis Loukopoulos</b> , Consultant Transplant Surgeon, Guy's Hospital
10:00	10:30	The Current status of machine perfusion in liver transplantation: critical appraisal	<b>Miriam Cortes Cerisuelo</b> , Consultant in Adult and Paediatric Liver Transplantation - King's College Hospital NHS Foundation Trust
10:30	11:00	Cytotoxic complement inhibition to reduce delayed graft function in kidney transplantation; the EMPIRIKAL-2 study	<b>Theodoros Kasimatis</b> , Consultant Nephrologist at King's College Hospital
11:00	11:30	TBC	<b>TBC</b>
11:30	11:45	<i>Break</i>	
11:45	12:15	Liver allocation: all about transplant benefit?	<b>Varuna Aluvihare</b> , Transplant Hepatology and Governance Lead - King's College London/King's College Hospital
12:15	12:45	AI in Healthcare and implications for transplantation	<b>Muhammad Khurram</b> , Transplant and Vascular Access Surgeon, Royal London Hospital
12:45	13:30	<i>Break</i>	
13:30	14:00	Liver Transplantation for Acute on Chronic Liver Failure	<b>William Bernal</b> , Consultant and Professor of Liver Critical Care Medicine, the Institute of Liver Studies, London
14:00	14:30	The future of transplant oncology	<b>Krishna Menon</b> , Consultant Liver Transplant and HPB Surgeon - King's College Hospital NHS Foundation Trust
14:30	15:00	<i>Break</i>	
15:00	15:30	Organ Utilisation update NHSBT	<b>Chris Callaghan</b> , Consultant Transplant Surgeon, Guy's Hospital
15:30	16:00	Paediatric Transplantation – update and state of art	<b>Nicos Kessarlis</b> , Consultant Adult & Paediatric Transplant Surgeon, Guy's & St Thomas' NHS Foundation Trust
16:00	16:30	Polycystic Kidney Disease – clinical update and future innovations	<b>Ismail H Mohamed</b> , Consultant, Barts Health NHS Trust

Day2: bench to bedside			
Time		Topic	Speaker
08:50	09:00	Introduction	<b>Organisers</b>
09:00	09:30	Immunological basis of tolerance - from mouse to human	<b>James Hutchinson</b> (virtual)
09:30	10:00	Regenerative Medicine – Photoreceptor Transplantation for retinal degeneration	<b>Robin Ali</b>
10:00	10:30	Modelling lymphatics and fibrotic diseases/ basic science	<b>David Long</b> , Professor in Paediatric Nephrology at UCL Great Ormond Street Institute of Child Health
10:30	11:00	<b>Break</b>	
11:00	11:30	Using CAR-T cells to target B cells in cancer and autoimmunity	<b>Reuben Benjamin</b> , Haematologist and Clinical Senior Lecturer, KCL/King's College Hospital
11:30	12:00	Metabolic control of regulatory T cells in liver diseases	<b>Nilou Safinia</b> , MRC Clinician Scientist (KCL)/Honorary Consultant Transplant Physician, King's College Hospital
12:00	12:30	Liver cell replacement and regeneration transplantation	<b>Foad Rouhani</b> , Group Leader/ Honorary Consultant Transplant Surgeon, The Francis Crick Institute/Kings College Hospital
12:30	13:15	<b>Break</b>	
13:15	13:45	HLA molecular mismatch and immunological risk – ready for clinical practice?	<b>Vassilis Kosmoliaptsis</b> , Honorary Consultant Abdominal Transplant, HPB and Endocrine Surgeon, Addenbrooke's Hospital (format to be confirmed)
13:45	14:15	Assessing sensitisation in transplantation	<b>Oriol Bestard</b> (virtual), Head of the Kidney transplant program at Bellvitge University Hospital, Associate Professor at Barcelona University
14:15	14:45	Vascular organoids to study diabetic nephropathy	<b>Gideon Pomeranz</b> , Research fellow, Institute of Child Health
14:45	15:00	<b>Break</b>	
15:00	15:30	Opportunities for personalised medicine in lung transplantation	<b>Anna Reed</b> , Consultant in respiratory and transplant medicine, Harefield Hospital
15:30	16:00	Regulatory T cell immunotherapy in transplantation	<b>Alberto Sanchez-Fueyo</b> , Professor Hepatology, KCL and King's College Hospital
16:00	16:45	Keynote conference	<b>Paolo de Coppi</b> , Consultant Paediatric Surgeon/ Head of Stem Cells and Regenerative Medicine, Great Ormond Street Hospital (GOSH)/ UCL Institute of Child Health in London.