

Hybrid Conference Programme

Start (BST)	Finish (BST)	Presenter details
Wednesday 22 May 2024		
12:00	13:00	Registration, lunch and networking
12:40	13:00	<i>Briefing for Session 1 speakers, microphone runners, chair, moderator & committee - Auditorium</i>
13:00	13:15	Welcome Scientific Programme Committee: Petter Brodin, Imperial College, UK/Karolinska Institutet, Sweden Evanna Mills, Dana-Farber Cancer Institute/Harvard Medical School, USA Vanessa Sancho-Shimizu, Imperial College, UK David Thomas, University of Cambridge, UK
13:15	14:45	Session 1: Genes to function <i>Chair: David Thomas, University of Cambridge, UK</i> <i>Moderator: Petter Brodin, Imperial College, UK/Karolinska Institutet, Sweden</i>
13:15	13:45	Genetic Architecture of Inborn Errors of Immunity Dusan Bogunovic, Icahn School of Medicine at Mount Sinai, USA
13:45	14:15	Predicting immunogenicity using human tonsil organoids Lisa Wagar, University of California, Irvine, USA
14:15	14:30	Gain-of-function human UNC93B1 variants cause systemic lupus erythematosus and chilblain lupus <i>Yanick Crow, University of Edinburgh, UK</i>
14:30	14:45	ETS2 is a central regulator of inflammatory responses in primary human macrophages <i>Christina Stankey, The Francis Crick Institute, UK</i>
14:45	15:30	Refreshment break and networking
15:15	15:30	<i>Briefing for Session 2 speakers, chair & moderator - Auditorium</i>
15:30	17:00	Session 2: Human immune variation <i>Chair: Vanessa Sancho-Shimizu, Imperial College, UK</i> <i>Moderator: Evanna Mills, Dana-Farber Cancer Institute/Harvard Medical School, USA</i>
15:30	16:00	Genetic and environmental drivers of human immune responses to viruses (Virtual) Lluís Quintana-Murci, Institut Pasteur/College de France, France
16:00	16:30	Epigenetic regulation: at the apex of innate immune memory Musa Mhlanga, Radboud University, The Netherlands
16:30	16:45	A single cell functional genomics dataset from a multi-ancestry cohort of systemic lupus erythematosus patients <i>Catherine Sutherland, Wellcome Sanger Institute, UK</i>
16:45	17:00	Linking innate-immune variation in health and sepsis through gene expression and epigenetics <i>Justin Whalley, Rosalind Franklin University of Medicine and Science, USA</i>
17:00	17:20	Poster pitch talks for odd number posters <i>Chair: Evanna Mills, Dana-Farber Cancer Institute/Harvard Medical School, USA</i>
17:20	17:35	Sponsored talk by Pixelgen Technologies <i>Chair: Evanna Mills, Dana-Farber Cancer Institute/Harvard Medical School, USA</i> Spatial distribution of surface proteins in single T cells by molecular pixelation <i>Rikard Forlin, Pixelgen Technologies</i>
17:35	18:45	Poster session 1 - odd number posters
18:40	20:40	Dinner
18:40		Bar open (card payments only)
Thursday 23 May 2024		
07:30	09:00	Breakfast

09:15	09:30	Briefing for Session 3 speakers, chair & moderator - Auditorium
09:30	11:00	Session 3: Human immune responses to infection Chair: Petter Brodin, Imperial College, UK/Karolinska Institutet, Sweden Moderator: Vanessa Sancho-Shimizu, Imperial College, UK
09:30	10:00	Genetic and immunological determinants of life-threatening infection at the extremes of life Alessandro Borghesi, Policlinico San Matteo, Italy
10:00	10:30	Human STAT2 deficiency underlies inflammation and viral infection Isabelle Meys, KU Leuven, Belgium
10:30	10:45	Rhinovirus infection of airway epithelial cells uncovers the non-ciliated subset as a likely driver of genetic susceptibility to childhood-onset asthma Maria Gutierrez-Arcelus, Boston Children's Hospital, USA
10:45	11:00	Spatially resolved single-cell atlas of the lung in fatal Covid-19 in an African population reveals a distinct cellular signature and an interferon gamma dominated response Christopher Moxon, University of Glasgow, UK
11:00	11:45	Refreshment break and networking
11:30	11:45	Briefing for Session 4 speakers, chair & moderator - Auditorium
11:45	13:15	Session 4: Immunometabolism Chair: Vanessa Sancho-Shimizu, Imperial College, UK Moderator: David Thomas, University of Cambridge, UK
11:45	12:15	Macrophage-derived itaconate is a negative regulator of adaptive thermogenesis Evanna Mills, Dana-Farber Cancer Institute/Harvard Medical School, USA
12:15	12:45	A break in mitochondrial endosymbiosis as a basis for inflammatory diseases Luke O'Neill, Trinity College Dublin, Ireland
12:45	13:00	Mothers' own milk normalize immune system development in extremely preterm babies Ziyang Tan, Karolinska Institutet, Sweden
13:00	14:30	Lunch and networking
14:15	14:30	Briefing for Session 5 speakers, chair & moderator - Auditorium
14:30	16:00	Session 5: Age and sex-differences in human immunity Chair: Vanessa Sancho-Shimizu, Imperial College, UK Moderator: Evanna Mills, Dana-Farber Cancer Institute/Harvard Medical School, USA
14:30	15:00	Sex differences in human immunity Petter Brodin, Imperial College, UK/Karolinska Institutet, Sweden
15:00	15:30	Searching for Innate Immune Mechanisms that Mediate Resistance to Viral Infection in Humans Cliona O'Farrelly, Trinity College Dublin, Ireland
15:30	15:45	A single-cell perspective on age and sex effects on immune response to viral infection Marwan Sharawy, Pasteur institute, France
15:45	16:00	Biological sex impacts immune cell proportions and epigenetic profiles in the developing pediatric immune system Karlie Edwards, University of British Columbia (BCCHR), Canada
16:00	16:45	Refreshment break and networking
16:45	17:15	Editors panel Chair: Petter Brodin, Imperial College, UK/Karolinska Institutet, Sweden Moderator: Vanessa Sancho-Shimizu, Imperial College, UK Confirmed Panel Members Sri Narasimhan, Cell Press, USA Kirsty Minton, Springer Nature, UK
17:15	17:35	Poster pitch talks for even number posters Chair: Petter Brodin, Imperial College, UK/Karolinska Institutet, Sweden
17:35	18:35	Poster session 2 - even number posters
18:35	20:00	Dinner
18:35		Bar open (card payments only)

Friday 24 May 2024

07:30	09:00	Breakfast
09:15	09:30	Briefing for Session 6 speakers, chair & moderator - Auditorium
09:30	11:00	Session 6: Immune system and physiology
		<i>Chair: Evanna Mills, Dana-Farber Cancer Institute/Harvard Medical School, USA</i> <i>Moderator: David Thomas, University of Cambridge, UK</i>
09:30	10:00	Why is exercise medicine? Role of exercise extracellular vesicles in prevention of disease Mark Febbraio, Monash University, Australia
10:00	10:30	Innate and adaptive cellular immunology in psychiatry: insights from genetic association studies Mary-Ellen Lynall, University of Cambridge, UK
10:30	10:45	A multiomics atlas of fetal bone marrow to inform B-cell differentiation in vitro <i>Roser Vilarrasa-Blasi, Wellcome Sanger Institute, UK</i>
10:45	11:00	A vascular-associated fibroblastic cell controls pancreatic islet immunity <i>Luc Teyton, Scripps Research, USA</i>
11:00	11:30	Refreshment break and networking
11:15	11:30	Briefing for session 7, chair, moderator & committee - Auditorium
11:30	13:00	Session 7: Inborn errors of immunity
		<i>Chair: David Thomas, University of Cambridge, UK</i> <i>Moderator: Petter Brodin, Imperial College, UK/Karolinska Institutet, Sweden</i>
11:30	12:00	Genetic studies of inborn errors of immunity in a highly consanguineous population Imen Ben-Mustapha, Institut Pasteur in Tunis, Tunisia
12:00	12:30	Rare coding variants unravel the pathogenesis of human lupus Carola Vinuesa, Francis Crick Institute, UK
12:30	12:45	Leveraging pleiotropy to interrogate the common variant architecture of the most common inborn error of immunity <i>Thomas Willis, MRC Biostatistics Unit, UK</i>
12:45	13:00	DEF6 promotes canonical CD56dim NK cell survival and function <i>Lars Gerullat, Karolinska Institute, Sweden</i>
13:00	13:10	Closing remarks and prize presentation
		Scientific Programme Committee: Petter Brodin, Imperial College, UK/Karolinska Institutet, Sweden Evanna Mills, Dana-Farber Cancer Institute/Harvard Medical School, USA Vanessa Sancho-Shimizu, Imperial College, UK David Thomas, University of Cambridge, UK
13:10	14:00	Lunch and departures
14:00		Coach departures for Stansted and Heathrow airports
14:10		Coach departures for Cambridge train station and city centre