

**Hybrid Conference Programme**

Start (GMT)	Finish (GMT)	Presenter details
<b>Wednesday 13 May 2026</b>		
<b>12:30</b>	<b>13:30</b>	<b>Registration, lunch and networking</b>
13:15		Briefing for Session 1 speakers, microphone runners, chair, moderator & committee - Rosalind Franklin Pavilion
<b>13:30</b>	<b>13:40</b>	<b>Welcome and introductions</b>
		<b>Wellcome Connecting Science:</b> Nagehan Ramazanoglu Bahadir, Wellcome Connecting Science, UK <b>Scientific programme committee:</b> <a href="#">Petter Brodin, Imperial College London, UK / Karolinska Institute, Sweden</a> <a href="#">Carolina Lucas, Yale University, USA</a> <a href="#">Vanessa Sancho-Shimizu, Imperial College London, UK</a> <a href="#">David Thomas, University of Cambridge, UK</a>
<b>13:40</b>	<b>15:10</b>	<b>Session 1: Immunology and physiology</b>
		Chair: David Thomas, University of Cambridge, UK Moderator: Dearbhla Murphy, Trinity College Dublin, Ireland
13:40	14:10	Outside the brain: how glial cells orchestrate tissue immunity <a href="#">Franze Progalzky, University of Oxford, UK</a>
14:10	14:40	Physics of immune cells as biomarkers of their fitness <a href="#">Erdinc Sezgin, Karolinska Institutet, Sweden</a>
14:40	14:55	A Crucial Role for Thyroid Hormone Signalling in Immunity Emily Thomas, University of Cambridge, UK
14:55	15:10	Mapping the plasma proteomic architecture of systemic lupus erythematosus Geoffrey Ho Duen Leung, Imperial College London, UK
15:10	15:40	Refreshment break and networking
15:25		Briefing for session 2 speakers, sponsored talk, chair & moderator - Rosalind Franklin Pavilion
<b>15:40</b>	<b>17:10</b>	<b>Session 2: Genes to function</b>
		Chair: Anne Puel, French Institute of Health and Medical Research (Inserm), France Moderator: Dearbhla Murphy, Trinity College Dublin, Ireland
15:40	16:10	Scalable mapping of variant effects in inborn errors of immunity <a href="#">Benjamin Izar, Columbia University, USA</a>
16:10	16:40	JAK2 in Infection: Linking Genetic Signal to Immune Function <a href="#">Vanessa Sancho-Shimizu, Imperial College London, UK</a>
16:40	16:55	Chromosomal Instability Preserves Antigen Presentation While Reshaping Adaptive Immune Architecture Eileen Parkes, University of Oxford, UK
16:55	17:10	Optimization and Harmonization of Single-Cell Omics Applications for Clinical Use in Decentralized Multi-Center Studies Fleur Anne Peters, German Centre for Neurodegenerative Disease (DZNE), Germany
<b>17:10</b>	<b>17:25</b>	<b>Sponsored talk</b>
		Chair: Anne Puel, French Institute of Health and Medical Research (Inserm), France Moderator: Dearbhla Murphy, Trinity College Dublin, Ireland How cell surface protein organisation changes everything: Decoding immune cell function through single-cell protein interactomics Peter Djali, Business Development Manager, Pixelgen Technologies
17:25		Dinner
17:25		Bar open (card payments only)

**Thursday 14 May 2026**

09:15	Briefing for Session 3 speakers, chair & moderator - Rosalind Franklin Pavilion	
<b>09:30</b>	<b>11:00</b>	<b>Session 3: Human immune variation</b>
		<i>Chair: David Thomas, University of Cambridge, UK Moderator: Dearbhla Murphy, Trinity College Dublin, Ireland</i>
09:30	10:00	Rare TNFAIP3 hypomorphic variants are a massively underestimated driver of human inflammatory disease <a href="#">Daniella Schwartz, University of Pittsburgh, USA</a>
10:00	10:30	Te Whare Arai Mate: Immuno-genetic Landscape of Pacific Peoples in Aotearoa NZ <a href="#">Chris Pul'uvea, Auckland University of Technology, New Zealand</a>
10:30	10:45	Archaea as key drivers of human mucosal T cell responses <i>Paul Klenerman, University of Oxford, UK</i>
10:45	11:00	Single-nuclei multiomics reveal heterogeneity of dendritic cell activation trajectories in response to diverse nucleic acid stimuli <i>Marie Bourdon, LMU Munich, Germany</i>
11:00	11:45	Refreshment break and networking
11:30	Briefing for session 4 speakers, chair & moderator - Rosalind Franklin Pavilion	
<b>11:45</b>	<b>13:15</b>	<b>Session 4: Human immune responses to infection</b>
		<i>Chair: Vanessa Sancho-Shimizu, Imperial College London, UK Moderator: Phumrapee Boonklang, Wellcome Sanger Institute, UK</i>
11:45	12:15	Regulation of the germinal center B cell response to vaccination <a href="#">Ali Ellebedy, Washington University St. Louis, USA</a>
12:15	12:45	Novel Inborn Errors of the alternative NF-κB pathway <a href="#">Anne Puel, French Institute of Health and Medical Research (Inserm), France</a>
12:45	13:00	Differential TLR7/8 responses impact mRNA vaccine-induced SARS-CoV-2 neutralising immunity <i>Charlotte Chaloner, The Francis Crick Institute, UK</i>
13:00	13:15	Temporal transcriptomic trajectories of childhood sepsis <i>Claire Dunican, Imperial College London, UK</i>
13:15	14:30	Lunch and networking
14:15	Briefing for Session 5 speakers, sponsored talk, chair & moderator - Rosalind Franklin Pavilion	
<b>14:30</b>	<b>16:15</b>	<b>Session 5: Sex and age differences in immunology</b>
		<i>Chair: Petter Brodin, Imperial College London, UK / Karolinska Institute, Sweden Moderator: Phumrapee Boonklang, Wellcome Sanger Institute, UK</i>
14:30	15:00	The Immune System Across the Lifespan: Insights from Ageing Phenotypes <a href="#">Nollaig Bourke, Trinity College Dublin, Ireland</a>
15:00	15:30	Understanding the causes and consequences of immune variability <a href="#">Darragh Duffy, Institut Pasteur, France</a>
15:30	15:45	Heterogeneity of innate immunity in elderly individuals revealed upon vaccine challenge <i>Sophie Mueller, German Centre for Neurodegenerative Diseases, Germany</i>
15:45	16:00	Age-independent and targetable transcription factor networks regulating CD8+ T cell senescence in aging humans <i>Ricardo Martinez Zamudio, Robert Wood Johnson Medical School Rutgers University, USA</i>
16:00	16:45	Refreshment break and networking
<b>16:45</b>	<b>17:15</b>	<b>Poster pitch talks</b>
<b>17:15</b>	<b>17:45</b>	<b>Poster session 1 - odd number posters</b>
<b>17:45</b>	<b>18:15</b>	<b>Poster session 2 - even number posters</b>
18:15	Dinner	
18:15	Bar open (card payments only)	

**Friday 15 May 2026**

09:15 Briefing for Session 6 speakers, chair & moderator - Rosalind Franklin Pavilion

**09:30 11:00 Session 6: Biophysical and molecular regulation of immunity**

Chair: [Carolina Lucas, Yale University, USA](#)  
Moderator: [Anthony YKC Ng, University of Cambridge, UK](#)

- 09:30 10:00 From molecular immunology to global evolution: a giant leap across scales  
[Michael Lassig, University of Cologne, Germany](#)
- 10:00 10:30 A seeding reaction to colonizing microbes in human newborns  
[Petter Brodin, Imperial College London, UK / Karolinska Institute, Sweden](#)
- 10:30 10:45 Proteomic identification and functional characterization of micro- and nanoplastics particles (MNPs) interacting differentially with human blood proteins and immune cells  
[Hermann-Josef Thierse, German Federal Institute for Assessment](#)
- 10:45 11:00 PSYCHE (TMEM128) is a novel regulator of reactive oxygen species production  
[Priyanga Balendran, University of Cambridge, UK](#)

11:00 11:30 Refreshment break and networking

11:15 Briefing for Session 7 speakers, chair, moderator & committee - Rosalind Franklin Pavilion

**11:30 13:00 Session 7: Neglected health**

Chair: [Petter Brodin, Imperial College London, UK / Karolinska Institute, Sweden](#)  
Moderator: [Anthony YKC Ng, University of Cambridge, UK](#)

- 11:30 12:00 Serotype skewing and immune imprinting shape response to the tetravalent dengue virus Qdenga vaccine  
[Carolina Lucas, Yale University, USA](#)
- 12:00 12:30 Recreating a functional thymic microenvironment from stem cells  
[Roberta Ragazzini, Francis Crick Institute, UK](#)
- 12:30 12:45 Dynamic genetic regulation of the maternal immune system in 1,300 pregnancies  
[Sophie Hoffman, Wellcome Sanger Institute, UK](#)
- 12:45 13:00 Investigating the safety of monoclonal antibody therapeutics during pregnancy using drug target Mendelian randomization  
[Elizabeth Aiton, University of Bristol, UK](#)

**13:00 13:05 Closing Remarks**

**Scientific Programme Committee:**  
[Petter Brodin, Imperial College London, UK / Karolinska Institute, Sweden](#)  
[Carolina Lucas, Yale University, USA](#)  
[Vanessa Sancho-Shimizu, Imperial College London, UK](#)  
[David Thomas, University of Cambridge, UK](#)

13:05 13:45 Lunch and departures

13:45 Coach departures for Stansted and Heathrow airports

13:55 Coach departures for Cambridge train station and city centre