



Programme

WIMM Day

20 June 2024

Saïd Business School



Medical
Research
Council





- 8.45 Arrival & Refreshments
- 9.15 Introduction by MRC WIMM Director, KJ Patel**
- 9.25 EDI at the MRC WIMM, Anne Goriely
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Session 1 – Paediatrics & Haematology Talks

Chair: Adam Mead

- 9.40 **Anna Rose | Paediatrics**
Beyond the Goldilocks zone: developing new treatments for ALT-positive paediatric cancers
- 10.00 **David Cruz Hernandez | Vyas Group**
Developmental niche regulated neonatal leukaemia proliferation
- 10.20 **Lauren Murphy | Psaila Group**
Platelets sequester cell free DNA, capturing tumour-derived and free fetal DNA
- 10.40 **Holly Russell | Patel Group**
Blood clearance of a genotoxic metabolite protects the brain
- 11.00 Coffee & Posters**
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Session 2 – Ita Askonas Medal Finalists

Chair: James Davies

- 11.45 **Elizabeth Horton | Rehwinkel Group**
IFI44: linking interferon signalling and red blood cell homeostasis?
- 12.00 **Isaac Walton | Wilkie Group**
Unravelling the pathogenesis of ZIC1-associated craniosynostosis with clinically relevant mouse modelling
- 12.15 **Joseph Hamley | Davies Group**
Investigating non-coding GWAS variants using high-resolution 3C
- 12.30 Lunch & Posters**
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Session 3 – Immunology Talks

Chair: Alison Simmons

14.00 Jan Rehwinkel | Rehwinkel Group

MDA5 guards against infection by surveying cellular RNA homeostasis

14.20 João Ferreira Fernandes | Davis Group

Cryo-EM structure of a fully assembled $\gamma\delta$ TCR complex

14.40 Hal Drakesmith | Drakesmith Group

T-cells and meteorites: how iron deficiency regulates cellular metabolism

15.00 Coffee & Posters

Session 4 – Oncology & Innovation Talks

Chair: KJ Patel

15.30 Benjamin Fairfax | Oncology

Identification of a novel environmental factor that interacts with checkpoint immunotherapy to modulate treatment outcomes

15.50 Jim Hughes | Nucleome Therapeutics

Translating the Non-Coding Genome

16.10 Beth Psaila & Adam Mead | Alethiomics

Alethiomics – from single cells to clinically actionable targets

10th Weatherall Lecture

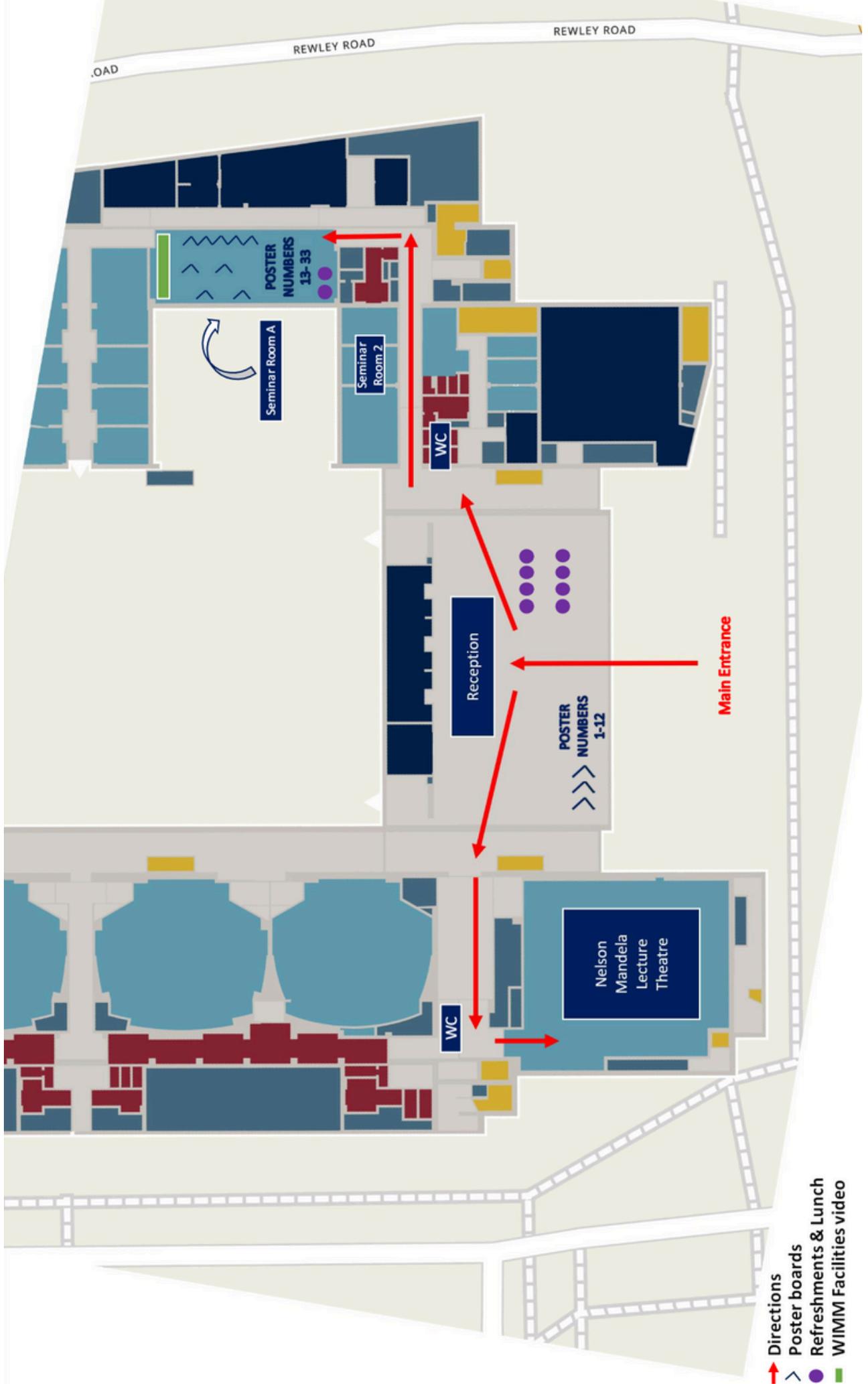
16.30 Professor Jason Chin FMedSci FRS, MRC-LMB

Reprogramming the Genetic Code

17.15 Closing remarks, KJ Patel

McMichael Medal, Ita Askonas Medal, Public Engagement & Poster Prize Announcements

17.30 Drinks



- Directions
- Poster boards
- Refreshments & Lunch
- WIMM Facilities video