

**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>   |
|                              |              | <p><b>Wellcome Connecting Science:</b><br/>Nagehan Ramazanoglu Bahadir, Wellcome Connecting Science, UK</p> <p><b>Scientific programme committee:</b><br/><a href="#">Petter Brodin, Imperial College London, UK / Karolinska Institute, Sweden</a><br/><a href="#">Carolina Lucas, Yale University, USA</a><br/><a href="#">Vanessa Sancho-Shimizu, Imperial College London, UK</a><br/><a href="#">David Thomas, University of Cambridge, UK</a></p> |
| <b>13:40</b>                 | <b>15:10</b> | <b>Session 1: Immunology and physiology</b>  |
|                              |              | <p>Chair: David Thomas, University of Cambridge, UK<br/>Moderator: Dearbhla Murphy, Trinity College Dublin, Ireland</p>  |
| 13:40                        | 14:10        | Outside the brain: how glial cells orchestrate tissue immunity<br><a href="#">Franze Progalzky, University of Oxford, UK</a>   |
| 14:10                        | 14:40        | Physics of immune cells as biomarkers of their fitness<br><a href="#">Erdinc Sezgin, Karolinska Institutet, Sweden</a>   |
| 14:40                        | 14:55        | A Crucial Role for Thyroid Hormone Signalling in Immunity<br><a href="#">Emily Thomas, University of Cambridge, UK</a>   |
| 14:55                        | 15:10        | Mapping the plasma proteomic architecture of systemic lupus erythematosus<br><a href="#">Geoffrey Ho Duen, Imperial College London, UK</a>   |
| 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>  |
|                              |              | <p>Chair: Anne Puel, French Institute of Health and Medical Research (Inserm), France<br/>Moderator: Dearbhla Murphy, Trinity College Dublin, Ireland</p>  |
| 15:40                        | 16:10        | Scalable mapping of variant effects in inborn errors of immunity<br><a href="#">Benjamin Izar, Columbia University, USA</a>  |
| 16:10                        | 16:40        | JAK2 in Infection: Linking Genetic Signal to Immune Function<br><a href="#">Vanessa Sancho-Shimizu, Imperial College London, UK</a>  |
| 16:40                        | 16:55        | Chromosomal Instability Preserves Antigen Presentation While Reshaping Adaptive Immune Architecture<br><a href="#">Eileen Parkes, University of Oxford, UK</a>   |
| 16:55                        | 17:10        | Optimization and Harmonization of Single-Cell Omics Applications for Clinical Use in Decentralized Multi-Center Studies<br><a href="#">Fleur Anne Peters, German Centre for Neurodegenerative Disease (DZNE), Germany</a>  |
| <b>17:10</b>                 | <b>17:25</b> | <b>Sponsored talk</b>  |
|                              |              | <p>Chair: Anne Puel, French Institute of Health and Medical Research (Inserm), France<br/>Moderator: Dearbhla Murphy, Trinity College Dublin, Ireland</p> <p>How cell surface protein organisation changes everything: Decoding immune cell function through single-cell protein interactomics<br/><a href="#">Peter Djali, Business Development Manager, Pixelgen Technologies</a></p>  |
| 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<br/>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<br><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<br><a href="#">Chris Pulivuea, Auckland University of Technology, New Zealand</a>  |
| 10:30        | 10:45   | Archaea as key drivers of human mucosal T cell responses<br><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<br><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<br/>Moderator: Phumrapee Boonklang, Wellcome Sanger Institute, UK</i>   |
| 11:45        | 12:15   | Regulation of the germinal center B cell response to vaccination<br><a href="#">Ali Ellebedy, Washington University St. Louis, USA</a>  |
| 12:15        | 12:45   | Novel Inborn Errors of the alternative NF-κB pathway<br><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<br><i>Charlotte Chaloner, The Francis Crick Institute, UK</i>  |
| 13:00        | 13:15   | Temporal transcriptomic trajectories of childhood sepsis<br><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<br/>Moderator: Phumrapee Boonklang, Wellcome Sanger Institute, UK</i>   |
| 14:30        | 15:00   | The Immune System Across the Lifespan: Insights from Ageing Phenotypes<br><a href="#">Nollaig Bourke, Trinity College Dublin, Ireland</a>   |
| 15:00        | 15:30   | Understanding the causes and consequences of immune variability<br><a href="#">Darragh Duffy, Institut Pasteur, France</a>  |
| 15:30        | 15:45   | Heterogeneity of innate immunity in elderly individuals revealed upon vaccine challenge<br><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<br><i>Ricardo Martinez Zamudio, Robert Wood Johnson Medical School Rutgers University, USA</i> |
| 16:00        | 16:15   | TB and the male sex bias: investigating the effect of sex hormones on mycobacterial killing in vitro - VIRTUAL<br><i>Raadiyah Mathee, Stellenbosch University, South Africa</i>                               |
| 16:15        | 17:00   | Refreshment break and networking  |
| <b>17:00</b> | <b>17:30</b>  | <b>Poster pitch talks</b>   |
| <b>17:30</b> | <b>18:00</b>  | <b>Poster session 1 - odd number posters</b>  |
| <b>18:00</b> | <b>18:30</b>  | <b>Poster session 2 - even number posters</b>   |
| 18:30        | Dinner  |   |
| 18:30        | 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: Biophysics and biomechanics of immune response**

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 Identification and targeting mechanism regulating ferroptosis resistance  
[Jose Pedro Freidmann Angeli, University of Wurzburg, Germany](#)
- 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 Protective immunity to clinical malaria is modified by the genetic diversity of *P. falciparum* antigens  
[Myo Naung, Deakin University/Burnet Institute, Australia](#)

**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