



# Programme **WIMM Day**

20 June 2024

Saïd Business School



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**

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## 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**

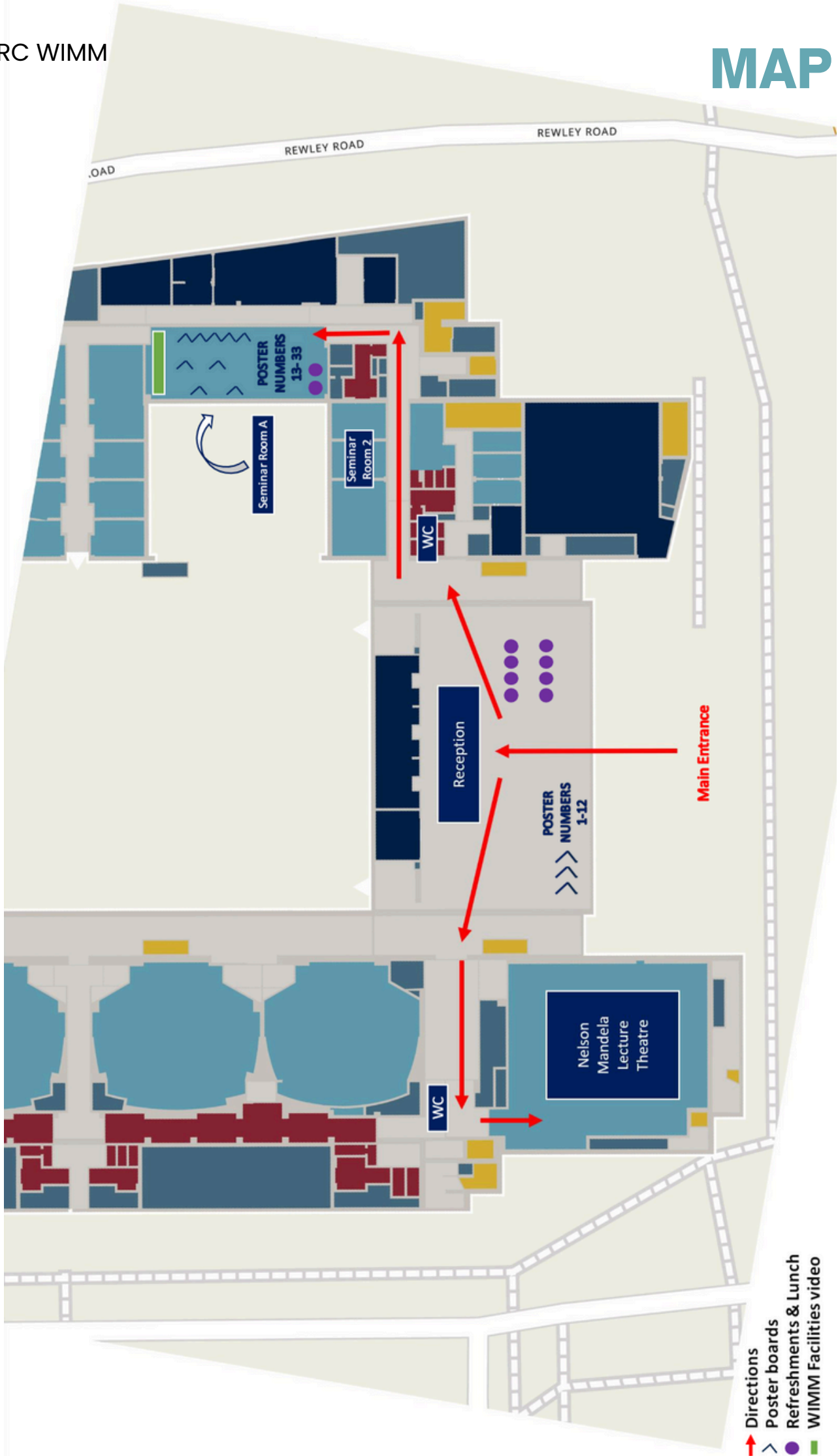
*Reprogramming the Genetic Code*

**17.15 Closing remarks, KJ Patel**

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

**17.30 Drinks**

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